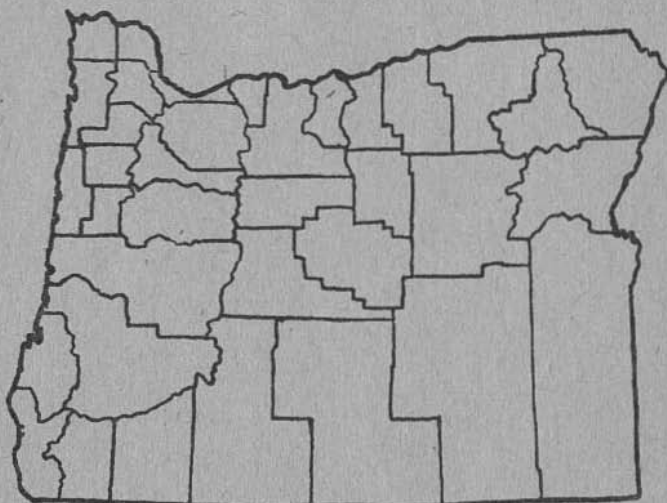




CORRESPONDENCE STUDY

GENERAL EXTENSION DIVISION

1947-48



"The State is the Campus"

Oregon State System of Higher Education

University of Oregon



Oregon State College

Oregon College of Education

Southern Oregon College of Education

Eastern Oregon College of Education

Oregon State System of Higher Education

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

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

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

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

OREGON STATE SYSTEM
OF HIGHER EDUCATION

CORRESPONDENCE STUDY

Announcements for
1947-48

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GENERAL EXTENSION DIVISION
Oregon State System of Higher Education
Eugene, Oregon

State Board of Higher Education

	Term Expires
CHERYL S. MACNAUGHTON, Portland.....	1948
HERMAN OLIVER, John Day.....	1949
R. E. KLEINSORGE, Silverton.....	1950
BEATRICE WALTON SACKETT, Coos Bay.....	1951
LEIF S. FINSETH, Dallas.....	1952
PHIL METSCHAN, Portland.....	1953
A. R. WATZEK, Portland.....	1954
EDGAR W. SMITH, Portland.....	1955
WILLARD L. MARKS, Albany.....	1956

OFFICERS

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EXECUTIVE COMMITTEE

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BEATRICE WALTON SACKETT
EDGAR W. SMITH

PAUL C. PACKER, 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

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President, University of Oregon

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Dean, University of Oregon Medical
School.

ELMO NALL STEVENSON, Ed.D.
President, Southern Oregon College
of Education

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

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President, Oregon State College

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President, Oregon College of
Education

ROBEN JOHN MAASKE, Ph.D.
President, Eastern Oregon College of
Education

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RICHARD LYLE COLLINS, M.A., C.P.A. Statistician and Budget Officer
LYLE MORGAN NELSON, B.A.Director of Information
ISABEL DAVIS, B.A. Administrative Assistant

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HAROLD ROWLEY, B.S. Chief Accountant
WILLIAM RALPH STOVALL Assistant Accountant and Property Custodian
THOMAS FRANCIS BROOKS Cost Accountant

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CHARLES ABNER HOWARD, M.A., LL.D...Director of Elementary Teacher Training

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HENRY EUGENE STEVENS, D.Ed.....Assistant Director of General Extension
ALFRED POWERS, A.B.....Dean and Director of Creative Writing and Publishing

LIBRARIES

WILLIAM HUGH CARLSON, M.A.....Director of Libraries
ELZIE VANCE HERBERT.....Head of Orders Department
MARIE HULL JACKSON, B.A., B.S. in L.S.....Cataloger for Union Catalog

HIGH SCHOOL RELATIONS

DANIEL VANDERSOLL POLING, M.S., LL.D.....High School Visitor

* Deceased Apr. 15, 1947.

Correspondence Study Oregon State System of Higher Education

Faculty

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WILLIAM GILBERT BEATTIE, B.A., Assistant Director Emeritus of General Extension Division;
Professor Emeritus of Education.
MOZELLE HAIR, B.A., Head of Correspondence Study, General Extension Division; Assistant
Professor of Sociology.
HENRY E. STEVENS, Ed.D., Assistant Director of General Extension Division; Professor of
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WINFRED MCKENZIE ATWOOD, Ph.D., Professor of Plant Physiology, State College.
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HAROLD WRIGHT BERNARD, Ph.D., Assistant Professor of Education, University.
FRANK GEES BLACK, Ph.D., Associate Professor of English, University.
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VERA HASKELL BRANDON, Ph.D., Professor of Child Development, State College.
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DAN ELBERT CLARK, Ph.D., Professor of History; Head of Department, University.
NEWEL HOWLAND COMISH, Ph.D., Professor of Business Administration, University.
CHRISTINA A. CRANE, Ph.D., Assistant Professor of Romance Languages, University.
CALVIN CRUMBAKER, Ph.D., Professor of Economics, University.
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ALICE HENSON ERNST, M.A., Associate Professor of English, University.
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DOROTHY GATTON, M.A., Associate Professor of Clothing, Textiles, and Related Arts, State
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KENNETH S. GHENT, Ph.D., Assistant Professor of Mathematics, University.
JAMES HENRY GILBERT, Ph.D., Dean of the College of Liberal Arts; Professor of Economics;
Head of Department, University.

HELEN M. GILKEY, Ph.D., Associate Professor of Botany, State College.
ROBERT D. HORN, Ph.D., Professor of English, University.
RALPH RUSKIN HUESTIS, Ph.D., Professor of Zoology; Curator of Vertebrate Collections,
University.

CARL LEO HUFFAKER, Ph.D., Professor of Education, University.
GEORGE S. JETTE, B.L.A., Instructor in Landscape Architecture, University.
JAMES RALPH JEWELL, Ph.D., LL.D., Dean of the School of Education; Professor of Education,
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MAUDE IRVINE KERNS, B.A., B.S., Associate Professor of Art, University.
EDWARD D. KITTOE, M.A., Instructor in English, University.
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EDMUND PHILLIP KREMER, J.U.D., Professor of Germanic Languages and Literatures, Uni-
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omist, Agricultural Experiment Station, State College.
EDNA LANDROS, Ph.D., Assistant Professor of Latin and Greek; Head of Department of Classics,
University.

MIRIAM MACPHERSON, M.A., Instructor in Foods and Nutrition, State College.
WALLACE H. MARTIN, M.S., Professor of Mechanical Engineering, State College.
AVA BERTHA MILAM, M.A., Dean of the School of Home Economics, State College.
HENRIETTA MORRIS, ScD., Associate Professor of Hygiene, State College.
VICTOR PIERPONT MORRIS, Ph.D., Dean of the School of Business Administration, University.

ANDREW FLEMING MOURSUND, Ph.D., Professor of Mathematics; Head of Department, University.

ELEANOR SPIKE OEHLER, M.S., Associate Professor of Household Administration; Director of Home Management Houses, State College.

JACK R. PARSONS, M.S., Assistant Professor of Sociology, University.

JOAN PATTERSON, B.Arch., Associate Professor of Clothing, Textiles, and Related Arts, State College.

MARY HALLOWELL PERKINS, M.A., Professor of English, University.

SARA WATT PRENTISS, M.A., Professor of Child Development; Head of Department of Household Administration, State College.

BERNICE MARGUERITE RISE, A.B., B.S. in L.S., Assistant Professor of Library Training; Circulation Librarian, University.

BENJAMIN FRANKLIN RUFFNER, Aero.E., M.S., Professor of Aeronautical Engineering; Coordinator of CAA War Training Service, State College.

WALDO SCHUMACHER, Ph.D., Professor of Political Science, University.

JUNE HAIG SIMONS, B.A., Instructor in English, University.

IDA MAE SMITH, M.A., Assistant Professor of Education; Supervisor of Primary Education, Oregon College of Education.

WARREN DUPRE SMITH, Ph.D., Professor of Geography and Geology; Head of Department of Geology and Geography; Curator, Condon Museum of Geology, University.

ARTHUR BENJAMIN STILLMAN, M.B.A., Professor of Business Administration, University.

JAMES C. STOVALL, M.A., Assistant Professor of Geography, University.

HOWARD RICE TAYLOR, Ph.D., Acting Dean of the Graduate School; Professor of Psychology; Head of Department, University.

W. F. GOODWIN THACHER, M.A., Professor of English, University.

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

GEORGE STANLEY TURNBULL, M.A., Dean of the School of Journalism, University.

EDWARD VIETTI, M.S., Assistant Professor of Secretarial Science, State College.

HAROLD ROTH VINYARD, Ph.D., Assistant Professor of Physics, State College.

ERNEST WILLIAM WARRINGTON, M.A., Professor of Philosophy; Professor of Religion; Head of Department, State College.

JOSEPHINE WASSON, M.A., Instructor in Art, State College.

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

JESSAMINE CHAPMAN WILLIAMS, M.A., Professor of Foods and Nutrition; Head of Department, State College.

LEAVITT OLDS WRIGHT, Ph.D., Professor of Romance Languages, University.

CHARLES THEODORE YERIAN, Ph.D., Professor of Secretarial Science; Head of Department, State College.

HARRY BARCLAY YOCOM, Ph.D., Professor Emeritus of Zoology, University.

INSTRUCTORS IN CORRESPONDENCE STUDY

ABBY ADAMS, M.A., Latin and High School Spanish.

MYRNA BARRETT, M.A., Citizenship.

C. A. COULTER, Mechanical Drawing, Stresses and Elementary Structural Design.

PAUL W. DAVIS, Civil Aeronautics, Physics.

CLARENCE DIEBEL, M.A., Physics, Aeronautics.

EDGAR A. GOODNOUGH, M.A., History.

ROBERT LYON, M.A., Economics, Social Problems.

MRS. WILLIAM MATSLER, B.L.A., Landscape Design.

LULU V. MOURSUND, M.A., Mathematics.

LUCILE G. PARSONS, A.B., English.

J. HUGH PRUETT, B.A., Astronomy.

GERTRUDE SEARS, M.A., English.

FRANK SHORT, Advertising.

RODNEY SHULTIS, B.S., Biology.

LORENE TAYLOR, B.A., Accounting.

L. E. TOMLINSON, M.Ed., Education.

E. LENORE TROMP, M.A., Library Methods.

JACK WILKINSON, Drawing and Painting.

MARION H. WRIGHT, B.A., Spanish.

PATRICIA YOUNG, B.A., Psychology.

General Information

THE Oregon State System of Higher Education makes available a wide range of instruction through correspondence courses to persons who would like to study but who cannot attend an institution of learning. Correspondence courses are designed for those wishing to earn credits toward an academic degree, toward graduation from a teachers' college or from high school, or toward the completion of college entrance requirements, and for those who wish to pursue studies under competent direction, without concern for academic credits or requirements.

A correspondence course provides carefully organized instruction by means of lesson outlines, prepared by members of the faculties of the State System. These outlines take the place of the lectures and class exercises given to students in residence. Using these lesson outlines as guides, the student studies textbooks and reference materials in the courses which he selects, and prepares written papers and reports, which he mails to the General Extension Division for correction and comment by instructors. The corrected reports are returned to the student.

No entrance examinations are required; any person of sufficient maturity and preparation to carry courses successfully may enroll. The General Extension Division reserves the right to advise students and help them to select the courses best suited to their preparation and needs. Students wishing credit must meet regular academic requirements.

SPECIFIC ADVANTAGES OF CORRESPONDENCE STUDY

Correspondence study is not recommended as a substitute for resident study at an educational institution. Nevertheless, instruction by correspondence has many advantages for those who cannot avail themselves of the opportunities offered by actual presence on a campus. Some of these advantages may be enumerated as follows:

- (1) Work may be done at any time.
- (2) Studying may be done at a time and under conditions of the student's own choosing, without in any way interfering with his breadwinning activities.
- (3) The student is encouraged to do original thinking in the preparation of his lesson reports. Because he does the work alone, for the most part, there is not the temptation to be guided in his thinking by his classmates. This method of study thus develops the student's resourcefulness and independence.
- (4) Progress toward the completion of courses may be as rapid as the ability and application of the student will permit. Thus the student who grasps ideas quickly is not held back by less brilliant classmates, while, on the other hand, the slower and more methodical student is enabled to set his own rate of study.
- (5) Credits earned in correspondence study may be counted toward a college or university degree, toward graduation from a college of education, or toward graduation from high school.

(6) Correspondence study is inexpensive, both because the fees are small and because the work can be done at home.

ELIGIBILITY FOR CORRESPONDENCE STUDY

The correspondence courses offered by the General Extension Division are intended primarily for residents of the state of Oregon. Special fees are required of nonresident students. (See "Fees," page 9.)

Correspondence courses and work in residence may not be carried at the same time. No student is permitted to carry correspondence work while in actual attendance at any college or high school, except by special permission of the institution in which he is a resident student and by consultation with the General Extension Division. All such arrangements must be made through the head of correspondence study in the General Extension Division.

Correspondence students who register for resident work in an educational institution before completing their course must confer with the General Extension Division to secure an extension of time on the correspondence course.

Special rules govern the carrying of work by correspondence during the short vacation periods between terms. In general, students are not permitted to submit correspondence lessons unless the vacation period is one week or longer. Any resident student desiring to do correspondence work during the Christmas or spring vacation must first consult the General Extension Division in regard to procedure. These regulations apply to students in residence at any educational institution.

GENERAL RULES GOVERNING CORRESPONDENCE STUDY

Selection and Application. The student should select his courses with care. If taken for credit to meet a requirement, the course should be the best course for the purpose. Advice in choosing courses should be secured from the head of correspondence study. An application blank will be found on the last page of this catalog. The student should fill out this application form, giving all the information requested, and return it to the General Extension Division with the fee.

Lessons. If the student's application is accepted, the first lessons are sent to him at once with directions for the preparation of written reports which he is to send to the Correspondence Study Department for criticism by the instructor. Lesson reports should be sent in one at a time as soon as completed, in order that the student may have the benefit of criticisms and suggestions in the preparation of subsequent lessons.

Criticism of Reports. Students are asked to accept criticism in the helpful spirit in which it is intended, since it is only in this way that an instructor can guide the student in the correction of his mistakes and lead him to do constructive work. At no time should a student permit himself to pass by portions of lessons that he does not understand. Questions should be asked freely whenever there is any difficulty.

Time Required. Students working for credit may not complete more than 8 term hours during any period of three months, if they are regularly employed or are housewives who are able to give only spare time to study. Those

giving their full time to correspondence study, upon satisfactory evidence to the General Extension Division that this is the case, may complete a maximum of 12 term hours during any period of twelve weeks. Reports should be distributed evenly throughout the period of study. The instructor may refuse to accept the reports of a student who hurries his work unduly.

Length of Course. Where practicable, courses are outlined in units of sixteen lessons each. Some subjects are treated in a series of units so arranged that students who do not have the time or do not care for all of the units may select those they prefer. A number of courses, however, have twenty-four and thirty-two assignments, and a few have forty-eight.

Number of Courses. A student should not register for more than one or two courses at one time. Those who are not familiar with correspondence methods and those who have only spare time for study should never attempt more than one course at a time. When a long course is arranged in more than one section, a student should enroll for one section at a time.

Texts. Students should if possible secure their own copies of required texts. Libraries may be relied upon for reference material and supplementary reading, but cannot be expected to supply texts. Upon request, the General Extension Division will furnish information regarding texts for any course.

Supplies. All supplies required in the preparation of written assignments are furnished by the student. The student also pays postage on papers sent to the General Extension Division. The Extension Division pays return postage on lesson papers.

EXPENSES

Fees. The amount of the fee for residents of Oregon is stated after the description of each course in this catalog. A student whose home is not in Oregon, or one who is required to pay a "nonresident fee" at an educational institution in this state, pays \$5.00 in addition to the fee for resident students; when a course is arranged in two or more sections, \$5.00 must be added to the resident fee for each section. This nonresident fee is waived for men and women in active service in any branch of the armed forces.

When Payable. Fees are payable in advance and should accompany the application for courses. Money should be sent in the form of postal order, express order, or bank draft made payable to the General Extension Division.

Fee Refund. *Fees will be returned to the student if his application is not accepted. After a student has been registered in a course, press of other work or unwillingness to carry on the course will not be considered adequate cause for his withdrawal. Serious illness that may prevent completion of the course within the registration period, or enrollment in a similar course as part of a resident program in an educational institution, will be regarded as sufficient reason for a request for a refund of fees, provided the request is made to the General Extension Division within three months of the date of registration. When refunds are made, \$2.00 of the fee for each course will be retained to cover the cost of registration. No course fee will be refunded after a student has submitted lesson reports.*

Fees will be refunded to persons in military service (except those registered through the U.S.A.F.I.), provided no more than one-half of the lessons in the course have been completed and that the request for a refund is received

by the General Extension Division within three months of the date of registration. When such refunds are made, \$2.00 will be retained to cover cost of registration, and 50 cents for each lesson report that has been corrected.

Transfer Fee. A student may transfer from one course to another by the payment of \$1.00, in addition to any necessary adjustment in fees between the two courses, and 50 cents for each assignment completed in the original course. The date of expiration of the new course will be the same as the date of expiration of the original course (see RENEWAL FEES below).

Renewal Fee. One year from the end of the quarter in which he enrolls is allowed a student for the completion of a course. On application to the General Extension Division, extension of time may be granted equivalent to the time lost on a course by reason of serious illness or by attendance at an educational institution, provided application for such extension of time is made when active work is discontinued.

A course registration which has expired may be renewed for an additional year by the payment of a renewal fee of \$2.00. *A student will not be permitted more than two renewals on any one course or section of a course.*

REGISTRATION UNDER SPECIAL CONTRACTS

The General Extension Division has correspondence-study contracts with the Armed Forces Institute and the Veterans Administration. For information and instructions on enrollment under either of these contracts, write to the Correspondence Study Department, General Extension Division, Eugene, Oregon.

Armed Forces Institute. Under the U.S.A.F.I. contract, men and women in active military service in the Army, Navy, Marine Corps, and Coast Guard pay a course enrollment fee and cost of texts; the government pays the cost of instruction.

Veterans Administration. Under the Veterans Administration contract, any eligible veteran under Public Law 16 or 346 may be enrolled in correspondence courses. The Veterans Administration pays the cost of enrollment, texts, supplies, and instruction.

CREDIT FOR CORRESPONDENCE STUDY

Final Examinations. Final examinations must be taken in all correspondence courses for which the student desires credit; otherwise, examinations are optional. The General Extension Division strongly advises students to take final examinations in all courses in which they have completed the lessons satisfactorily. Often those who have no thought of using credit at the time courses are completed later find they need it.

To obtain credit in a course, the student must take the final examination within six weeks from the time work on the lessons is completed, unless special arrangements are made with the General Extension Division.

Supervision of Final Examinations. Final examinations must be supervised. They may be taken in the office of the General Extension Division, Eugene, in the Portland Center office, 207 Education Center Building, Portland, or under supervision approved by the Extension Division. Arrangements for the examination should be made some time before the date on which it is to be taken.

Undergraduate Credit.* Sixty term hours earned in correspondence courses is the maximum amount of credit that may be counted toward a bachelor's degree at the University of Oregon or Oregon State College. At the three Oregon Colleges of Education a maximum of 18 hours may be applied toward completion of the three-year curriculum, while the maximum that may be applied toward the four-year curriculum is 24 term hours.

Graduate Credit. No graduate credit is allowed for correspondence study.

College-Entrance Credit. Students who have college-entrance deficiencies may take correspondence courses to remove them. The high-school courses described on pages 43 to 49 of this catalog are intended for this purpose. Mature students may enroll in certain college courses for entrance credit; 9 term hours of college credit may be counted the equivalent of one entrance unit.

Nonmatriculated Students. Students who have not matriculated at an educational institution may have credit for courses recorded provisionally only. After matriculation requirements have been met, correspondence credit may be counted toward graduation, provided the course is approved for credit by the institution concerned.

Transfer of Credit. Credits earned in correspondence courses through the General Extension Division may be transferred to other institutions of higher education in the state. Transfer of credits may also be made between colleges and universities having membership in the National University Extension Association. The General Extension Division is a member of this association.

To prevent mistakes in the selection of correspondence courses, any student who expects to have credits transferred should, before his enrollment, obtain approval from the school to which the credits are to be transferred. He should also consult the head of correspondence study in the General Extension Division.

Requirements for Degrees. A student should consult the general catalog of the institution from which he expects to receive his degree for requirements before he plans his correspondence study program.

Grades. The quality of student work is measured by a system of grades and grade points. The grading system consists of: four passing grades, A, B, C, D; failure, F; incomplete, Inc. The grade of A denotes exceptional accomplishment; B, superior; C, average; D, inferior. Grade points are computed on the basis of 4 points for each term hour of A grade, 3 points for each term hour of B, 2 points for each term hour of C, 1 point for each term hour of D, and 0 points for each term hour of F. A mark of Inc is 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 (A, B, C, D, and F) are received. Grade points are computed on all work which the student does as an undergraduate (including transferred hours, correspondence study, and work validated by special examinations).

* A senior who is taking a correspondence course for credit toward a degree must complete the course not less than two weeks before the date of his graduation. The General Extension Division cannot assume responsibility for credit in a course that is not completed in accordance with this requirement.

DEFINITIONS

A **COURSE** is a subject, or an instructional subdivision of a subject, offered through a single term.

A **YEAR SEQUENCE** consists of three closely articulated courses extending through the three terms of the academic year.

A **CURRICULUM** is an organized program of study arranged to provide definite cultural or professional preparation.

A **TERM HOUR** represents three hours of the student's time each week for one term. This time may be assigned to work in classroom or laboratory or to outside preparation.

Enrollment in correspondence courses is not confined to terms. Students may register for courses at any time during the year.

ADMISSION TO FIRST-YEAR STANDING

The requirements for admission to first-year or freshman standing in the institutions of the State System conform to the following uniform entrance requirements adopted by all the institutions of higher education in Oregon:

Graduation from a standard high school, which in Oregon involves the completion of 16 units, 8 of which are required as follows: 3 units in English; 2 units in social science, comprising the state-adopted courses in United States history-civics and socio-economic problems; 1 unit in health and physical education; and 2 units selected from the field of natural science and mathematics or the field of foreign language. Two units in either natural science or mathematics or 1 unit in each of these subjects will be acceptable, but a minimum of 2 units in a single language will be required if a foreign language is selected.

Graduates from standard out-of-state high schools are required to present substantially the same distribution of units. Applicants who are not residents of Oregon may be held for additional requirements demonstrating superior ability. Evidence of acceptable scholastic preparation may consist of either (1) certificate of preparatory-school record, or (2) statement of standing on College Entrance Board examinations. Application for admission by certificate is made on the official form, *Application for Admission to Oregon Higher Institutions*, furnished to schools by the State Department of Education. The applicant's scholastic record must be certified by the principal or superintendent of his school.

Students seeking admission by examination should obtain information from the secretary of the College Entrance Examination Board, 431 West 117th Street, New York City.

ADMISSION WITH ADVANCED STANDING

Advanced standing is granted to students transferring from accredited institutions of collegiate rank. The amount of credit granted depends upon the nature and quality of the applicant's previous work, evaluated according to the academic requirements of the University and State College.

No advanced standing is granted at entrance for work done in non-

accredited collegiate institutions. After three terms of satisfactory work at the University or the State College, a student may petition for credit for courses taken in such institutions. Credit will be granted only for courses which are the equivalent of work regularly offered by the University or State College. Examinations may be required by the department concerned before credit is granted.

ADMISSION AS A SPECIAL STUDENT

An applicant for admission as a special student must be not less than 21 years of age, and must file documentary evidence sufficient to prove his special fitness to pursue the subjects desired.

Two classes of special students are recognized: (1) those not qualified for admission as regular students but qualified by maturity and experience to work along special lines; and (2) those qualified for admission as regular students but not working toward a degree.

A special student may petition for regular standing when he has made up entrance deficiencies or has completed at least 45 term hours in the University or the State College. Credits earned by a special student will not subsequently be counted toward a degree until the student has completed at least two years of work (93 term hours) as a regular student. In case a regular student changes to special status, work done while classified as a special student will not count toward a degree.

College Correspondence Courses

THE number before the title of a course indicates whether the course carries upper- or lower-division credit. Numbers from 1 to 299 are lower division; those 300 and above are upper division. Numbers following the course title represent: (1) term hours (t.h.) of credit; (2) number of lesson assignments (a.); and (3) the enrollment fee for students living in Oregon. *Students living outside of the state must add a nonresident fee of \$5.00 to the fee for each course or section of a course as stated in this catalog.* The nonresident fee is waived for men and women in active service in any branch of the armed forces.

No credit earned in correspondence courses may be applied toward a graduate degree.

SPECIAL SERVICE COURSES

The following courses are designed to meet the needs of special groups of students. Descriptions of the courses will be found on later pages of this catalog as indicated.

CITIZENSHIP**PS C 1 X. Preparation for Citizenship.**

Offered in cooperation with the Immigration and Naturalization Service of the U. S. Department of Justice for candidates for naturalization. For description, see page 40.

REFRESHER COURSES

The following are "refresher courses," planned especially for students wishing a quick review in preparation for work in technical fields.

Mth C 111. Introduction to Analysis (Algebra).

For description, see page 35.

Mth C 112. Introduction to Analysis (Geometry and Trigonometry).

For description, see page 35.

Ph C 5 E. Principles of Radio.

For description, see page 48.

AGRICULTURE

FM C 311. Farm Accounting. 3 t.h. 16 a. \$10.00.

Designed to give a farmer or an adult student the minimum essentials required in a satisfactory system of records for the typical farm. Subjects covered are: taking inventory, including how to determine depreciation and how to compile a financial credit statement; arrangement of receipts and expense items for convenience in analysis and in filing income-tax statements; methods for increasing efficiency of the farming system; the role of records in establishing equitable lease terms; the function of farm records in making a budget for the coming year. The course is also suitable for use in study groups.

Texts: Currier, Lennes, Merrill, *Farm Accounting*, Macmillan Co., 1932; Oregon State College *Farm Account Book*.

ARCHITECTURE AND ALLIED ARTS

ARCHITECTURE

AA C 150. Mechanical Drawing. Section I. 3 t.h. 15 a. \$10.00.

Instruction in the use and care of instruments, geometric drawing, practical applications of the principles of orthographic projection to drafting-room practice, etc. Neat, plain lettering, shop drawings, tracings, and isometric drawing receive special emphasis. Prerequisite: plane geometry. Text: French, *Engineering Drawing*, 6th ed., McGraw-Hill. A list of drawing materials required will be sent on request.

AA C 150. Mechanical Drawing. Section II. 3 t.h. 15 a. \$10.00.

A continuation of Section I. Developments and intersections of surfaces. Prerequisite: Section I or its equivalent. Same text as in Section I.

AA C 178. House Planning. 3 t.h. 16 a. \$10.00.

Small-house construction, detail drawing and architectural drafting, with particular reference to the needs of students majoring in home economics and industrial arts. Application of art principles to architectural and period styles. Emphasis upon needs of potential home owner and new trends in building.

Texts: Dunham and Thalberg, *Planning Your Home for Better Living*, McGraw-Hill, 1945; Pickering, *Shelter for Living*, John Wiley & Sons, 1941.

AA C 320. Stresses. 2 t.h. 14 a. \$7.00.

Principles involved and methods used in determining tensile and compressive stresses in various members of framed structures, such as roof

trusses, bridges, cantilever trusses, three-hinged arches, etc. Dead loads are analyzed by algebraic and graphic methods. A knowledge of mathematics through trigonometry is essential. No text required.

AA C 321. Stresses. 2 t.h. 10 a. \$7.00.

A continuation of AA C 320. Analysis for live loads.

AA C 420. Elementary Structural Design. 2 t.h. 15 a. \$7.00.

Principles employed in computing the proper sizes to use in trusses, machines, steel framework, and other objects under stress are explained and applications made to practical problems. This section deals with application to design in wood. A knowledge of mathematics through trigonometry is essential.

Text: *Steel Construction*, 4th ed., American Institute of Steel Construction, 200 Madison Avenue, New York City, 1941.

AA C 421. Elementary Structural Design. 2 t.h. 12 a. \$7.00.

Application in this section is to steel construction. Same text as for AA C 420.

AA C 422. Elementary Structural Design. 2 t.h. 9 a. \$7.00.

Application of principles and formulas to design of reinforced concrete. Same text as for AA C 420.

LA C 290. Lower-Division Landscape Design. 3 t.h. 16 a. \$10.00.

See description on page 33.

ART

AA C 144. Freehand Drawing. 2 t.h. 12 a. \$9.00.

For beginners and others interested in fundamental principles involved in graphic representation. Emphasis is upon the understanding of forms and their relation to picture making. Cost of materials needed will be sent on request. No text required.

AA C 145. Freehand Drawing. 2 t.h. 12 a. \$9.00.

A continuation of AA C 144.

AA C 166. Design I. 3 t.h. 17 a. \$13.00.

A creative approach to design for individual expression, with a study of two- and three-dimensional forms in painting, sculpture, textiles, advertising, etc. Course outline includes text. List of materials sent on request.

ASTRONOMY

Ph C 101. Astronomy. Section I. 3 t.h. 16 a. \$10.00

Attention is given to laws governing stars, planets, sun, moon, comets, and nebulae; study of the appearance and names of constellations and mythology connected with them. Observations are required. Field glasses will be helpful but are not required. Prerequisite: a knowledge of elementary algebra, plane and solid geometry.

Texts: Fath, *Elements of Astronomy*, 1934 ed. or later, McGraw-Hill; McKready, *A Beginner's Guide to the Stars*, G. P. Putnam's Sons.

Ph C 101. Astronomy. Section II. 3 t.h. 16 a. \$10.00.

A continuation of Ph C 101, Section I.

Ph C 1 X. Astronomy (Short Course). No credit. \$7.00.

A nonmathematical course for those interested in the subject; naked-eye observational work emphasized. Same text as for Ph C 101.

AVIATION

- CA C 311-312. **Elementary Civilian Pilot Training—Air Navigation.** 3 t.h. 17 a. \$10.00.

A study of such basic principles in air navigation as chart reading, instruments, cross-country flying, dead reckoning, radio navigation, celestial navigation, and civil air regulations. This course and CA C 312-313 are designed to cover as thoroughly as possible the material in these subjects included in the elementary ground-school training program of the C.A.A. While the completion of these courses will not exempt a student from the ground-school portion of the training required for a pilot's license, a knowledge of the material in the courses will greatly facilitate his regular flight training. If college credit is desired, this course must be taken with CA C 312-313 or its equivalent. Prerequisites: elementary algebra, plane geometry, and elementary physics.

Texts: Lyon, *Practical Air Navigation*, Civil Aeronautics Bulletin No. 24; and *Digest of Civil Air Regulations for Pilots*, Civil Aeronautics Bulletin No. 22. The student will need also a protractor; a 12-inch ruler with regular scale in inches on one edge and the metric scale on the other; large-size dividers or compass; a 4H pencil; and a sectional aeronautical chart, "Portland" designation.

- CA C 312-313. **Elementary Civilian Pilot Training—Meteorology.** 3 t.h. 16 a. \$10.00.

Intended especially for those who wish to enter the service of the U. S. Weather Bureau, for those interested in aviation, and for prospective ground-school teachers of meteorology. Prerequisites: elementary algebra, plane geometry, and elementary physics.

Texts: Blair, *Weather Elements*, Prentice-Hall, 1942; Haynes, *Meteorology for Pilots*, Civil Aeronautics Bulletin No. 25; *Codes for Cloud Forms and States of the Sky*, Circular S, U.S. Weather Bureau, No. 1249.

- CA C 341. **Secondary Civilian Pilot Training—Aerodynamics.** 4 t.h. 24 a. \$13.00.

A study of fundamental laws of physics and mechanics; properties of air and fluid motion; theory of flight and air foil; forces on wings; parasite drag; engines; propellers; straight-level flight at sea level and at altitude; climbing, gliding, and turning flight; dynamics of taking off; spins; performance study; high-lift devices; stability; dynamic loads and load factors; and structural considerations. Prerequisites: elementary algebra, plane geometry, and elementary physics.

Texts: Jones, *Elements of Practical Aerodynamics*, 3rd ed., 1942, John Wiley & Sons; Jones, *Aerodynamics for Pilots*, Civil Aeronautics Bulletin No. 26; *Civilian Pilot Training Manual*, Civil Aeronautics Bulletin No. 23; *Pilot's Airplane Manual*, Civil Aeronautics Bulletin No. 27.

- CA C 342. **Secondary Civilian Pilot Training—Aircraft Powerplants.** 4 t.h. 22 a. \$13.00.

A study of powerplant requirements; cycles of operation and power output factors; valve mechanisms and timing; engine design and construction; powerplant installation and lubricants; lubricant systems; fuel and fuel systems; carburetors; fuel injection; ignition systems; propellers; powerplant operation and maintenance instruments; parachutes; airplane structure and materials. Prerequisites: elementary algebra, plane geometry, and elementary physics.

Texts: Shedenhelm, *Pilot's Powerplant Manual*, Civil Aeronautics Bulletin No. 28; *Civilian Pilot Training Manual*, Civil Aeronautics Bulletin

- No. 23; Anderson, *Pilot's Airplane Manual*, Civil Aeronautics Bulletin No. 27.

- Mth C 330. **Elements of Navigation.** 3 t.h. 16 a. \$10.00.
See description on page 36.

BIOLOGY

- BiS C 101. **Biological-Science Survey.** 3 or 4 t.h. 16 a. \$10.00 or \$15.00.

An elementary study of the fundamental principles of biology as they apply to both plants and animals. Each section has laboratory exercises, which may be omitted if a compound microscope is not available. The course without laboratory exercises does not satisfy the science group requirement.

Text: Barrows, *General Biology*, Farrar & Rinehart, 1935. Access to a good dictionary and an encyclopaedia is necessary.

- BiS C 102. **Biological-Science Survey.** 3 or 4 t.h. 16 a. \$10.00 or \$15.00.
Same text as for BiS C 101.

- BiS C 103. **Biological-Science Survey.** 3 or 4 t.h. 16 a. \$10.00 or \$15.00.
Same text as BiS C 101 and 102.

- Z C 150. **Bird Study.** 3 t.h. 19 a. \$11.50.
For description, see page 42.

- Bot C 150. **Introductory Botany.** 3 t.h. 16 a. \$10.00.

A study of life processes as shown in the plant. A small magnifying glass is required. A service course for nonscience majors.

Text: Fuller, *The Plant World*, Henry Holt & Co., 1941. A magnifying glass of about 10X power and good definition will be needed.

- Bot C 151. **Systematic Botany.** 3 t.h. 16 a. \$10.00.

Designed to acquaint the student with some typical flowering plants and with methods of describing and classifying plants. A service course for nonscience majors.

Text: A flora for identifying plants is required. For use in Oregon the student should have Peck, *Manual of the Higher Plants of Oregon*, Binford & Mort, Portland, 1941. Students in other states should use the flora best adapted to their locality. References will be sent on request. A small hand lens, about 7X, will be needed.

- Bot C 152. **Advanced Systematic Botany.** 3 t.h. \$10.00.

A continuation of Bot C 151.

- Bot C 350. **Shrubs and Trees.** 3 t.h. 16 a. \$10.00.

Designed to acquaint students with some common shrubs and trees of the Pacific coast, and with the care and value of the national forests. Prerequisite: A college course in general botany.

Text: Sudworth, *Trees of the Pacific Slope*, Superintendent of Documents, Washington, D. C.

BUSINESS ADMINISTRATION*

- BA C 111. **Constructive Accounting.** 4 t.h. 22 a. \$13.00.

An introduction to the field of accounting and business administration.

* See also SECRETARIAL SCIENCE, page 40.

The student who completes this course satisfactorily should have little difficulty in following the routine of almost any bookkeeping system.

Text: McKinsey and Noble, *Accounting Principles*, South-Western Publishing Co., 350 Mission Street, San Francisco, Cal.; Working Papers for chapters 1 to 17 of *Accounting Principles*.

BA C 112. Constructive Accounting. 4 t.h. 22 a. \$13.00.

A continuation of BA C 111.

Texts: McKinsey and Noble, *Accounting Principles* (same as for BA C 111); Working Papers for chapters 1 to 17 of *Accounting Principles*; Practice Set No. 1, Stock No. A-603, for use with *Accounting Principles*, South-Western Publishing Co., 350 Mission Street, San Francisco, Cal.

BA C 113. Constructive Accounting. 4 t.h. 22 a. \$13.00.

A continuation of BA C 112.

Texts: McKinsey and Noble, *Accounting Principles* (same as for BA C 111); Working Papers for chapters 18 to 24 of *Accounting Principles*; Practice Set No. 2, Stock No. A-605, for use with *Accounting Principles*, South-Western Publishing Co., 350 Mission Street, San Francisco, Cal.

BA C 212. Principles of Cost Accounting. 3 t.h. 16 a. \$10.00.

The basic principles of cost accounting; departmentalization; expense allocation. Designed primarily for persons interested in general accounting. Prerequisite: BA C 111, 112, 113, or equivalent.

Text: Specthrie, *Industrial Accounting*, Prentice-Hall, 1942; work book to accompany text.

BA C 487. Advanced Cost Accounting. 3 t.h. 16 a. \$10.00.

Intensive study for those desiring to enter the field of cost accounting or other professional accounting work. Principles and cost procedures, with special application to practical problems. Prerequisites: BA C 111, 112, 113 and BA C 212 or equivalents.

Text: Langar, *Cost Accounting*, Walton Publishing Co.

BA C 488. Advanced Cost Accounting. 3 t.h. 16 a. \$10.00.

A continuation of BA C 487. Prerequisite: BA C 487. Same text as for BA C 487.

BA C 416. Business Law. 4 t.h. 22 a. \$13.00.

Introduction to law; persons, torts, contracts, and agency are considered.

Text: Spencer, *A Textbook of Law and Business*, McGraw-Hill, 1938.

BA C 417. Business Law. 4 t.h. 22 a. \$13.00.

The subjects include private property, law of finance, risk and risk bearing. Same text as for BA C 416.

BA C 418. Business Law. 4 t.h. 22 a. \$13.00.

A consideration of the law of personal property and the law of business organizations. Same text as for BA C 417.

BA C 425. Real-Estate Fundamentals. 2 t.h. 12 a. \$7.00.

A study of problems relating to the purchase, transfer, lease, and financing of land and buildings; home building; site selection; city structure as it affects real-property values. Designed to aid those preparing for the examination for a state license.

Text: Benson and North, *Real Estate Principles and Practice*, Prentice-Hall, 1938.

BA C 434. Problems in Distribution. 4 t.h. 20 a. \$13.00.

A critical study of marketing problems.

Text: Comish, *The Marketing of Manufactured Goods*, Stratford Co., 1935. Other texts may be borrowed from libraries.

BA C 439. General Advertising. 3 t.h. 16 a. \$10.00.

A study of the theory and practice of advertising. For beginners.

Text: Kleppner, *Advertising Procedure*, 3rd rev. ed., Prentice-Hall, 1941.

ECONOMICS

Ec C 150. Economic History. Section I. 3 t.h. 16 a. \$10.00.

A study of the economic and industrial development of England and the United States, with some attention to economic movements throughout the world.

Texts: Cheney, *An Introduction to the Industrial and Social History of England*, Macmillan Co., 1920; Day, *A History of Commerce*, Longmans, Green & Co., 1920; Gras, *An Introduction to Economic History*, Harper & Bros., 1922.

Ec C 150. Economic History. Section II. 3 t.h. 16 a. \$10.00.

A continuation of Section I. Same texts.

Ec C 201. Principles of Economics. 3 t.h. 16 a. \$10.00.

A study of principles that underlie production, exchange, and distribution. A course for second-year college students.

Texts: Fairchild, Furniss, and Buck, *Elementary Economics*, vol. I, McGraw-Hill, 3rd or 4th ed., 1936 or 1939; Keezer, Cutler, and Garfield, *Problem Economics*, Harper & Bros.; Patterson and Scholz, *Economic Problems of Modern Life*, McGraw-Hill, 1937.

Ec C 202. Principles of Economics. 3 t.h. 16 a. \$10.00.

A continuation of Ec C 201.

Texts: Same as for Ec C 201 except that assignments 10 to 16, inc., call for vol. II of Fairchild, Furniss, and Buck, *Elementary Economics*.

Ec C 203. Principles of Economics. 3 t.h. 16 a. \$10.00.

A continuation of Ec C 202. Same texts.

Ec C 211. Outline of Economics. 3 t.h. 16 a. \$10.00.

A brief survey of the principles of economics and of economic institutions. A service course.

Text: Kiekhofer, *Economic Principles and Problems*. D. Appleton-Century Co., 3rd ed., 1946.

Ec C 334. Economics of Business Organization and Finance. 4 t.h. 22 a. \$13.00.

Descriptive study of the principal characteristics of the several types of business organization and the various instruments used in financing them; problems of promoting and organizing business concerns are considered.

Text: Crumbaker, *Organizing and Financing Modern Business*, John Wiley & Sons, 1939.

Ec C 413. Money, Banking, and Economic Crises. 5 t.h. 33 a. \$16.00.

Principles of money, laws controlling its value, methods for measuring price levels, and devices for stabilizing purchasing power; principles

underlying sound banking and use of credit, with some attention to crises and panics. Prerequisite: principles of economics.

Texts: Holdsworth, *Money and Banking*, 6th ed., 1938, D. Appleton-Century Co.; White, *Money and Banking*, new ed. by Tippetts and Froman, Ginn & Co., 1938; Johnson, *Money and Currency*, Ginn & Co.; Pratt, *Work of Wall Street*, D. Appleton-Century Co.

Ec C 440. **International Trade.** 3 t.h. 16 a. \$10.00.

Theory of international trade; nature and effects of government interference in the form of bounties, subsidies, import and export duties; commercial policies of the more important nations. This course is in preparation.

Ec C 446, 447. **Economic Problems of the Pacific.** 3 t.h. each. 16 a. each. \$10.00 each.

This course is in preparation. Resources, trade, economic policies, and interdependence in the Pacific area, with special emphasis on the Far East.

Ec C 475. **Economic Problems: Economics of the Recovery Program.** 2 t.h. 12 a. \$7.00.

A study of economic conditions producing business depression, and principles back of the recovery program.

Texts: Fairchild, Furniss, Buck, and Wheldon, *A Description of the New Deal*, Macmillan Co.; Atkins, Friedrich, and Wyckoff, *Economic Problems of the New Deal*, F. S. Crofts & Co.; Seven Harvard Professors, *Economics of the Recovery Program*, McGraw-Hill.

EDUCATION

Ed C 102. **Mental Hygiene.** 3 t.h. 16 a. \$10.00.

A consideration of the conditions of healthy mental development; effective reactions to home, social, and vocational life; the attitudes, habits, and reaction tendencies of the healthy mind. Credit for this course may not be used to satisfy major requirements in education.

Texts: Kraines and Thetford, *Managing your Mind*, Macmillan Co., 1944; and Morgan, *How to Keep a Sound Mind*, Macmillan Co., 1946.

Ed C 312. **Educational Psychology.** 3 t.h. 16 a. \$10.00.

A study of some of the factors that promote growth through learning; principles of learning, of motivation, of mental health; the psychological theory of teaching procedures.

Texts: Sorenson, *Psychology in Education*, McGraw-Hill, 1940; Starch, Stanton, and Koerth, *Psychology in Education*, D. Appleton-Century Co., 1941.

Ed C 316. **Oregon School Law and System of Education.** 2 t.h. 12 a. \$7.00.

A study of the Oregon school system and the laws on which it is based; problems of Oregon schools and plans proposed for their solution; the course of study, and trends of educational development in the state.

Texts: *Oregon School Laws, 1946*, State Superintendent of Public Instruction, Salem, Oregon, 75 cents; *Oregon Blue Book*, latest ed., Secretary of State, Salem, Oregon, 25 cents.

Ed C 350. **Modern Methods of Teaching in the Upper Grades and High School.** 3 t.h. 16 a. \$10.00.

Principles of the technique of instruction; methods of teaching and class management. Not offered 1947-48.

Ed C 351. **Health Education I.** 2 t.h. 12 a. \$7.00.

This course and Ed C 352 are for mature persons who are interested in health for themselves as well as for others, and who are interested also in methods of health education. Section I is a survey of factual material that forms a basis of health education.

Texts: Smiley and Gould, *A College Textbook of Hygiene*, 3rd ed., Macmillan Co., 1940; Soule and Mackenzie, *Community Hygiene*, Macmillan Co., 1940.

Ed C 352. **Health Education II.** 2 t.h. 12 a. \$7.00.

The purpose of this course is to help establish standards and practices in health education that are consistent with modern educational methods.

Texts: Williams and Shaw, *Methods and Materials of Health Education*, Thomas Nelson & Sons, 1935; *Health Education*, revised ed., National Education Association, 1941.

Ed C 354. **Introduction to Education.** 3 t.h. 16 a. \$10.00.

A brief discussion of the meaning, function, and scope of education; an orientation survey of the educational field.

Texts: Reeder, *A First Course in Education*, Macmillan Co., 1945; De Young, *Introduction to American Public Education*, McGraw-Hill, 1942.

Ed C 422. **Curriculum Construction.** 2 t.h. 12 a. \$7.00.

Place of the curriculum in the modern school; trends in curriculum development. Suitable for group study.

Texts: Caswell and Campbell, *Curriculum Development*, American Book Co., 1935; Draper, *Principles and Techniques of Curriculum Making*, D. Appleton-Century Co., 1936.

*Ed C 454. **General History of Education.** 3 t.h. 16 a. \$10.00.

A general review of the growth and development of education and its relation to the civilization of the times; from Plato and Aristotle to Dewey.

Texts: Cubberley, *History of Education*, Houghton Mifflin Co., 1920; Monroe, *Textbook in the History of Education*, Macmillan Co., 1905.

*Ed C 455. **History of Modern Education.** 3 t.h. 16 a. \$10.00.

History of educators whose practices and philosophies function in our modern educational system.

Texts: Cubberley, *History of Education*, Houghton Mifflin Co., 1920; Rugg and Shumaker, *The Child-Centered School*, World Book Co., Cubberley, *Readings in the History of Education*, Houghton Mifflin Co.; Parker, *History of Modern Elementary Education*, Ginn & Co.

Ed C 458. **Primary Education.** 2 t.h. 12 a. \$7.00.

This course covers the social, emotional, intellectual, and physical growth and development of young children from the prenatal through the ninth-year level. It presents general and specific educational and psychological principles and their application to actual schoolroom problems as they apply to the primary child. It deals with the primary curriculum as a whole and with the teaching of the various specific areas, such as reading, phonics, science, social science, language, spelling, writing, and arithmetic. Prerequisite: at least one year of study in a normal school.

Texts: Leonard, Miles, Van der Kar, *The Child at Home and at School*, American Book Co., 1942; Dolch, *Teaching Primary Reading*, Garrard Press, 1941.

* Students may earn credit in either Ed C 454 or Ed C 455, but not in both.

Ed C 459. Intermediate and Upper-Grade Education. 2 t.h. 12 a. \$7.00.

An application of general educational and psychological principles to actual problems in intermediate and upper-grade teaching growing out of the student's experience. Emphasis will be given to the content subjects which are taught in the elementary schools of Oregon, such as science, social studies (history, geography, civics), and literature. Prerequisite: one year of study in a normal school or equivalent training.

Texts: Lane, *The Teacher in the Modern Elementary School*, Houghton Mifflin Co., 1941; Lee and Lee, *The Child and His Curriculum*, D. Appleton-Century Co., 1940.

Ed C 460. Child Study. 3 t.h. 16 a. \$10.00.

An inquiry into the behavior of infancy and early childhood, with emphasis upon the harmonious development of the emotional life of the child. Especially for parents.

Texts: Blanton and Blanton, *Child Guidance*, D. Appleton-Century Co.; Van Waters, *Youth in Conflict*, New Republic Press.

Ed C 461. Psychology of Adolescence. 3 t.h. 16 a. \$10.00.

A study of the important physical, mental, and moral changes natural to adolescence.

Texts: Cole, *Psychology of Adolescence*, Farrar and Rinehart, rev. ed., 1942; Thayer, Zachry, Kotinsky, *Reorganization of Secondary Education*, D. Appleton-Century Co., 1939.

Ed C 468. Hygiene of Learning. 3 t.h. 16 a. \$10.00.

A study of mental hygiene applied to teaching and learning in the school situation. Its major purpose is to give teachers and prospective teachers a better understanding of themselves and their pupils so that the "academic learnings" in the school will help in the development of a wholesome personality.

Texts: Witty and Skinner, *Mental Hygiene in Modern Education*, Farrar & Rinehart, Inc., 1939; Fenton, *Mental Hygiene in School Practice*, Stanford University Press, 1943.

Ed C 475. Measurement in Secondary Education. 3 t.h. 16 a. \$10.00.

The construction and desirable uses of various standard texts and scales for measuring achievement in secondary school subjects.

Texts: Green and Jorgensen, *The Use and Interpretation of High School Tests*, Longmans, Green & Co., 1936; Hawkes, Lindquist, and Mann, *The Construction and Use of Achievement Examinations*, Houghton Mifflin Co., 1936; Harter and Smeltzer, *Self Instructional Manual in Handling Test Scores*, Henry Holt & Co., 1933.

Ed C 490. Character Education. 3 t.h. 16 a. \$10.00.

The place of character in the social purposes of education; distinction between training and instruction; the dynamic function of the feelings; the conditioning of interests; the function of ideals; the formation of habits; the integration of habits and attitudes. Analysis of typical procedure.

Texts: Hartshorne, *Character in Human Relations*, Scribner's Sons, 1932; Dashiell, *Fundamentals of General Psychology*, Houghton Mifflin Co., 1937; the following bulletins which may be secured from the National Education Association, 1201 Sixteenth Street, N.W., Washington, D.C., for 25 cents each: *Education for Character*, part I, the Social and Psychological Background, vol. XXII, no. 2, March 1934; and *Education for Character*, part II, Improving the School Program, vol. XII, no. 3, May 1934.

ENGINEERING**GE C 111. Engineering Drawing.** 2 t.h. 10 a. \$7.00.

Training in the use of drafting instruments and in the art of lettering; introduction to elementary principles of orthographic projection. May be taken by students who have had no college training in mechanical drawing. A list of instruments and materials for the course will be sent on request.

Text: Willey, Wanless, Holcomb, *Engineering Drawing Manual*, Oregon State College Cooperative Association, Corvallis, Oregon.

GE C 112. Engineering Drawing. 2 t.h. 11 a. \$7.00.

Continuation of orthographic projection; methods of dimensioning and checking drawings; use of auxiliary planes of projection; section drawings; isometric drawing; working drawings of machine parts; tracings from drawing. Prerequisite: GE C 111 or equivalent. Same text as for GE C 111.

GE C 113. Engineering Drawing. 2 t.h. 11 a. \$7.00.

A continuation of GE C 112. Freehand orthographic and perspective sketching; practical application of drawing principles to working drawings; use of charts and diagrams. Prerequisite: GE C 112. Same text as for GE C 111 and 112.

ME C 212. Mechanics (Statics). 3 t.h. 16 a. \$10.00.

Forces and force systems with reference to the equilibrium of rigid bodies; simple framed structures; methods of finding centers of gravity and moments of inertia and their practical application; numerous problems having engineering application. Prerequisite: Differential and Integral Calculus (Mth C 201, 202).

Text: Seely and Ensign, *Analytical Mechanics for Engineers*, 3rd rev. ed., John Wiley & Sons, 1941.

ME C 213. Mechanics (Dynamics). 3 t.h. 16 a. \$10.00.

Continuation of ME C 212. Principles and problems in kinetics; force as a factor causing motion; work, energy, friction, and impact studied and illustrated by means of numerous problems. Prerequisite: Calculus (Mth C 201, 202) and ME C 212. Same text as for ME C 212.

ME C 363. Refrigeration. 3 t.h. 16 a. \$10.00.

Principles and practice of refrigeration, with special reference to commercial refrigeration. Material in the course is directed more particularly to those who install and service the larger units.

Texts: American Society of Refrigeration Engineers *Data Book*, 5th ed, vol. I, American Society of Refrigerating Engineers, 50 West 40th St., New York; *Instructions for the Operation and Maintenance of Refrigeration Plants*, U.S. Navy, Superintendent of Documents, Washington, D.C.; Martin, *Refrigeration Applications to Certain Oregon Industries*, Circular Series, No. 5, Engineering Experiment Station, Oregon State College, Corvallis. This circular is free to citizens of Oregon, 25 cents to others.

ENGLISH AND LITERATURE**WRITTEN ENGLISH****Eng C 111. Principles of Good Writing.** 3 t.h. 16 a. \$10.00.

This course together with Eng C 112 and 113 make up a year sequence in fundamentals of composition and rhetoric equivalent to the usual freshman requirements in college English.

Texts: Babcock, Horn, English, *Essentials of Composition for College Students*, American Book Co., 1939; *Good Reading*, National Council of Teachers of English. An approved collegiate dictionary is also required.

Eng C 112. Principles of Good Writing. 3 t.h. 16 a. \$10.00.

A continuation of Eng C 111. Same texts.

Eng C 113. Principles of Good Writing. 3 t.h. 16 a. \$10.00.

A continuation of English C 112. Same texts.

Eng C 113sp. Principles of Good Writing (Special). 3 t.h. 16 a. \$10.00.

This is an alternate course for the third section of Principles of Good Writing, intended especially for the student engaged in a particular type of business or profession who may wish to make use of materials which his work provides. The course will stress practical forms; the outline, the summary, definition, factual narrative, objective description, and the organization of reports. It may be taken separately or as the third section of the regular course.

Text: Robbins and Parker, *Advanced Exposition*, rev. ed., Prentice-Hall, 1940; a good dictionary.

Eng C 114. Exposition, Narration, and Argument. 2 t.h. 12 a. \$7.00.

This section and Eng C 115, Eng C 116 stress composition rather than usage, although attention is given also to fundamentals of correct English expression. Section I deals with exposition.

Texts: Scott and Zeitlin, *College Readings in English Prose*, 3rd ed., Macmillan Co., 1935; Pence, *Style Book in English*, The Odyssey Press, 1944.

Eng C 115. Exposition, Narration, and Argument. 2 t.h. 12 a. \$7.00.

This section deals with narration and description. Same texts as for Eng C 114.

Eng C 116. Exposition, Narration, and Argument. 2 t.h. 12 a. \$7.00.

This section deals with argument. Same texts as for Eng C 114.

Eng C 213. Introduction to Short-Story Writing. 3 t.h. 16 a. \$10.00.

Critical study of the structure of typical short stories; attention to plot construction, character portrayal, introductions, dialogues, and conclusions. A course for beginners in creative writing. A knowledge of English fundamentals is essential.

Text: Bement and Taylor, *The Fabric of Fiction*, Harcourt, Brace & Co., 1946.

Eng C 214. Short-Story Writing. 3 t.h. 16 a. \$10.00.

Designed to enable students to try out their abilities in creative writing. Training in English fundamentals and in creative writing equivalent to that given in Eng C 111, 112, 113 and Eng C 213 is required. A choice of texts is permitted.

Eng C 217. Business English. 3 t.h. 16 a. \$10.00.

A complete review and study of modern practices in business correspondence. Prerequisite: Eng C 111, 112, 113 or equivalent.

Text: McCloskey, *Handbook of Business Correspondence*, Prentice-Hall, 1932.

Eng C 218. Advanced Writing. 3 t.h. 16 a. \$10.00.

The study and practice of general magazine writing—sketches, essays, narratives, criticism, etc. Prerequisite: Eng C 111, 112, 113 or equivalent training. This course is being revised; a new text will be used after Sept. 1, 1947.

Texts: Cunliffe and Lomer, *Writings of Today*, 4th ed., D. Appleton-Century Co., 1925; some good handbook in English.

Eng C 219. Advanced Writing. 3 t.h. 16 a. \$10.00.

A continuation of Eng C 218. Same text.

Eng C 220. Advanced Writing. 3 t.h. 16 a. \$10.00.

A continuation of Eng C 219. Same text.

Eng C 311. Advanced Short-Story Writing. 3 t.h. \$14.00.

An advanced course calling for 25,000 words of manuscript of satisfactory quality. The student submits manuscripts as if for market rather than as "lessons." Expert criticism given. Prerequisites: completion of Eng C 213 and Eng C 214 with proficiency, or submission of short-story manuscripts of merit. Reading will be suggested by instructor.

Eng C 314. Book and Play Reviewing: A Course in Literary Criticism. 3 t.h. 16 a. \$10.00.

The writing of book reviews from either the professional or nonprofessional point of view. Prerequisites for this course and for Eng C 315 are: a college course in written English and not less than 9 term hours' work in literature, or the equivalent of these in training; and an acquaintance with current literature.

Text: Mallory, *Backgrounds of Book Reviewing*, 1923 ed., George Wahr, Ann Arbor, Mich.

Eng C 315. Book and Play Reviewing: A Course in Literary Criticism. 3 t.h. 16 a. \$10.00.

A practical and journalistic approach to play reviewing for the apprentice reviewer. Attention given to contemporary drama, jazz, the movies, musical comedy, the revue, etc. Prerequisite: same preparation in written English and literature as for Eng C 314. Text included in lesson outlines, but supplementary reading required.

Eng C 317. Versification. 3 t.h. 16 a. \$10.00.

The aim is to acquaint the student with fundamental verse forms through the study and analysis of significant verse, and to give opportunity for creative writing. A knowledge of good English usage and some acquaintance with literature are required.

Text: Untermeyer, *The Book of Living Verse*, Harcourt, Brace & Co., 1939.

Eng C 324. English Composition for Teachers. 3 t.h. 16 a. \$10.00.

For those expecting to teach English in high schools. Prerequisite: Eng C 111, 112, 113 or equivalent.

Texts: Mirrielees, *Teaching Composition and Literature*, rev. ed., Harcourt, Brace & Co., 1943; Hodges, *The Harbrace Handbook of English*, Harcourt, Brace & Co.

Eng C 325. Prose Manuscript. 3 t.h. \$14.00.

For those who have finished satisfactorily Eng C 311 or equivalent. Submission of 25,000 words in acceptable manuscript required. Individual problems receive careful attention. Reference reading suggested by instructor.

Eng C 335. Magazine Writing. 3 t.h. \$10.00.

Advanced instruction for persons interested in creative writing, or in professional writing for magazines. Consent of instructor is necessary for enrollment.

Text: Brennecke and Clark, *Magazine Article Writing*, Macmillan Co., 1932.

Eng C 336. Magazine Writing. 3 t.h. \$10.00.

A continuation of Eng C 335. Same text.

Eng C 1 X. Grammar, Punctuation, and Usage Review. No credit. 22 a. \$7.00.

For mature persons who feel the need of a thorough review of all facts and principles of grammar that have practical application in relation to punctuation and good usage.

Text: Tressler, *Grammar in Action*, rev. ed., Heath & Co., 1938.

Manuscript Criticism. No credit.

Manuscripts of full-length novels, biographies, travels, and similar literary undertakings will be read by an experienced critic and will receive whatever criticism seems to be indicated by the nature of the undertaking. The fee for this service will be \$25.00 for manuscripts not over 75,000 words. Application for manuscript criticism should be made before the manuscript is submitted, and should indicate its nature and length. Manuscripts will not be accepted for criticism unless they are typed. The fee and return postage should be sent with the manuscript.

LITERATURE

Eng C 101. Survey of English Literature. 3 t.h. 20 a. \$10.00.

This course and Eng C 102, 103 comprise a study of significant features in English literature from *Beowulf* to the present. For college freshmen. The first section covers the period from *Beowulf* to Milton.

Text: Snyder and Martin, *A Book of English Literature*, vol I, Macmillan Co., 1942.

Eng C 102. Survey of English Literature. 3 t.h. 20 a. \$10.00.

Covers the period from Milton to Byron.

Texts: Snyder and Martin, *A Book of English Literature*, vol. I, Macmillan Co., 1942; a collection of Wordsworth's poems, such as the Oxford standard edition or vol. II of *A Book of English Literature* by Snyder and Martin.

Eng C 103. Survey of English Literature. 3 t.h. 20 a. \$10.00.

Covers the period from Byron to Hardy.

Text: Snyder and Martin, *A Book of English Literature*, vol. II, Macmillan Co., 1942.

Eng C 170. Early American Literature. 3 t.h. 16 a. \$10.00.

This course and Eng C 171 trace the development of American literature from Franklin to modern times. Books chosen for reading are representative of certain conditions of American life or of the opinions of leading writers on questions of general interest.

Texts: Well-known works of Franklin, Woolman, Crèvecoeur, Thoreau, Emerson, Lowell, Hawthorne, Poe, which may be borrowed from libraries.

Eng C 171. Recent American Literature. 3 t.h. 16 a. \$10.00.

A continuation of Eng C 170.

Texts: Works of Howells, Deland, Herrick, Wharton, Henry James, Wilkins, Mark Twain, and Glasgow.

Eng C 201. Shakespeare. 3 t.h. 16 a. \$10.00.

In this course and Eng C 102, 103 twenty plays by Shakespeare are studied in detail and several other plays are assigned as extra reading. The three sections meet requirements for English majors and for those who wish to fulfill a norm in English.

Text: Brooke, Cunliffe, MacCracken, *Shakespeare's Principal Plays*, D. Appleton-Century Co., 1925; or any good edition of the required plays.

Eng C 202. Shakespeare. 3 t.h. 16 a. \$10.00.

A continuation of Eng C 201. Same text.

Eng C 203. Shakespeare. 3 t.h. 16 a. \$10.00.

Continuation of Eng C 202. Same text.

Eng C 260. Survey of American Literature. 5 t.h. 28 a. \$16.00.

A brief survey of American literature from the beginning to the present. Designed especially for those who are beginning the study of American literature and for those who wish to fulfill the English norm for teachers.

Text: Ellis, Pound, Spohn, *A College Book of American Literature (Briefer Course)*, American Book Co., 1939-1940. Students should not confuse this brief edition of the book with a longer, two-volume edition.

***Eng C 300. English and American Poetry, 1910-1920.** 3 t.h. 16 a. \$10.00.

This course and Eng C 301 constitute a critical study of representative works of Seeger, Brooke, Teasdale, Masefield, Lindsay, Giovannitti, C. E. S. Wood, Sandburg, Masters, Frost, Lowell, and others.

Texts: Monroe and Henderson, *The New Poetry*, Macmillan Co.; Seeger, *Poems*, Charles Scribner's Sons; Robinson, *The Man Against the Sky*, Macmillan Co.; Masefield, *Everlasting Mercy* and *The Widow in the Bye Street*, Macmillan Co.; Giovannitti, *Arrows in the Gale*; Sandburg, *Smoke and Steel*, Harcourt, Brace & Co.

***Eng C 301. English and American Poetry, 1910-1920.** 3 t.h. 16 a. \$10.00.

A continuation of Eng C 300. Texts are included in the preceding list.

†Eng C 329. Contemporary English Novel. 3 t.h. 16 a. \$10.00.

A study of representative novels of England today, and of characteristics of the newer and most recent trends in English fiction. A wide selection of novels for reading is possible. Novels may be borrowed from libraries.

†Eng C 361. Living Writers. 3 t.h. 16 a. \$10.00.

A study of the literary types, except drama, as exemplified in the work of English writers of the last thirty years. Especially adapted to the use of study groups.

Text: Maugham, *Fifty Modern English Writers*, educational ed., Doubleday, Doran & Co., 1934.

Eng C 367. English Novel. 3 t.h. 16 a. \$10.00.

The novel in the eighteenth century, with special attention to the work of Defoe, Richardson, Fielding, Smollett, Goldsmith, Sterne, Burney, Walpole, Beckford, Radcliffe, and Godwin. Supplementary reading in the history of the novel and in the technique of fiction is also required. Prerequisite: Survey of English Literature or its equivalent. Novels may be borrowed from libraries or purchased in inexpensive editions.

Eng C 368. English Novel. 3 t.h. \$10.00.

This course and Eng C 369 involve the study of twelve great novelists of the nineteenth century: Scott, Austen, Bulwer-Lytton, Kingsley, Dickens, Reade, Thackeray, Bronte, Eliot, Trollope, Meredith, and Hardy. Prerequisite: Survey of English Literature and Eng C 367 or equivalent. Novels may be borrowed from libraries.

Eng C 369. English Novel. 3 t.h. \$10.00.

A continuation of Eng C 368. Same prerequisites.

* Credit in only one of the courses marked with an asterisk(*) may be counted toward a degree—except that Eng C 300 and Eng C 301 may both be taken.

† Credit in only one of the courses marked with a dagger (†) may be counted toward a degree.

- †Eng C 385. **Twentieth-Century Literature.** 4 t.h. 21 a. \$13.00.
A study of the novel in England since 1900. Backgrounds for reading are given and connections traced between the various movements and tendencies. Books may be borrowed from public libraries.
- *Eng C 386. **Twentieth-Century Literature.** 4 t.h. 21 a. \$13.00.
American imaginative literature since 1900. Books may be borrowed from public libraries.
- Eng C 391. **Nineteenth-Century American Novel.** 3 t.h. 16 a. \$10.00.
A study of the origin and development of the novel in America from 1798 to 1900. Minimum required reading is sixteen novels. Books may be borrowed from public libraries.
- *Eng C 393. **Contemporary American Novel.** 3 t.h. 16 a. \$10.00.
A survey of the contemporary American scene as it is found in the modern novel in America. Study plans for forty-three novels are offered, from which the student must complete sixteen. Books may be secured from a local library.

GEOGRAPHY

- Geo C 105. **General Geography.** 3 t.h. 16 a. \$10.00.
This course and Geo C 106, 107 constitute a general introduction to geography. Section I deals with physical geography.
Text: Finch and Trewartha, *Elements of Geography*, McGraw-Hill, 1936.
- Geo C 106. **General Geography.** 3 t.h. 16 a. \$10.00.
This section deals with economic geography.
Text: Klimm, Starkey, and Hall, *Introductory Economic Geography*, Harcourt, Brace & Co., 1937.
- Geo C 107. **General Geography.** 3 t.h. 16 a. \$10.00.
This section deals with human and regional geography.
Text: Van Valkenberg, *Elements of Political Geography*, Prentice-Hall, 1939.
- Geo C 429. **Geography of North America.** 3 t.h. 16 a. \$10.00.
Physiography and resources of the continent, and social reactions as influenced by these. Prerequisite: Geo C 105, 106, 107 or G C 250 or equivalent.
Text: Smith and Phillips, *North America*, Harcourt, Brace & Co., 1942.

GEOLOGY

- G C 250. **Geology I.** 3 t.h. 24 a. \$10.00.
An elementary study of the processes of nature affecting the surface of the earth.
Text: Croneis and Krumbein, *Down to Earth*, University of Chicago Press, or any good text on general geology.
- G C 251. **Historical Geology.** 1½ t.h. 9 a. \$6.50.
For students who have had G C 250 or its equivalent.
Text: Schuchert and Dunbar, *Historical Geology*, John Wiley & Sons, 1941.

* Credit in only one of the courses marked with an asterisk(*) may be counted toward a degree—except that Eng C 300 and Eng C 301 may both be taken.

† Credit in only one of these courses marked with a dagger (†) may be counted toward a degree.

HISTORY

- Hst C 201. **History of the United States.** 3 t.h. 16 a. \$10.00.
This course and Hst C 202, 203 constitute a general survey of American history from colonial times to the present. The first section deals with the discovery and settlement of North America and the development of the United States to 1850.
Texts: Hicks, *The Federal Union*, Houghton Mifflin Co., 1937; Beard, *The Rise of American Civilization*, one-volume ed., Macmillan Co., 1930.
- Hst C 202. **History of the United States.** 3 t.h. 16 a. \$10.00.
Covers the period from 1850 to 1898.
Texts: Hicks, *The Federal Union*, Houghton Mifflin Co., 1937; Beard, *The Rise of American Civilization*, one-volume ed., Macmillan Co., 1930; Hicks, *The American Nation*, Houghton Mifflin Co., 1943.
- Hst C 203. **History of the United States.** 3 t.h. 16 a. \$10.00.
Covers the period from 1898 to the present.
Texts: Hicks, *The American Nation*, Houghton Mifflin Co., 1943; Beard, *The Rise of American Civilization*, one-volume ed., 1930.
- Hst C 204. **World History.** 3 t.h. 16 a. \$10.00.
This course and Hst C 205, 206 constitute a review of the great civilizations of the world from the Stone Age to the present. The first section covers the period from the Stone Age to about 1500 A.D.
Texts: Ferguson and Bruun, *A Survey of European Civilization*, Houghton Mifflin Co., 1939 or 1942; Caldwell, *The Ancient World*, Farrar & Rinehart, 1937.
- Hst C 205. **World History.** 3 t.h. 16 a. \$10.00.
A continuation of Hst C 204 to the early nineteenth century.
Texts: Ferguson and Bruun, *A Survey of European Civilization*, Houghton Mifflin Co., 1939; Webster, *History of Civilization*, D. C. Heath, 1940.
- Hst C 206. **World History.** 3 t.h. 16 a. \$10.00.
A continuation of Hst C 205 from the early nineteenth century to recent times. Same texts.
- *Hst C 207. **English History I.** 3 t.h. 16 a. \$10.00.
This course and Hst C 208, 209 constitute a general survey of English history from earliest times to the present. Section I takes the student to the beginning of the seventeenth century.
Texts: Cross, *A Shorter History of England and Great Britain*, rev. ed., Macmillan Co., 1931; Cheyney, *Readings in English History Drawn from the Original Sources*, Ginn & Co., 1908.
- *Hst C 208. **English History II.** 3 t.h. 16 a. \$10.00.
Covers the period from the beginning of the seventeenth century to the end of the Napoleonic Wars in 1815. Same texts as for Hst C 207.
- *Hst C 209. **English History III.** 3 t.h. 16 a. \$10.00.
Covers the period from 1815 to modern times. Same texts as for Hst C 208.

* This course is being revised; the new text used will be Hall and Albin, *History of England and the British Empire*, 2nd ed., 1946, published by Ginn & Co; and Trevelyan, *English Social History*, Longmans, Green & Co., 1942. The revised course will probably be ready about Sept. 1, 1947.

- Hst C 341. History of Modern Europe I.** 3 t.h. 16 a. \$10.00.
This course and Hst C 342, 343 cover the history of Europe from 1789 to modern times. Section I is concerned with the history of the chief nations of Europe from 1815 to 1870.
Text: Hall and Davis, *The Course of Europe Since Waterloo*, D. Appleton-Century Co., 1941.
- Hst C 342. History of Modern Europe II.** 3 t.h. 16 a. \$10.00.
A study of the international relations of European states and their internal history from 1870 to 1919. Same text as for Hst C 341.
- Hst C 343. History of Modern Europe III.** 3 t.h. 16 a. \$10.00.
This course is a continuation of Hst C 342 and covers the period from 1919 to the present.
Texts: Hall and Davis, *The Course of Europe Since Waterloo*, D. Appleton-Century Co., 1941; Chambers, Grant, and Bayley, *This Age of Conflict, A Contemporary World History 1914-1943*, Harcourt, Brace & Co., 1943.
- Hst C 377. History of Oregon.** 3 t.h. 16 a. \$10.00.
Detailed study of the building of civilization in the Pacific Northwest. This course meets the state requirement for teachers.
Texts: Clark, Down, Blue, *History of Oregon*, Row, Peterson & Co., or Pollard, *Oregon and the Pacific Northwest*, Binford & Mort, Portland, 1946; Schafer, *History of the Pacific Northwest*, Macmillan Co.; *Oregon Blue Book*, Secretary of State, Salem, Oregon. The latest edition available should be used.
- Hst C 442. History of France: The Revolution and the Napoleonic Era.** 3 t.h. 16 a. \$10.00.
Covers the period from 1789 to 1815.
Texts: Gershoy, *The French Revolution and Napoleon*, F. S. Crofts & Co., 1933; Matthews, *The French Revolution*, enlarged ed., Longmans, Green & Co., 1923.
- Hst C 473. American Foreign Relations.** 3 t.h. 16 a. \$10.00.
This course and Hst C 474 constitute a study of the relations of the United States with other powers and the development of American foreign policies.
Text: Bailey, *A Diplomatic History of the American People*, 2nd ed., F. S. Crofts & Co., 1942.
- Hst C 474. American Foreign Relations.** 3 t.h. 16 a. \$10.00.
A continuation of Hst C 473. Same text as for Hst C 473.
- Hst C 480. History of Hispanic America.** 3 t.h. 16 a. \$10.00.
This course and Hst C 481, 482 deal with South America and those countries other than the United States that border on the Gulf of Mexico and the Caribbean Sea. Section I covers the colonial period, from about 1500 to 1800 A.D. Prerequisite: Hst C 201, 202, 203 or equivalent preparation in history of the United States.
Text: Wilgus, *The Development of Hispanic America*, Farrar & Rinehart, 1941.
- Hst C 481. History of Hispanic America.** 3 t.h. 16 a. \$10.00.
A study of the Caribbean area, with special emphasis on the relationship of the United States to this region. Prerequisite: same as for Hst C 480.
Texts: Wilgus, *The Development of Hispanic America*, Farrar & Rinehart,

- 1941; Rippey, *Historical Evolution of Hispanic America*, text ed., F. S. Crofts & Co., 1942.
- Hst C 482. History of Hispanic America.** 3 t.h. 16 a. \$10.00.
A continuation of the study of the Caribbean area, with emphasis on the Monroe Doctrine and American imperialism, and on the development of South American republics and their international relations, particularly with the United States, as exemplified by Pan-Americanism, and with the continent of Europe through the medium of Pan-Hispanism. Prerequisite: the same as for Hst C 480. Same texts as for Hst C 481.
- Hst C 491. The Far East in Modern Times.** 3 t.h. 16 a. \$10.00.
The three sections of this sequence cover the history of China and Japan, and to a lesser degree some smaller East Asiatic nations, from the mid-nineteenth century to 1941. The emphasis is on political history and diplomatic relations, although some attention is given to social and cultural developments. The impact of the West, and the interests of occidental powers, particularly the United States, are given special consideration. Section I covers the period just before the opening of China to treaty relations, before 1839, until the end of the Boxer uprising in 1900. It deals with Japanese and Korean history in the same period, as well as with Russia in Asia.
Text: Vinacke, *History of the Far East in Modern Times*, 4th ed., F. S. Crofts & Co., 1941. The use of Clyde, *History of the Modern and Contemporary Far East*, Prentice-Hall, 1937, or Morse and MacNair, *Far Eastern International Relations*, Houghton Mifflin Co. 1931, as a supplementary text is highly recommended.
- Hst C 492. The Far East in Modern Times.** 3 t.h. 16 a. \$10.00.
This section covers the period from 1900 until 1921 in the foreign relations of China and Japan, Chinese domestic history from 1900 to 1926, and Japanese history to 1931. It also deals with Korean history from 1905 to 1941, and the history of the Philippines from 1898 to 1941. Same text as for Hst C 491.
- Hst C 493. The Far East in Modern Times.** 3 t.h. 16 a. \$10.00.
This section covers East Asiatic diplomatic history from the Washington Conference in 1921 to the outbreak of the general Asiatic war in 1941. Emphasis is placed on American policy as well as on Japanese activity on the Asiatic continent. One assignment deals with Russia in the Far East. Same text as for Hst C 491, 492.

HOME ECONOMICS

The following courses are offered under the supervision of Ava B. Milam, dean of the School of Home Economics, and Azalea Sager, state leader of home economics extension, Oregon State College.

- ***FN C 225. Principles of Dietetics.** 2 t.h. 12 a. \$7.00.
Study of the constituents in the normal well-balanced diet and the part each plays in maintaining functions of the body in health. The course aims to present the fundamental facts of nutrition in a nontechnical manner. This course is not a substitute for "Nutrition" in Curriculum B in the School of Home Economics, Oregon State College, as specified in its catalog, but meets the requirement in "Dietetics" in Curriculum A, and may be counted as an elective in Curriculum B. It may serve also as an elective for other college students and for anyone interested in nutrition.
Texts: Bogert, *Nutrition and Physical Fitness*, 3rd ed., W. B. Saunders Co., 1940; Rose, *The Foundations of Nutrition*, 3rd ed., Macmillan Co., 1938.

* This course is being revised. New registrations cannot be accepted until revision has been completed.

*FN C 411. Food Purchasing. 3 t.h. 16 a. \$10.00.

A study of factors involved in purchasing food for the home, such as cost and quality, food laws and regulations, etc. This course may be taken without prerequisites if the credit is applied as a general elective. To meet requirements for majors in the School of Home Economics, it must be preceded by a course in food preparation and in elementary economics. Texts: Blinks and Moore, *Food Purchasing for the Home*, J. B. Lippincott Co., 1932; Monroe, Kyrk, Stone, *Food Buying and Our Markets*, M. Barrows & Co., 1940.

HAd C 320. Child Development. 3 t.h. 16 a. \$10.00.

An elementary course for college students or for anyone who wishes to become acquainted with present-day knowledge of the development of the young child. To meet the requirement for major students in the School of Home Economics, this course must be preceded by a course in general psychology.

Texts: Faegre and Anderson, *Child Care and Training*, 4th ed., University of Minnesota Press, 1937; Jersild, *Child Psychology*, Prentice-Hall, 1936; Thom, *Child Management*, Pamphlet No. 143, Children's Bureau, Washington, D.C., 1937; Zabriskie, *Mother and Baby Care in Pictures*, J. B. Lippincott Co., 1936.

HAd C 340. Household Management. 4 t.h. 22 a. \$13.00.

This course considers not only efficiency in the organization and direction of household processes and policies, but also gives attention to household equipment, and to the principles that are basic in developing a satisfying home. Homemakers should find it of value, since it stresses practical aspects of management.

Texts: Andrews, *Economics of the Household*, Macmillan Co., 1935, or a later ed.; Donham, *Spending the Family Income*, Little, Brown & Co., 1933; Kyrk, *Economic Problems of the Family*, Harpers, 1933; Peet and Sater, *Household Equipment*, 2nd ed., John Wiley & Sons, 1940; Reid, *Consumers and the Market*, F. S. Crofts & Co., 1938.

CT C 217. Clothing Selection. 3 t.h. 16 a. \$10.00.

This course aims to give the student an understanding of the principles of clothing from the standpoint of art, health, and economy. If followed by CT 218 and CT 219, it may be used to meet a requirement in clothing for students majoring in home economics.

Texts: Dooley, *Clothing and Style*, D. C. Heath & Co., 1930; Hempstead, *Color and Line in Dress*, rev. ed., Prentice-Hall, 1938; Hess, *Textile Fibers and Their Use*, rev. ed., J. B. Lippincott Co., 1936; Latzke and Quinlan, *Clothing*, J. B. Lippincott Co., 1935. A list of other references required will be sent on request.

CT C 331. Home Furnishing. 3 t.h. 16 a. \$10.00.

A course for those who wish to buy and use household furnishings to the best advantage. It is concerned with those elements of decoration which must be considered in the average home, rather than with historic periods. Must be preceded by a year of art to meet requirements of majors in the School of Home Economics. May be taken as an elective.

Texts: Lewis, *Decorating the Home*, Macmillan Co., 1942; *Floor Coverings*, Better Buymanship Bulletin No. 10, and *Furniture*, Better Buymanship Bulletin No. 26, Household Finance Corporation, 919 North Michigan Ave., Chicago, 5 cents each.

* This course is being revised. New registrations cannot be accepted until revision has been completed.

JOURNALISM

*J C 101. Elementary Newswriting. 3 t.h. 16 a. \$10.00.

An introduction to the fundamentals of general reporting, interviewing, and news analysis, and a study of what constitutes news. As much practice as possible is given in writing news stories.

Text: Warren, *Modern News Reporting*, Harper & Bros., 1934.

*J C 400. Feature Writing. 3 t.h. 16 a. \$10.00.

Interpretative stories, explanations, statistical treatment of a series of individual stories, "human interest" material, how-to-do articles, experience and personality interviews, sketches, etc., are analyzed and practice work assigned. The aim of the student should be the production of articles that can be published.

Text: Patterson, *Writing and Selling Special Feature Articles*, Prentice-Hall, 1939.

J C 1 X. Newswriting for Publicity Chairmen. No credit. \$7.00.

Designed to be of immediate, practical service to publicity chairmen in parent-teacher associations, women's clubs, men's service clubs, and other organizations in which proper representation to the public is essential. No previous training is necessary.

Text: Harwood, *Getting and Writing News*, George H. Doran Co.

LANDSCAPE ARCHITECTURE

L A C 290. Lower-Division Landscape Design. 3 t.h. 16 a. \$10.00.

The purpose of this course is to offer a program of study to assist home owners and others interested in gardens and landscape design to obtain an appreciation of the art and to learn some of the practical aspects of home grounds development. Several practical design problems are included, one of which may be the grounds of the student's own home. Credit for this course may not be applied toward a major in landscape architecture.

Text: Ramsey, L. W., *Landscaping the Home Grounds*, Macmillan Co., 1938.

LATIN

Lat C 1, 2, 3. Beginning Latin and Caesar. 4 t.h. each. 32 a. each. \$13.00 each.

The course begins with the first-year book and closes with the reading of two books on Caesar's *Gallic Wars*.

Texts: Hettich and Maitland, *Latin Fundamentals*, Prentice-Hall; *Caesar's Gallic Wars*, ed. by Gunnison and Harley, Silver, Burdett & Co.; Allen and Greenough, *New Latin Grammar*, Ginn & Co.

Lat C 4. Cicero. 4 t.h. 24 a. \$13.00.

For students who have had two years of Latin in high school, or three years without Cicero. Prerequisite: Lat C 1, 2, 3.

Text: *Select Orations*, ed. by D'Ooge, Benj. H. Sanborn & Co.

Lat C 101. Latin Literature: Horace. 3 t.h. 16 a. \$10.00.

A study of selected *Odes* and *Epodes* of Horace. Prerequisites: Cicero and Vergil.

Texts: Allen and Greenough, *New Latin Grammar*, Ginn & Co.; Horace, *Odes and Epodes*, ed. by Shorey and Laing, Benj. H. Sanborn & Co.

* This course is being rewritten and expanded to two sections of three hours each. The new courses may not be available before October 1, 1947.

LIBRARY METHODS

Eng C 382. **Book Selection and Evaluation.** 3 t.h. 16 a. \$10.00.

Designed to provide a general survey of the best books and authors, old and new, in various fields of writing, and to assist the student in interpreting and applying principles and standards for judging them. Consideration is given to the best aids in book selection. Practice in book reviewing and annotation.

Texts: Haines, *Living With Books*, Columbia University Press, 1935; Oregon State Library, *Books for High Schools*, latest ed.

Eng C 388. **Children's Literature.** 3 t.h. 16 a. \$10.00.

A survey course intended to give an understanding and appreciation of the best literature for children of all ages; of special interest to parents and to teachers in charge of school libraries.

Text: Eaton, *Reading with Children*, Viking Press, 1940. Access to a fairly good library is essential.

Lib C 386. **Cataloging.** 3 t.h. 16 a. \$10.00.

Study of the library card catalog and practice in cataloging books for a small library.

Texts: Akers, *Simple Library Cataloging*, 3rd ed., American Library Association, 1944; *Oregon State Library List of Books for School Libraries* part I, Elementary, 1946, and part II, High Schools, 1944.

LITERATURE

See ENGLISH AND LITERATURE, pages 26-28.

MATHEMATICS

Mth C 10. **Elements of Algebra.** 4 t.h. 24 a. \$13.00.

For students who have had less than one year of elementary algebra. May not be taken for credit after completion of more advanced college courses in mathematics.

Text: Peterson, *Intermediate Algebra for College Students*, Harper & Bros., 1942.

Mth C 20. **Elements of Geometry.** 4 t.h. 48 a. \$13.00.

The essentials of plane geometry for students with less than one year of high-school geometry.

Text: Welchons and Krickenberg, *Plane Geometry*, rev. ed., 1943, Ginn & Co.

Mth C 100. **Intermediate Algebra.** 4 t.h. 24 a. \$13.00.

The course is built about the essential technique of algebra; the functional core of algebra, comprising the formula, equation, and graph; the solution of problems. Prerequisite: one year of high-school algebra.

Text: Betz, *Algebra for Today, Second Course*, Ginn & Co., 1931.

Mth C 101. **Elementary Analysis I.** 4 t.h. 22 a. \$13.00.

Section I of a three-section sequence offering a unified treatment of college algebra, plane trigonometry, analytical geometry, and the more-simple portions of the differential and integral calculus. Prerequisites: three semesters of high-school algebra or Mth C 100.

Text: Milne and Davis, *Introductory College Mathematics*, Ginn & Co., rev. ed., 1935 or 1941.

Mth C 102. **Elementary Analysis II.** 4 t.h. 24 a. \$13.00.

A continuation of Mth C 101. Same text.

Mth C 103. **Elementary Analysis III.** 4 t.h. 22 a. \$13.00.

A continuation of Mth C 102. Same text.

Mth C 105. **College Algebra.** 4 t.h. 24 a. \$13.00.

A standard course in college algebra. The arrangement and classification of the material and the manner of treatment are based upon the function concept. Prerequisite: Mth C 100 or three semesters of high-school algebra. Text: Hart, *College Algebra*, rev. ed., D. C. Heath & Co., 1938.

Mth C 106. **Plane Trigonometry.** 4 t.h. 24 a. \$13.00.

The standard college course, emphasizing the theory of trigonometric functions as well as their applications in solving triangles. Prerequisites: Mth C 100, Mth C 101 or Mth C 105, and plane geometry.

Text: Rosenbach, Whitman, Moskovitz, *Plane Trigonometry* (with tables), Ginn & Co., 1937.

Mth C 108. **Mathematics of Finance.** 4 t.h. 22 a. \$13.00

Simple and compound interest and discount, annuities, amortization of debts, sinking funds, bonds, depreciation, elements of life insurance, and other topics related to business. A required course in most schools of business administration. Prerequisite: college algebra.

Text: Hart, *The Mathematics of Investment* (with tables), rev. ed., D. C. Heath & Co., 1946.

Mth C 111. **Introduction to Analysis.** 2 t.h. 17 a. \$10.00.

A refresher course for those who have had mathematics in high school, with emphasis on algebra.

Text: Lapp, Knight, Rietz, *Review of Mathematics for College Students*, Scott, Foresman & Co., 1942.

Mth C 112. **Introduction to Analysis.** 2 t.h. 18 a. \$10.00.

A continuation of Mth C 111, with emphasis on geometry and plane trigonometry. Instruction in the use of logarithms and the slide rule is included.

Text: Same as for Mth C 111; also, *Navigation Tables*, War Department Technical Manual, TM 1-208, Aug. 1, 1944; Kells, Kern, Bland, *The Log Duplex Trig Slide Rule* No. 4080, a manual, Keuffel & Esser Co.; Keuffel and Esser's *Beginner's Slide Rule* No. 4058 W. Students preparing for engineering may wish to purchase a better slide rule.

Mth C 113. **Introduction to Analysis (Trigonometry).** 2 t.h. 12 a. \$7.00.

A brief course in logarithms and computational trigonometry, giving the minimum essential preparation for effective service in the Air Forces and other branches of military service. It is not intended to replace Mth C 106 or Mth C 102 as preparation for further courses in mathematics. Prerequisite: intermediate algebra or its equivalent in high-school algebra. Plane geometry is recommended but not required.

Text: Brink, *Plane Trigonometry*, rev. ed., with tables, D. Appleton-Century Co., 1940.

Mth C 200. **Analytical Geometry.** 4 t.h. 21 a. \$13.00.

Applications of algebra to geometry. A thorough treatment of the straight line, conic sections, and related topics. This course, together with Mth C 105 and Mth C 106, may be substituted for Elementary Analysis. Prerequisites: plane geometry, Mth C 105 and Mth C 106.

Text: Love, *Analytic Geometry*, 3rd ed., Macmillan Co., 1938.

- Mth C 201. Differential and Integral Calculus.** 4 t.h. 24 a. \$13.00.
Section I of a three-section sequence designed to lay a thorough foundation for all advanced work in mathematics and its applications. Essentially the same course as that given under the same numbers at Oregon State College and the University of Oregon. Prerequisites: Mth C 101, 102, 103 or equivalent.
Text: Granville, Smith, Longley, *Elements of the Differential and Integral Calculus*, Ginn & Co., 1941.
- Mth C 202. Differential and Integral Calculus.** 4 t.h. 24 a. \$13.00.
A continuation of Mth C 201. Same text.
- Mth C 203. Differential and Integral Calculus.** 4 t.h. 20 a. \$13.00.
A continuation of Mth C 202. Same text.
- Mth C 314. Advanced College Algebra.** 3 t.h. 16 a. \$10.00.
An extension of the work in Mth C 105. Prerequisite: one year of college mathematics.
Text: Hart, *College Algebra*, rev. ed., 1938, J. C. Heath & Co.
- Mth C 315. Theory of Equations.** 3 t.h. 16 a. \$10.00.
Methods of solution of algebraic equations and related topics. Prerequisite: Mth C 314, or Mth C 101, 102, 103, or calculus.
Text: Dickson, *New First Course in the Theory of Equations*, John Wiley & Sons, 1939.
- Mth C 330. Elements of Navigation.** 3 t.h. 16 a. \$12.00.
A study of fundamental principles upon which celestial air and surface navigation are based, including application of the principles to such practical problems as locating positions at sea or in the air. Problems give practice in the use of charts, the nautical and air almanacs, altitude and azimuth tables, altitude curves, and the precomputation of a proposed flight. Prerequisites: elementary algebra and plane geometry.
Texts: *The American Air Almanac* and *The American Nautical Almanac*, U. S. Naval Observatory; Ageton's Table H. O. 211, *Dead Reckoning Altitude and Azimuth Table*, 3rd ed., U. S. Government Printing Office, 1940; *Tables of Computed Altitude and Azimuth*, H. O. 214, vol. IV, Latitude 30°-30° inclusive, Hydrographic Office, Washington, D. C.; Weems and Eberle, *Learning to Navigate*, Pitman Publishing Corp., Chicago, 1943; McKready, *A Beginner's Guide to the Stars*, G. P. Putnam's Sons. Dividers and parallel rulers will also be needed.
- Mth C 337. Elements of Statistics.** 4 t.h. 22 a. \$13.00.
An elementary course in mathematical statistics intended for students of mathematics, the physical, biological, and social sciences, business administration, forestry, and education. It covers those elements common to all first courses in statistics, and should prepare the student for applied courses in all fields. Prerequisite: college algebra or consent of instructor.
Text: Gavett, *A First Course in Statistical Method*, McGraw-Hill, 1937.
- Mth C 421. Differential Equations.** 3 t.h. 20 a. \$10.00.
Section I of a two-section sequence designed to give practical instruction in the solution of ordinary and partial differential equations. A foundation course essential for advanced work in engineering, mathematics, physics, and chemistry.
Text: Murray, *Differential Equations*, Longmans, Green & Co., 1934.
- Mth C 422. Differential Equations.** 3 t.h. 16 a. \$10.00.
A continuation of Mth C 421. Same text.

MODERN LANGUAGES

FRENCH

- RL C 1. First-Year, First-Term French.** 4 t.h. 24 a. \$13.00.
Texts: Micks and Longi, *Fundamental French*, Oxford University Press, 1940; Beattie, *A French Reader for Beginners*, Dryden Press, 1937.
- RL C 2. First-Year, Second-Term French.** 4 t.h. 24 a. \$13.00.
Same texts as for RL C 1.
- RL C 3. First-Year, Third-Term French.** 4 t.h. 24 a. \$13.00.
Texts: Micks and Longi, *Fundamental French*, Oxford University Press, 1940; Beattie, *A French Reader for Beginners*, Dryden Press, 1937; Skinner and Brady, *Vingt Contes Divers*, Dryden Press, 1938.
- RL C 4. Second-Year, First-Term French.** 4 t.h. 24 a. \$13.00.
Texts: Pargment, *Trente-Trois Contes et Nouvelles*, Henry Holt & Co., 1929; Barton and Sirich, *Simplified French Review Grammar and Composition*, Crofts & Co., 1941.
- RL C 5. Second-Year, Second-Term French.** 4 t.h. 24 a. \$13.00.
Texts: Barton and Sirich, *Simplified French Review Grammar and Composition*, Crofts & Co., 1941; Pierre Loti, *Pêcheur d'Islande*, Henry Holt & Co.
- RL C 6. Second-Year, Third-Term French.** 4 t.h. 24 a. \$13.00.
Texts: Barton and Sirich, *Simplified French Review Grammar and Composition*, Crofts & Co., 1941; Alfred de Musset, *Les Trois Comédies*, D. C. Heath & Co.
- *RL C 311. French Literature.** 3 t.h. 16 a. \$10.00.
Section I of a three-section sequence in third-year French. Reading of masterpieces of various periods; a general review of French literature. Not open to students who have had RL 201, 202, 203 in residence. Prerequisites: two years of college French.
- *RL C 312. French Literature.** 3 t.h. 16 a. \$10.00.
A continuation of RL C 311.
- *RL C 313. French Literature.** 3 t.h. 16 a. \$10.00.
A continuation of RL C 312.

SPANISH

The following courses are intended for students whose chief concern is to acquire a reading knowledge of Spanish.

- RL C 11. First-Year, First-Term Spanish.** 4 t.h. 24 a. \$13.00.
Texts: Seymour and Smithers, *Practical Spanish Grammar*, Longmans, Green & Co.; Olmstead and Sirich, *First Spanish Reader*, Henry Holt & Co.
- RL C 12. First-Year, Second-Term Spanish.** 4 t.h. 24 a. \$13.00.
Same texts as for RL C 11.
- RL C 13. First-Year, Third-Term Spanish.** 4 t.h. 24 a. \$13.00.
Same texts as RL C 11.

* This course is being revised. New registrations cannot be accepted until revision has been completed.

- RL C 14. **Second-Year, First-Term Spanish.** 4 t.h. 24 a. \$13.00.
Texts: Seymour and Smithers, *Practical Spanish Grammar*, Longmans, Green & Co.; Sánchez-Pérez, *Leyendas Españolas*, Allyn & Bacon.
- RL C 15. **Second-Year, Second-Term Spanish.** 4 t.h. 24 a. \$13.00.
Texts: Palacio Valdés, *La Hermana San Sulpicio*, ed. by Gill, Henry Holt & Co.; Wilkins and Alpern, *Spanish Verb Blanks*, Globe Book Co.
- RL C 16. **Second-Year, Third-Term Spanish.** 4 t.h. 24 a. \$13.00.
Text: M. Romera-Novarro, *Historia de España*, D. C. Heath & Co.
- The following courses in "First-Year Spanish" are for students who wish to acquire a speaking as well as a reading knowledge of the language. Much attention is given to correct pronunciation. Two phonograph records on pronunciation have been prepared to supplement the lessons. Price of the records is not included in the fee.*
- RL C 11. **First-Year, First-Term Spanish.** 4 t.h. 24 a. \$13.00.
Text: Keniston, *Learning Spanish*, Henry Holt & Co., 1941.
- RL C 12. **First-Year, Second-Term Spanish.** 4 t.h. 24 a. \$13.00.
Texts: Keniston, *Learning Spanish*, Henry Holt & Co., 1941; Keniston, *Reading Spanish*, Henry Holt & Co., 1940.
- RL C 13. **First-Year, Third-Term Spanish.** 4 t.h. 24 a. \$13.00.
Texts: Keniston, *Learning Spanish*, Henry Holt & Co., 1941; Keniston, *Reading Spanish*, Henry Holt & Co., 1940; Keniston, *A Standard List of Spanish Words and Idioms*.

PHYSICS

- *Ph C 250. **College Physics.** 3 t.h. 16 a. \$10.00.
Section I of a three-section sequence which covers mechanics, sound, heat, light, electricity, and magnetism, and an introduction to modern physics. Similar to General Physics (Ph 201, 202, 203) offered at the University of Oregon and at Oregon State College. Prerequisites: elementary algebra, plane geometry, and elementary physics.
Text: Caswell, *An Outline of Physics*, rev. ed., Macmillan Co., 1938.
- *Ph C 251. **College Physics.** 3 t.h. 16 a. \$10.00.
A continuation of Ph C 250. Same text.
- *Ph C 252. **College Physics.** 3 t.h. 16 a. \$10.00.
A continuation of Ph C 251. Same text.
- Ph C 330. **Fundamentals of Radio.** 3 t.h. 16 a. \$10.00.
A study of the underlying physical principles of radio: basic electrical laws; descriptions, characteristics, and applications of electronic devices; methods of measurement and analysis; descriptions of amplifiers, receivers, and transmitters, with applications of amplitude modulation and frequency modulation; radio antennas and wave propagation. Prerequisites: college algebra and college physics, or equivalent.
Texts: Everitt, ed., *Fundamentals of Radio*, Prentice-Hall, 1942; N. J. Harrison, *Receiving Tube Manual*, R.C.A. Manufacturing Co., Ser. RC-14; *The Radio Handbook*, 9th ed., Editors and Engineers.
- Ph C 360. **Meteorology.** 3 t.h. 16 a. \$10.00.
A course designed for persons who wish to study the subject for general

* An additional 3 term hours of credit (1 hour for each section) may be earned by laboratory work done in a summer session or by special arrangement during a regular term.

- information and enjoyment, for those interested in aviation, and for those who wish to enter the service of the U. S. Weather Bureau. Knowledge of the material covered should fit the student for the civil-service examination for the lower ranks of government positions. Prerequisites: elementary algebra, plane geometry, and elementary physics.
Texts: Blair, *Weather Elements*, rev. ed., Prentice-Hall, 1942; Haynes, *Meteorology for Pilots*, Civil Aeronautics Administration Bulletin No. 25; *Codes for Cloud Forms and States of the Sky, according to the International System of Classification*, Circular S, United States Weather Bureau, Bulletin No. 1249, Washington, D. C.
- Ph C 462. **Advanced Meteorology.** 3 t.h. 16 a. \$10.00.
An introduction to dynamic meteorology, an essential part of the training of anyone aiming to become a professional meteorologist. The course seeks to explain, on the basis of well-known physical principles, the more common phenomena observed in the atmosphere, particularly motions and energy transformations. Prerequisite: Ph C 360 or an equivalent knowledge of meteorology; a course in college physics or its equivalent; a knowledge of algebra through quadratics; and elementary knowledge of trigonometry; and some familiarity with the notation of the calculus.
Text: Allbright, *Physical Meteorology*, Prentice-Hall, 1939.
- Ph C 463. **Advanced Meteorology.** 3 t.h. 16 a. \$10.00.
An introduction to synoptic and aeronautical meteorology intended primarily for airplane pilots and others wishing to prepare themselves for positions as meteorologists in the service of the airlines or of the United States government. The course is devoted almost exclusively to synoptic meteorology, the study of weather conditions existing over a large area at a given time. Special emphasis is placed upon the air-mass analysis system of weather forecasting. Prerequisites: an elementary course in meteorology such as Ph C 360 or its equivalent; algebra through quadratics; a course in college physics or its equivalent; an elementary knowledge of trigonometry; and some familiarity with the notation of the calculus.
Text: Taylor, *Aeronautical Meteorology*, Pitman Publishing Corp., New York, 1938.

PHYSIOLOGY

- Z C 250. **Elementary Physiology.** 3 t.h. 16 a. \$10.00.
For description see page 42.

POLITICAL SCIENCE

- PS C 201. **American National Government.** 4 t.h. 22 a. \$13.00.
The national government, with special attention to practical operation and contemporary reforms.
Texts: Beard, *American Government and Politics*, 8th ed., Macmillan Co., 1939; Rankin, *Readings in American Government*, D. Appleton-Century Co., 1939.
- PS C 202. **American State and Local Governments.** 4 t.h. 20 a. \$13.00.
A study of the state and local governments, with special attention to practical operation and contemporary reforms in Oregon.
Texts: Macdonald, *American State Government and Administration*, Thomas Y. Crowell Co.; *Oregon Blue Book*, Secretary of State, Salem,

Oregon; Mathews and Berdahl, *Documents and Readings in American Government*; Ewing and Dangerfield, *Source Book of Government and Politics*, D. C. Heath & Co.

PS C 1 X. Preparation for Citizenship. No credit. 21 a. \$3.50.

The purpose of this course is to assist candidates for naturalization who cannot attend regularly organized classes to prepare for their citizenship examination. It is planned for those who have a fair knowledge of English.

Text: Federal Textbook on Citizenship, *Our Constitution and Government*, simplified ed. The text is sent with the lesson outlines.

PSYCHOLOGY

***Psy C 201. General Psychology.** 3 t.h. 16 a. \$10.50.

The primary purpose of this section and Psy C 202, 203 is to provide students with a scientific basis for understanding their own behavior and that of others. Sections I and II present fundamental principles.

Texts: Klein, *General Psychology*, Henry Holt & Co., 1936; Garrett, *Great Experiments in Psychology*, D. Appleton-Century Co., 1941.

***Psy C 202. General Psychology.** 3 t.h. 16 a. \$10.50.

A continuation of Psy C 201. Same texts.

Psy C 203. General Psychology. 3 t.h. 16 a. \$10.50.

This section outlines the personal adjustment problems which arise out of the complexities of modern social life.

Text: Shaffer, *Psychology of Adjustment*, Houghton Mifflin Co.

Psy C 411. Genetic Psychology. 3 t.h. 16 a. \$10.00.

A study of growth of behavior during infancy, childhood, and adolescence, and an analysis of the decline of abilities with maturity and senescence. The development and decline of perception, emotion, intelligence, motor skill, language, and social behavior receive special attention. Prerequisite: Psy C 201, 202.

Texts: Munn, *Psychological Development*, Houghton Mifflin Co., 1938; McGraw, *Growth, A Study of Jimmy and Johnny*, D. Appleton-Century Co., 1935; Goodenough, *Developmental Psychology*, D. Appleton-Century Co., 1934.

Psy C 413. Abnormal and Borderline Psychology. 3 t.h. 16 a. \$10.00.

A study of different forms of abnormal behavior, with emphasis on their causes. Modern methods of psychotherapy are explained and discussed. Prerequisite: Psy C 201, 202 or any good course in general psychology.

Text: Maslow and Mittlemann, *Principles of Abnormal Psychology: The Dynamics of Psychic Illness*, Harper & Bros., 1941.

SECRETARIAL SCIENCE†

SS C 111. Stenography (Gregg). 3 t.h. 16 a. \$10.00.

This course and SS C 112, 113 cover the entire theory of Gregg shorthand. If the student does the practice suggested in the assignments throughout these three courses, at their completion he should be able to take dictation at a fair rate of speed. Letters for dictation are included

* These courses are being revised. Write for information on texts before ordering them.

† See also BUSINESS ADMINISTRATION, page 17.

in the last course. These three courses may be taken independently, but they must be taken in their proper sequence.

Texts: Frick and Vietti, *Talk and Take Gregg Shorthand*, Oregon State College Cooperative Association, Corvallis, Ore., 1939; Beers and Scott, *Fundamental Drills in Gregg Shorthand*, Gregg Publishing Co., 1932.

SS C 112. Stenography (Gregg). 3 t.h. 16 a. \$10.00.

A continuation of SS C 111. Same texts.

SS C 113. Stenography (Gregg). 3 t.h. 16 a. \$10.00.

A continuation of SS C 112. Same texts.

SS C 111. Stenography (Thomas). 3 t.h. 16 a. \$10.00.

The theory of Thomas shorthand covered, with practical applications of theory principles in sentence and letter dictation. For beginners only.

Text: Frick, Vietti, Thomas, *Talk and Take Thomas Natural Shorthand*, 2nd ed., Prentice-Hall, 1944.

SS C 121. Typing. 2 t.h. 12 a. \$7.00.

This course and SS C 122, 123 cover the theory and practice of touch typing. The keyboard, speed and accuracy drills, introduction to business letters. Students who have had one year of typing in high school may not take SS C 121 for credit.

Text: Lessenberry, *College Typewriting*, with personal problems, 3rd ed., South-Western Publishing Co., 1941.

SS C 122. Typing. 2 t.h. 12 a. \$7.00.

A continuation of SS C 121. More work on letters, speed emphasis, improvement of stroking skill, tabulating, and manuscript typing.

Text: Lessenberry, *College Typewriting*, with personal problems, 3rd ed., South-Western Publishing Co., 1941, and Workbooks I and II.

SS C 123. Typing. 2 t.h. 12 a. \$7.00.

A continuation of SS C 122. Office forms, legal documents, application letters, personal typewriting.

Text: Lessenberry, *College Typewriting*, with personal problems, 3rd ed., South-Western Publishing Co., 1941, and Workbook III.

SS C 313. Office Organization and Management. 3 t.h. 16 a. \$10.00.

A study of the field of management as it pertains to the office and its activities in its relation to other phases of the business. Instruction begins with the development of elementary office routines, and progresses to more complicated problems of planning and layouts, and the selection and training of office personnel. Considerable emphasis is placed upon office management in relation to small or moderate-size offices. Provides practical training for both office worker and office manager or supervisor. This course may not be substituted for the five-hour course SS 313 required of majors in secretarial science.

Text: McDonald, *Office Management*, Prentice-Hall, 1941.

SOCIOLOGY

Soc C 204. General Sociology. 3 t.h. 16 a. \$10.00.

Analysis of social organization and culture; social changes and movements as affected by culture and by biological and physical environmental factors. This course and Soc C 205 or their equivalent are prerequisite to advanced courses in sociology.

Text: Ogburn and Nimkoff, *Sociology*, Houghton Mifflin Co., 1940.

Soc C 205. General Sociology. 3 t.h. 16 a. \$10.00.

A continuation of Soc C 204. Same text.

Soc C 211. General Sociology. 3 t.h. 16 a. \$10.00.

Analysis of social organization, involving a study of human nature and social institutions; consideration of social problems, social processes, and social control. A service course for students with majors in other fields. An abridgement of Soc C 204 and Soc C 205; may not be taken with these courses for credit.

Text: MacIver, *Society: A Textbook of Sociology*, Farrar & Rinehart, 1937.

Soc C 213. Modern Social Problems. 3 t.h. 16 a. \$10.00.

A study of some of the more important social problems of modern times and their relation to basic principles of social organization; designed to orient the student in the field of applied sociology. Prerequisite: Soc C 204 and Soc C 205 or equivalent.

Text: Elliott and Merrill, *Social Disorganization*, rev. ed. Harper & Bros., 1941.

Soc C 315. Criminology. 3 t.h. 16 a. \$10.00.

An analysis of the nature of the phenomenon of crime, with specific reference to the causative factors involved, and criticism of present attitudes toward crime and the criminal. Prerequisite: Soc C 204, 205, or Soc C 211, or equivalent.

Texts: Sutherland, *Principles of Criminology*, 3rd rev. ed., Lippincott, 1939; Gilin, *Criminology*, rev. ed., D. Appleton-Century Co., 1935. Other books required may be borrowed from libraries.

Soc C 338. Matrimonial Institutions. 3 t.h. 16a. \$10.00.

A course designed to give the student an understanding of the institution of marriage and the family, with emphasis upon the functions of the family in modern social life. Prerequisite: Soc C 204, 205, or Soc C 211, or equivalent.

Texts: Nimkoff, *The Family*, Houghton Mifflin Co.; Groves, *Marriage*, Henry Holt & Co., 1941.

Soc C 420. Community Problems. 2 t.h. 12 a. \$7.00.

This course is designed primarily to provide an analysis of community problems normally dealt with by the public health nurse, the social worker, or others interested in social organization for more harmonious and efficient communal life. The emphasis is on community health problems. Prerequisite: Soc C 204, 205 or equivalent.

Text: Bossard, *Social Change and Social Problems*, Harper & Bros., 1934.

ZOOLOGY**Z C 150. Bird Study.** 3 t.h. 19 a. \$11.50.

A combined reading and laboratory course emphasizing interesting facts connected with the biology of birds, their characteristics and habits.

Text: Included in the course outline, but at least one good book on western birds will be needed for identification purposes.

Z C 250. Elementary Physiology. 3 t.h. 16 a. \$10.00.

An introduction to human physiology with special emphasis on the normal functions of the various organs of the body.

Text: Carlson and Johnson, *The Machinery of the Body*, rev. ed., University of Chicago Press, 1941.

High-School Courses

THESE courses are offered in cooperation with the office of the State Superintendent of Public Instruction, who has approved their acceptance by the principal of any high school in Oregon for credit toward graduation. Students who wish to use them toward graduation should secure the approval of their principal to insure selection of the proper course. The courses may also be used by students beyond high-school age who wish to clear college entrance deficiencies.

Colleges and universities in Oregon have agreed upon these minimum entrance requirements:

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 the field 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, 1 unit in algebra, $\frac{1}{2}$ unit in higher algebra, and 1 unit in geometry must be presented. A student deficient in mathematics may be admitted to a pre-engineering course for the first year, necessitating a five-year program to qualify for graduation.

Graduates from standard out-of-state high schools are required to present substantially the above distribution of units. Such applicants who are not residents of Oregon may be held for additional requirements demonstrating superior ability.

College credit will not be given for any of the high-school courses listed below, but college entrance credit will be granted for the satisfactory completion of any of them.

A unit, when applied to high-school credit, means the equivalent of five recitations per week of not less than 40 minutes each, in one branch of study, for the school year of not less than 36 weeks.

Numbers following the title of a course indicate: (1) unit (u.) of high-school or college entrance credit; (2) number of assignments (a.); and (3) the fee.

AVIATION**PFA C 1 E. Pre-Flight Aeronautics I.** $\frac{1}{2}$ u. \$10.00.

This course and PFA C 2 E include the study of aerodynamics, meteorology, air navigation, airplane motors, and aircraft communications, and lay a foundation for specialized and more advanced training in any aviation activity depending on these fields of subject matter.

Text: *Elements of Pre-Flight Aeronautics for High Schools*, Macmillan Co., 1942.

PFA C 2 E. Pre-Flight Aeronautics II. ½ u. \$10.00.

A continuation of PFA C 1 E. Same text.

BUSINESS**BA C 1 E. Introduction to Accounting.** ½ u. 24 a. \$10.00.

The aim of this course is to give the student instruction in practical methods of bookkeeping and information concerning the principles underlying all accounting records. It includes a study of business relationships as affecting the accounting records, recording of transactions in the more simple forms of books of original entry, posting to ledgers, and preparation of financial statement.

Texts: Baker, Prickett, Carlson, *20th Century Bookkeeping and Accounting*, 17th ed., South-Western Publishing Co., 1934; work book for use with *20th Century Bookkeeping and Accounting*, chapters 1-14.

BA C 2 E. Introduction to Accounting. ½ u. 24 a. \$10.00.

A continuation of BA C 1 E.

Texts: Baker, Prickett, Carlson, *20th Century Bookkeeping and Accounting*, 17th ed., South-Western Publishing Co., 1934; work book for use with *20th Century Bookkeeping and Accounting*, chapters 15-28 (Stock No. 529); R. W. Collins Practice Set (Stock No. 520); and French and Breen Practice Set (Stock No. 530).

Eng C 14 E. Elementary Commercial English. ½ u. 24 a. \$10.00.

This course covers practical grammar review, use of the dictionary, vocabulary-building exercises, correction of errors in usage, principles of effective writing, with attention to punctuation and some fundamentals of public speaking.

Texts: Hagar, Wilson, Hutchinson, Blanchard, *The English of Business*, and *The English of Business Work Book* by the same authors, Gregg Publishing Co., 1935.

Eng C 15 E. Elementary Commercial English. ½ u. 24 a. \$10.00.

A continuation of Eng C 13 E, in which the student is given abundant opportunity to apply principles he has learned. Emphasis is on the art of writing naturally in business correspondence of all kinds. Same texts as for Eng C 14 E. This course is in preparation.

DRAWING**Mech D C 1 E. Mechanical Drawing.** ½ u. 24 a. \$10.00.

This is the first semester of a course for students who are beginning the study of mechanical drawing. It includes tool care and use; view shape; simple dimensions; circles; angles; parts of circles; ellipse; sections; shape description; working drawing; graphs, charts, maps, and tracings; lettering.

Text: French and Svensen, *Mechanical Drawing*, McGraw-Hill, 1940. A supplementary text is required and may be selected from a list furnished by the General Extension Division.

Mech D C 2 E. Mechanical Drawing II. ½ u. 24 a. \$10.00.

Continuation of Mech D C 1 E. Includes working drawing; sections; auxiliary views; revolutions; threads, bolts and nuts; assembly and detail drawings; pictorial drawing; inking and tracing; development of sheet metal drawing; lettering. Prerequisite: Mech D C 1 E or equivalent. Same text as for Mech D C 1 E.

ENGLISH**Eng C 1 E. Ninth-Grade English I.** ½ u. 24 a. \$10.00.

This course is the first semester of English and includes work in grammar and literature.

Text: Tressler, *English in Action*, Course I, 3rd ed., D. C. Heath & Co., 1940.

Eng C 2 E. Ninth-Grade English II. ½ u. 24 a. \$10.00.

This is a continuation of Eng C 1 E and covers the second semester of English. Texts: Cross, Smith, Stauffer, Collette, *Good Reading*, vol. I, *Adventure*, rev. ed., Ginn & Co., 1938.

Eng C 3 E. Tenth-Grade English III. ½ u. 24 a. \$10.00.

This course covers the first semester of second-year high-school English.

Text: Tressler, *English in Action*, Book I, 3rd ed., D. C. Heath & Co., 1940. Access to a good dictionary is also necessary.

Eng C 4 E. Tenth-Grade English IV. ½ u. 24 a. \$10.00.

A continuation of Eng C 3 E, covering the second semester of tenth-grade English.

Texts: Cross, Smith, Stauffer, Collette, *Good Reading for High Schools*, vol. II, *Achievement*, rev. ed., Ginn & Co., 1938.

Eng C 5 E. Eleventh-Grade English V. ½ u. 24 a. \$10.00.

This course is the first semester of junior English. Its purpose is to develop the ability of the student to write effectively through practice in composition and to guide him in the study of American literature, especially fiction.

Texts: Tressler, *English in Action*, Course III and Course IV, 3rd ed., D. C. Heath & Co., 1940; Paschall, *Creative Expression*, Harper & Bros., 1933; Inglis, Gehlman, Bowman, Foerster, *Adventures in American Literature*, 3rd ed., Harcourt, Brace & Co., 1941.

Eng C 6 E. Eleventh-Grade English VI. ½ u. 24 a. \$10.00.

A continuation of Eng C 5 E, covering the second semester of eleventh-grade English. Reading will be from representative American writers in the essay, biography, poetry, drama, folk literature, and humor.

Texts: Tressler, *English in Action*, Course III and Course IV, 3rd ed., D. C. Heath & Co., 1940; Inglis, Gehlman, Bowman, Foerster, *Adventures in American Literature*, 3rd ed., Harcourt, Brace & Co., 1941.

Eng C 7 E. Twelfth-Grade English VII. ½ u. 24 a. \$10.00.

The first semester of senior English. It includes five units of work on English literature from Anglo-Saxon times through the eighteenth century, and a careful survey of grammar and grammatical principles.

Texts: Tressler, *English in Action*, Course III and Course IV, 3rd ed., D. C. Heath & Co., 1940; Inglis, Cooper, Sturdevant, Benét, *Adventures in English Literature*, 3rd ed., Harcourt, Brace & Co., 1941.

Eng C 8 E. Twelfth-Grade English VIII. ½ u. 24 a. \$10.00.

This course is the second semester of senior English, and includes four units of work on the development of English life as reflected through its literature from the romantic period through the twentieth century. Special attention is also given to grammar and composition.

Texts: Tressler, *English in Action*, Course III and Course IV, 3rd ed., D. C. Heath & Co., 1940; Inglis, Cooper, Sturdevant, Benét, *Adventures in English Literature*, Harcourt, Brace & Co., 1941; Webster, *Daily Drills for*

Better English, rev. and enlarged ed., 1939, for students who need special drills.

Eng C 9 E. **Entrance English Composition.** $\frac{1}{2}$ u. 24 a. \$10.00.

This course is planned to give the student drill on the mechanics of writing and some experience in organizing his ideas and putting them before a reader. Each lesson requires from the student some piece of writing and generally the completion of an exercise in grammar, usage, or punctuation. Especially for high-school seniors.

Text: Smith, *Learning to Write*, Little, Brown & Co., 1943. A high-school or collegiate dictionary is desirable.

Eng C 10 E. **Entrance English Composition.** $\frac{1}{2}$ u. 24 a. \$10.00.

A continuation of Eng C 9 E. Same text.

Eng C 12 E. **English Grammar and Usage.** $\frac{1}{4}$ u. 8 a. \$5.00.

The purpose of the eight lessons in this course is to give a simple survey of English grammar and usage. By calling attention to some of the more common errors, the course seeks to help the student fix correct forms in his mind. Especially for mature students. Text included in the lessons.

Eng C 13 E. **Grammar, Punctuation, and Usage Review.** $\frac{1}{2}$ u. 24 a. \$10.00.

Intended to give the student a review of all facts and principles of grammar that have practical application in relation to punctuation and good usage. Practice is followed by objective mastery tests, which leave no doubt as to the student's achievement.

Text: Tressler, *Grammar in Action*, rev. ed., D. C. Heath & Co., 1938.

Eng C 14 E. **Elementary Commercial English.** $\frac{1}{2}$ u. 24 a. \$10.00.

Eng C 15 E. **Elementary Commercial English.** $\frac{1}{2}$ u. 24 a. \$10.00.

For description of these courses see page 44.

LATIN

*Lat C 1 E. **Beginning Latin, Sec. I.** $\frac{1}{2}$ u. 24 a. \$10.00.

This course and Lat C 1 E are the equivalent of the regular high-school course in first-year Latin. They consist of exercises in pronunciation, drills in grammar, and the study of supplementary material, aimed to give the student an understanding of the daily life and character of the Latin people.

Text: Hettich and Maitland, *Latin Fundamentals*, Prentice-Hall.

*Lat C 1 E. **Beginning Latin, Sec. II.** $\frac{1}{2}$ u. 24 a. \$10.00.

A continuation of Lat C 1 E, Sec. I. Same text.

*Lat C 2 E. **Caesar, Section I.** $\frac{1}{2}$ u. 24 a. \$10.00.

This course and Lat C 2 E are the equivalent of the regular second-year work in Latin in high school. In addition to the reading in Caesar, there are drills and reviews in grammar. Supplementary material is included. Texts: *Caesar's Gallic War*, ed. by Gunnison and Harley, American Book Co., 1922; Allen and Greenough, *New Latin Grammar*, Ginn & Co., 1930.

*Lat C 2 E. **Caesar, Section II.** $\frac{1}{2}$ u. 24 a. \$10.00.

A continuation of Lat C 2 E, Sec. I. Same texts.

* These courses are to be revised. After Sept. 1, 1947, write for information on the new texts.

MATHEMATICS

Mth C 1 E. **Elementary Algebra, A1.** $\frac{1}{2}$ u. 24 a. \$10.00.

This course and A2 correspond to the two semesters' work in this subject offered in standard high schools. A1 covers pages 1-245 of the text. Text: Ruch and Knight, *Standard Service Algebra*, Scott, Foresman & Co.

Mth C 2 E. **Elementary Algebra, A2.** $\frac{1}{2}$ u. 24 a. \$10.00.

A continuation of A1, covering the remainder of the text. Same text as for A1.

Mth C 3 E. **Intermediate Algebra.** $\frac{1}{2}$ u. 24 a. \$10.00.

This is an intermediate course between Elementary Algebra, A2, and College Algebra. It covers the work done in the third semester of high-school algebra.

Text: Betz, *Algebra for Today*, Second Course, Ginn & Co., 1931.

Mth C 4 E. **Plane Geometry, G1.** $\frac{1}{2}$ u. 24 a. \$10.00.

The two courses in plane geometry and the one in solid geometry (G1, G2, G3) correspond to the three semesters' work in this subject offered in standard high schools.

Text: Welchons and Krickenberger, *Plane Geometry*, rev. ed., 1943, Ginn & Co.

Mth C 5 E. **Plane Geometry, G2.** $\frac{1}{2}$ u. 24 a. \$10.00.

Same text as for G1.

*Mth C 6 E. **Solid Geometry, G3.** $\frac{1}{2}$ u. 24 a. \$10.00.

This course follows directly after Plane Geometry, G2. Students who expect to specialize in mathematics, science, engineering, and architecture should take this course.

Text: Stone-Mallory, *Modern Solid Geometry*, Benj. H. Sanborn & Co.

Mth C 7 E. **Arithmetic.** $\frac{1}{2}$ u. 22 a. \$10.00.

For high-school students or adults who feel they need further study in the practical everyday problems in arithmetic. First lessons of the course deal with basic processes of arithmetic; later lessons include practical application in consumer mathematics.

Text: Bartoo and Osborn, *Home and Job Mathematics*, Webster Publishing Co., 1943.

SCIENCE

Bi C 1 E. **Biology I.** $\frac{1}{2}$ u. 24 a. \$10.00.

This course and Bi C 2 E cover the fundamental principles in plant and animal life, with special emphasis on human and everyday biology. Field work and laboratory exercises supplement the text work. Current reference material is used. A magnifying glass or access to a microscope is required.

Text: Bayles and Burnett, *Biology for Better Living*, Silver Burdett Co., 1941.

Bi C 2 E. **Biology II.** $\frac{1}{2}$ u. 24 a. \$10.00.

A continuation of Bi C 1 E, the second semester's work in biology. Same text.

* This course is being rewritten, with Welchons and Krickenberger's *Solid Geometry*, Ginn & Co., 1943, as the text. Consult the Correspondence Department, General Extension Division, before purchasing your text.

Ph C 1 E. Physics I. ½ u. 24 a. \$10.00.

The first semester of a year course in physics.

Texts: Dull, *Modern Physics*, Henry Holt & Co., 1939; Dull, *Laboratory Exercises in Physics*, rev. ed., Henry Holt & Co., Millikan, Gale, Coyle, *New Elementary Physics*, Ginn & Co.

Ph C 2 E. Physics II. ½ u. 24 a. \$10.00.

The second semester in physics; follows immediately after Ph C 1 E. Same texts.

Ph C 3 E. Elementary Physics. ¾ u. 24 a. \$13.50.

This course presents the fundamental principles of physics in an elementary manner suitable for high-school students. The course is for students who cannot do laboratory work. Prerequisites: elementary algebra and plane geometry.

Text: Millikan, Gale, Pyle, *Elements of Physics*, Ginn & Co., 1927.

Ph C 5 E. Principles of Radio. ½ u. 18 a. \$10.00.

A review of the principles of electricity, vacuum tubes, inductance and capacitance, use of test and measuring equipment, audio and radio frequency amplification, receiver circuits, and other related topics. A knowledge of general science and physics is desirable as a prerequisite. This course is in preparation. Write to the Correspondence Study Department, General Extension Division, for further information.

Text: Marcus and Horton, *Elements of Radio*, 1943 rev. ed., Prentice-Hall. *The Radio Amateur's Handbook*, 1945 ed., The American Radio Relay League, 38 LaSalle Road, West Hartford, Connecticut.

Ph C 6 E. Principles of Electricity.

A study of the fundamental laws of electricity and their practical application. This course is in preparation. Write to the Correspondence Study Department, General Extension Division, for further information.

SOCIAL STUDIES**Hst C 1 E. Civics I.** ½ u. 24 a. \$10.00.

This is the first section of a course designed to provide a general knowledge of the forms and functions of the various units of government in the United States. Current events receive special emphasis. Suitable for seniors in high school.

Texts: Magruder, *American Government*, Allyn & Bacon, 1943 or 1944; Steinberg and Lamm, *Our Changing Government*, J. B. Lippincott Co., 1943.

Hst C 2 E. Civics II. ½ u. 24 a. \$10.00.

A continuation of Hst C 1 E. Same texts.

Hst C 3 E. American History I. ½ u. 24 a. \$10.00.

This course and Hst C 4 E aim to give the student an understanding of the beginnings and growth of the United States. The first semester covers American history from its beginnings to the close of the reconstruction period following the Civil War.

Texts: Wirth, *The Development of America*, American Book Co., 1946; and Wirth, *Workbook for the Development of America*, 1945 ed., American Book Co.

Hst C 4 E. American History II. ½ u. 24 a. \$10.00.

A continuation of Hst C 3 E. The second semester covers the period in

American history from the close of the reconstruction aftermath of the Civil War to the end of World War II. Same texts as for Hst C 3 E.

Hst C 5 E. World History I. ½ u. 24 a. \$10.00.

This course and Hst C 6 E are designed to give students a knowledge of the background of history. This section deals with world history from the time of primitive man to the French Revolution.

Texts: Hughes, *The Making of Today's World*, Allyn & Bacon, 1940; Pahlow, *Man's Great Adventure*, rev. ed., Ginn & Co., 1940.

Hst C 6 E. World History II. ½ u. 24 a. \$10.00.

A continuation of Hst C 5 E, reviewing briefly world history from the French Revolution to the present. Same texts.

***Ec C 1 E. Elementary Economics.** ½ u. 25 a. \$10.00.

This course aims to stimulate accurate thinking on economic questions, to lead students to recognition and understanding of economic principles, to emphasize the interdependence of all classes of society, and to show that all aspects of man's life are interrelated. The textbook is supplemented by reading in current periodicals and by assignments of special questions and problems that may be found within the student's immediate environment.

Text: Fay and Bagley, *Elements of Economics*, Macmillan Co., 1938.

***Soc C 1 E. Social Problems.** ½ u. 24 a. \$10.00.

This course is primarily for beginners in the study of social problems. It aims to give bases for better understanding of present-day social questions. It deals with facts and with analyses of conditions. The student is encouraged to resist propaganda and to be as impartial as possible. He is asked to give authority for all important statements of fact.

Text: Hughes, *Problems of American Democracy*, Allyn & Bacon, 1940.

SPANISH**Sp C 1 E. First-Year High-School Spanish, First Semester.** ½ u. 25 a. \$10.00.

For students who are beginning the study of Spanish. This course covers lessons 1 to 25 in the text.

Text: Pittaro and Green, *Primer Curso de Español*, D. C. Heath & Co., 1938.

Sp C 2 E. First-Year High-School Spanish, Second Semester. ½ u. 25 a. \$10.00.

A continuation of Sp C 1 E., covering lessons 26 to 50 in the text.

Text: Pittaro and Green, *Primer Curso de Español*, D. C. Heath & Co., 1938.

* Ec C 1 E and Soc C 1 E, together, meet the high-school requirement in socio-economic problems. These courses are being revised. After Sept. 1, 1947, write to the Correspondence Study Department, General Extension Division, before purchasing a text.

Extension and Correspondence Services

CLASSES that combine direct methods of instruction with the correspondence method will be organized whenever there is a sufficiently large group desiring such instruction, and the necessary arrangements can be made by the General Extension Division to provide an instructor.

Requirements. Usually a class cannot be organized when the initial membership is less than twenty. A group wishing to organize should decide upon the course of study it wishes to pursue, with an alternative course in case an instructor for the first cannot be obtained. The group should put some responsible person in charge of all necessary arrangements, such as room, membership, publicity, and any other problems that arise in connection with the organization of a class. A reasonable degree of permanency in class membership will be expected by the General Extension Division, since satisfactory work cannot be done when the personnel of the group is constantly changing.

Either credit or noncredit courses will be given to classes meeting regularly and following a definite course of study under the direction of an instructor provided by the General Extension Division.

Applications. Applications for extension classes outside of Portland should be made to the General Extension Division, Oregon State System of Higher Education, Eugene, Oregon. Applications for classes in or near Portland should be made to the Portland office of the General Extension Division, 207 Education Center Bldg., 220 S. W. Alder St., Portland 4, Oregon.

STUDY COURSES FOR CLUBS

The General Extension Division invites women's clubs, teachers' study clubs, granges, and other groups of persons whose common interest in some subject makes group study desirable to use correspondence courses as study outlines. The careful organization of the course outlines, the many references for supplementary reading, and the lesson questions, which are well adapted to group discussion, make many of the correspondence courses excellent aids to group study.

Groups wishing to use a course outline in this manner may enroll as a group in the name of the secretary or leader of the group and pay only one registration fee. Such registration entitles the group to one complete set of the lesson outlines and the privilege of submitting one written report on each lesson. Such a report should represent the conclusions of the group as determined by general discussion of the members. Members of the group who wish to secure credit for their work may enroll individually, submit their own reports on each assignment, and fulfill all other requirements of the course. Such members should find the group discussions of special value and interest in connection with their work.

Questions concerning this group-study plan should be addressed to the Correspondence Study Department, General Extension Division, Eugene, Oregon.

PUBLICATIONS OF THE GENERAL EXTENSION DIVISION

The General Extension Division issues the following publications, copies of which will be mailed upon request:

CORRESPONDENCE STUDY CATALOG

Persons desiring to register for correspondence courses should write for the latest catalog, to General Extension Division, Oregon State System of Higher Education, Eugene, Oregon.

STATE-WIDE EXTENSION CLASSES LEAFLET

Address General Extension Division, Oregon State System of Higher Education, Eugene, Oregon.

CATALOG OF VISUAL INSTRUCTION AIDS

Lists a large number of 16 mm. and 35 mm. silent and sound films and both glass and film slides, together with service or rental fees. It may be secured by addressing Department of Visual Instruction, Oregon State System of Higher Education, Corvallis, Oregon.

CATALOG OF PORTLAND EXTENSION CENTER

Lists the courses offered at the Portland Center during the regular collegiate year. Write to Portland Extension Center, 207 Education Center Bldg., 220 S. W. Alder St., Portland 4, Oregon.

ANNUAL HANDBOOK OF OREGON HIGH SCHOOL SPEECH LEAGUE

Contains the list of district directors, the constitution and bylaws of the League, and information concerning state high-school speech contests. Address General Extension Division, Oregon State System of Higher Education, Eugene, Oregon.

TEACHER'S BROADCAST GUIDE, SCHOOL OF THE AIR, KOAC.

An aid to teachers whose classes listen to the School of the Air program. Address Radio Station KOAC, Corvallis, Oregon.

KOAC RADIO PROGRAM

The regular program, published quarterly during the school year. Address Radio Station KOAC, Corvallis, Oregon.

GENERAL EXTENSION JOURNAL

A news sheet published quarterly for the students of the General Extension Division. Address General Extension Division, Oregon State System of Higher Education, Eugene, Oregon.

CATALOG OF PORTLAND CENTER SUMMER SESSION

Address Director, Portland Center Summer Session, 207 Education Center Bldg., 220 S. W. Alder St., Portland 4, Oregon.

Make postal orders, express orders, and bank drafts payable to the General Extension Division, and send application to the General Extension Division, Oregon State System of Higher Education, Eugene

Application for CORRESPONDENCE COURSES

Name in full.....
(Mr., Mrs., or Miss)

Address

Have you ever before registered for a correspondence course with this Extension Division?

Occupation Age Years

Amount of high school work completed and where.....

Amount of college, university, or teachers' college work completed and where.....

What degree, if any, do you hold?.....

What institution of higher education in Oregon do you expect to enter?.....

What subject do you expect to make your major?.....

What is your object in taking this course?.....

What preparation for it have you had?.....

Do you desire credit?.....

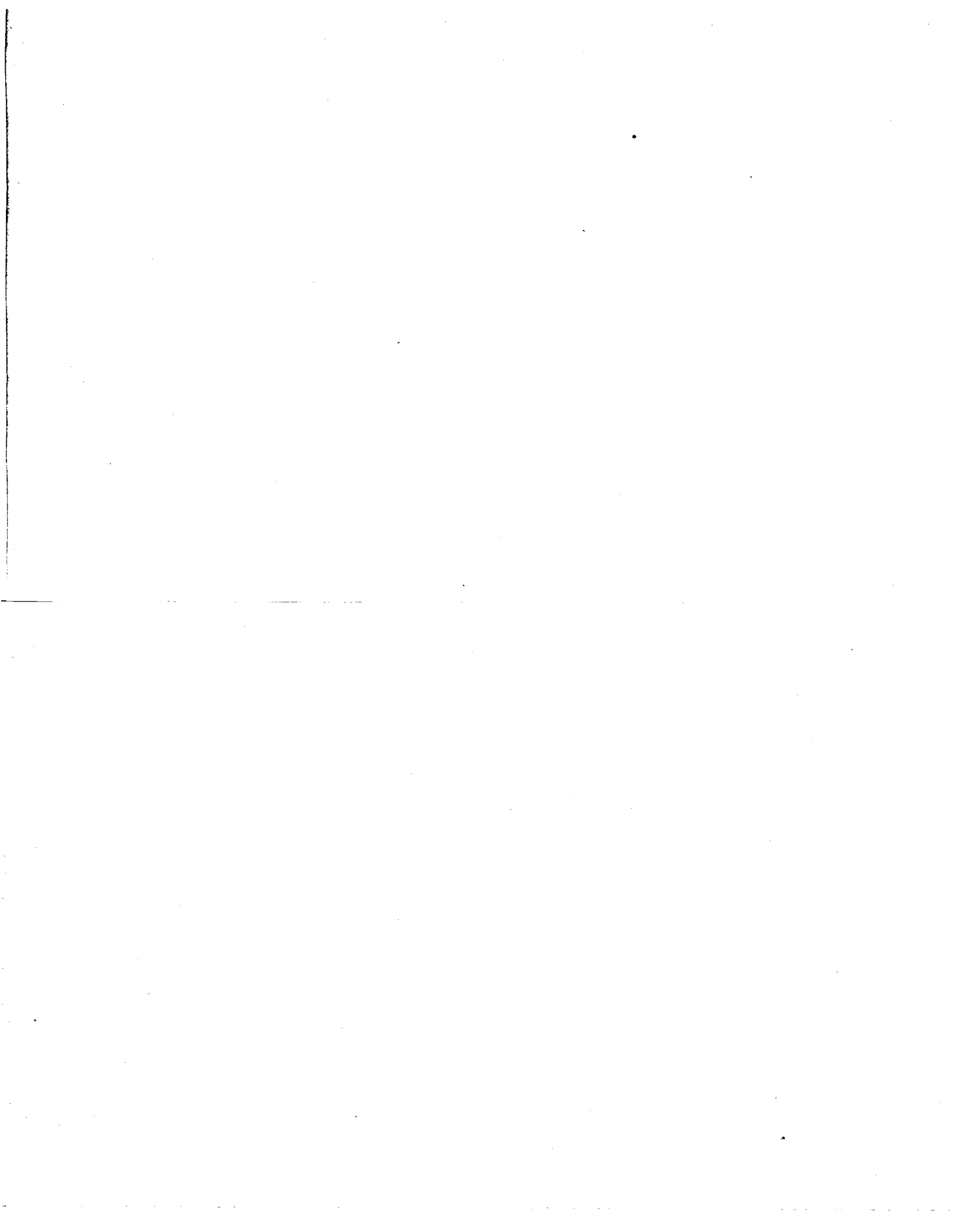
To what libraries do you have access?.....

Correspondence Course Desired

Name of Course	Term Hours Credit	Amount of Fee
.....	\$.....
.....	\$.....
.....	\$.....

Amount enclosed for texts and supplies..... \$.....

Total amount enclosed..... \$.....



GENERAL EXTENSION DIVISION

The General Extension Division of the Oregon State System of Higher Education is the agency through which the University of Oregon, Oregon State College, and the three Oregon Colleges of Education render general extension services to the state through the following departments of the Division: Correspondence Study and State-Wide Extension Classes, Eugene; Visual Instruction and Radio Station KOAC, Corvallis; In-Service Extension Education, Monmouth; Portland Extension Center, 207 Education Center Building, 220 S. W. Alder, Portland.

PORTLAND EXTENSION CENTER

Approximately one hundred and fifty evening courses, and some late afternoon and Saturday morning courses, are offered in Portland in the following departments, divisions, and professional schools:

Art	Journalism
Bacteriology	Landscape Architecture
Business Administration	Mathematics
Chemistry	Music
Chinese	Nursery School Training
Drama	Nutrition
Economics	Physical Education
Education	Physics
English	Portuguese
Entomology	Psychology
French	Public Speaking
General Studies	Russian
Geography	Sociology
German	Spanish
History	Zoology
Home Economics	

STATE-WIDE EXTENSION CLASSES

Evening courses are offered in about ten cities of Oregon each year. Localities interested in becoming extension centers should address the General Extension Division, Eugene.

Oregon State System
of Higher Education
B U L L E T I N

Number	Issued	Sept.
171	Monthly	1946

Entered as second-class matter December 24, 1932, at the postoffice at Eugene, Oregon, under Act of August 24, 1912 with points of additional entry at Ashland, Corvallis, La Grande, and Monmouth.

Published by
Oregon State Board of
Higher Education