

THE UNIVERSITY OF
OREGON

EUGENE

PORTLAND



THE SUMMER SESSIONS

EUGENE *and* PORTLAND

June 23—August 1

ANNOUNCEMENTS

1924

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THE SUMMER SESSIONS

INTRODUCTORY

The twentieth annual summer sessions of the University of Oregon will be held simultaneously on the campus at Eugene and in the Portland Center, beginning immediately after commencement and continuing for six weeks.

On the campus at Eugene, emphasis will be placed upon courses of specialized, advanced and graduate character wherein the libraries and laboratories of the University can be utilized fully. In the Portland Center courses of more general character will be offered, reference work being done in the Multnomah County Library. This differentiation does not mean that there will be no elementary courses at Eugene and no advanced courses at Portland. It means, rather, that elementary courses will be offered at Eugene only in those subjects in which the demand is heavy or the need for the specialized facilities evident; and that advanced work in Portland will be restricted to courses in which large enrollment can be predicted.

REGISTRATION

Registration for the sessions will take place in Eugene and Portland on Monday, June 23. The registration fee for the summer session is twelve dollars and fifty cents (\$12.50). In most of the laboratory courses there is a moderate laboratory fee to help defray the cost of materials and upkeep of equipment. The amounts of these fees will be given in the schedule of courses distributed at the opening of the session.

The student may carry the amount of work necessary to earn nine term-hours of credit during a six weeks session.

REQUIREMENTS FOR ADMISSION AND DEGREES

The only requirement for admission to the summer session is ability to do the work.

Admission to Work for a Degree—Students who wish to become candidates for a degree from the University must satisfy the regular university entrance requirements. Credentials consisting of the transcripts of the high school or preparatory work of such students should be filed with the registrar of the University as early as possible before the opening of the session.

Entrance Requirements—For entrance to the University the student must present 15 units of high school work, of which ten are from selected subjects as follows:

Algebra	1	History	1
Geometry	1	Science (with laboratory)	1
One foreign language	2	Additional unit in any subject in this	
English	8	group	1

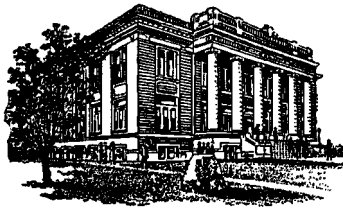
Elective units to the amount of five are permitted, but no credit is granted for drill, spelling, penmanship, physical training, or for work which may be classed as largely or purely a student activity.

Advanced Standing—Advanced standing will be given students coming from institutions of collegiate rank, who can satisfy the committee on advanced standing that the courses offered are equivalent to those given by the University. All applicants for advanced standing must present complete official transcripts covering both their high school and college records, and a letter of honorable dismissal. The committee will meet to consider petitions for advanced standing in the first week in July.

Residence Requirements for Degrees—Persons actively engaged in the teaching profession may fulfil the residence requirements of the University for a degree by completing work at five summer sessions, aggregating at least 45 term hours.

Further information concerning admission and graduation requirements may be obtained from the registrar of the University.

Advanced Degrees—Students seeking advanced degrees should file their credentials with the registrar of the University for the consideration of the Graduate Council at an early date, and should as soon as practicable, draw up a tentative programme of work leading to the degree for submission to the Council.



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GRADUATE WORK

Special consideration is given to the requirements of graduate students in planning the work of the campus summer session. A number of courses are offered which are open to graduate students only. Many of the upper division courses are so arranged that they may be used for graduate credit. The visiting members of the summer session faculty are selected for the stimulus which they can bring to the graduate work. In most departments the summer courses are arranged in two or three year sequences. Qualified students doing advanced or graduate work may, by special arrangement with their instructors, continue independent study for an additional six weeks in the library or the laboratories of the University.

Some advanced courses in the Portland Center may by special arrangement be used for graduate credit.

All students contemplating graduate work in the summer session should see the regulations concerning graduate study published in the bulletin of the graduate school (to be had upon application to the Registrar.)

THE TWO SESSIONS

Description of the courses given by the University in the summer will be found under two headings. The first section is devoted to the session on the campus at Eugene, and the second section to the work offered in Portland.

THE CAMPUS SESSION

THE FACULTY

✓ PRINCE L. CAMPBELL, LL.D.	President of the University
✓ GEORGE REBEC, Ph.D.	Dean of the Graduate School
✓ CARLTON E. SPENCER, B.A., LL.B.	Registrar of the University
✓ M. H. DOUGLAS, M.A.	University Librarian
✓ FRED L. STETSON, M.A.	Director of the Campus Summer Session
✓ ERNEST S. BATES, Ph.D.	Professor of Philosophy and Contemporary Literature
✓ ANNA LANDBURY BECK, B.A.	Professor of Public School Music
✓ L. L. BURLINGAME, Ph.D.	Associate Professor of Botany, Leland Stanford University
✓ ALBERT E. CASWELL, Ph.D.	Professor of Physics
✓ DAN E. CLARK, Ph.D.	Associate Professor of Political Science
✓ TIMOTHY CLORAN, Ph.D.	Professor of Romance Languages
✓ EDGAR E. DECOU, M.A.	Professor of Mathematics
✓ VIRGIL D. EARL, B.A.	Director of Athletics
✓ THOMAS D. ELIOT, Ph.D.	Associate Professor of Sociology, Northwestern University
✓ CHARLES E. FRANSEEN, B.A.	Instructor in Education
✓ JAMES H. GILBERT, Ph.D.	Professor of Economics
✓ HENRIETTE GOUY, B.A. Brevet Superieur, University of Marseilles	Instructor in Romance Languages
✓ SAMUEL B. HARDING, Ph.D.	Professor of History, University of Minnesota
✓ BENJAMIN HORNING, M.S.	Assistant Professor of Zoology
✓ ELBERT L. HOSKIN, B.S.	Assistant Professor of Education
✓ MILDRED LE COMPTE	Assistant in Physical Education
✓ WILLIAM K. LIVINGSTON, M.A., M.D.	University Physician
✓ CECILE MCALISTER	Instructor in Psychology
✓ E. D. MCALISTER, B.A.	Assistant in Physics
✓ MABEL E. MCCLAIN, B.A., B.S.	Circulation Librarian, University Library
✓ WILLIAM E. MILNE, Ph.D.	Professor of Mathematics
✓ DELBERT H. OBERTEUFFER, B.A.	Instructor in Physical Education
✓ EARL L. PACKARD, Ph.D.	Professor of Geology
✓ BARBARA PAGE	Instructor in Physical Education
✓ FERGUS REDDIE, B.A.	Professor of Drama and the Speech Arts
✓ WILLIAM REINHART	Instructor in Physical Education
✓ FRIEDRICH G. G. SCHMIDT, Ph.D.	Professor of Germanic Languages and Literature
✓ H. D. SHELDON, Ph.D.	Professor of Education
✓ FREDERICK L. SHINN, Ph.D.	Professor of Chemistry
✓ J. DUNCAN SPAETH, Ph.D.	Professor of English, Princeton University
✓ MARTHA E. SPAFFORD, B.A.	Continuation Cataloguer, University Library
✓ PETER L. SPENCER, B.S.	Instructor in Education
✓ ORIN F. STAFFORD, M.A.	Professor of Chemistry
✓ F. L. STETSON, M.A.	Professor of Education
✓ W. F. G. THACHER, M.A.	Professor of English
✓ GEORGE TURNBULL, B.A.	Professor of Journalism
✓ CARLTON W. WASHBURN, M.A.	Superintendent of Schools, Winnetka, Ill.
✓ EMMA E. WATERMAN, B.A.	Assistant Professor of Physical Education
✓ MARIAN P. WATTS, B.A.	Reference and Periodical Librarian, University Library
✓ ROGER J. WILLIAMS, Ph.D.	Associate Professor of Chemistry
✓ C. H. WOODY, M.A.	Assistant Professor of American History, State College of Washington
✓ KIMBALL YOUNG, Ph.D.	Assistant Professor of Psychology

CALENDAR

Registration for the campus session will be on Monday, June 23, beginning at 8 o'clock in the morning. Classes will begin Tuesday, June 24. Examinations will take place on Friday, August 1.

The regular session will end on August 1, but arrangements may be made to permit regularly enrolled summer session students in some courses the use of the laboratories and the library for research work, or special study, and on the approval of their major professors credit for this work may be allowed.

TYPES OF WORK OFFERED

Specialized Work—Emphasis is placed upon specialized, advanced and graduate work. The well-equipped, scientific laboratories and the University library of more than one hundred and thirty thousand volumes,

will enable the faculty to offer to students of real ability, thorough preparation, or especial interests, excellent facilities for research, experiment, and intensive study.

Graduate Study—Practically all departments offering summer work provide courses which may be taken for graduate credit. Many of the departments are prepared to give very close attention to the needs of individual graduate students. The summer session offers many advantages for graduate study.

GRADUATE ADVISER

The dean of the graduate school, Dr. George Rebec, will be on the campus on Monday, Tuesday, Wednesday and Thursday of the first week to advise graduate students who are in doubt as to the selection of their major and minor subjects, or who wish information concerning the policies of the graduate school not readily obtainable from the office of the registrar.

Graduate study cards will be signed by Dr. Rebec as well as the major professor.

THE SUMMER FACULTY

Certain members of the University faculty have been invited to teach in the campus summer session. Their scientific attainments and teaching ability and their knowledge of the problems of secondary and higher education in Oregon especially qualify them to direct the study and research of summer students. In addition a carefully selected group of instructors from other states will offer courses.

ASSEMBLY

A daily assembly lecture at 11, provides a center for much of the organized life of the summer session. During the summer of 1924, lectures will be given by a number of the University faculty and by noted visiting instructors. The speakers will include Dr. Spaeth, Superintendent Washburne, Dr. Harding, Dr. Burlingame, Dr. Sheldon, Dr. Gilbert, Dr. Bates, and Professor Thacher.

THE SCHOOL OF EDUCATION

Methods Courses and Demonstration Classes—As a special feature for junior and senior high school teachers, the School of Education will give several courses in methods of teaching in secondary schools. In order to make these courses of as much practical value as possible, a ninth grade class in the University high school, adjacent to the education building, will be conducted through the summer session for observation purposes. This class will meet each morning from eight to eleven, and will be in charge of the members of the school of education faculty who offer courses in methods of teaching high school subjects.

Students who enroll in the methods classes will be expected to make regular observations in the accompanying high school classes, thus affording a very practical basis for discussions of method, as well as an excellent opportunity to correlate theory and practice.

Exhibit of Educational Materials—Through the kindness of various publishing houses the department of education has secured a large collection of junior and senior high school texts representing nearly all the high school subjects and showing the recent developments in each field.

This collection, together with a number of recent professional books, will be on display for several days during the summer session. Visual aids to instruction will also be demonstrated and the use of the phonograph and other devices in the teaching of foreign language will be illustrated.

Appointment Bureau—The school of education maintains an appointment bureau primarily to assist its own graduates in securing suitable teaching positions. The services of this bureau are also extended to other teachers who have been connected with the University, including the students of the summer sessions. Every possible assistance is given in aiding teachers to secure positions, and in serving superintendents by bringing desirable candidates to their notice. Last year the recommendation of the University was asked to fill over 360 vacancies, including 50 calls for superintendents and principals. In a number of cases no qualified candidate could be recommended. Salaries ranged from \$125 per month to \$3000 per year.

Educational Conference—The annual conference of superintendents and principals will be held on the campus Friday and Saturday, June 27 and 28. The programs of these conferences are centered about special educational problems each year and there is an extensive participation by school men from all parts of the state. The program for the 1924 conference, to be announced soon, will include addresses by Superintendent Washburne, and Dean H. D. Sheldon, as well as by representative public school men of Oregon.

RECREATIONAL OPPORTUNITIES

While the summer session is primarily for serious study, ample facilities are provided for recreational activities, both for pleasure and as a means of maintaining physical and intellectual vigor. These include both sports on and near the campus, and week-end outings. Students should bring their own equipment, such as tennis racquets, golf sticks, bathing suits and old clothes for outings. Each week-end there will be a "hike" of some kind for those who enjoy this sort of recreation. Announcements of recreational plans will be made at the daily assemblies, and by posters on the campus.

BOARD AND ROOM

Susan Campbell Hall will be the hall of residence for women again this summer. The hall is built in three units, each containing nine suites and three baths, with tubs and showers. Each suite, which will accommodate two or three women, is composed of a study, a dressing room with closets, and a sleeping porch. An abundance of light and air, attractive furnishings and hot and cold water in each dressing room are only a part of the conveniences of the hall of residence. Bedding will be furnished, but towels must be provided by the individual student.

Friendly Hall, well known to all men who have visited the campus as the men's dormitory, will be open to men students. Those who have had rooms in this building in the past know how convenient are its accommodations. Towels will not be furnished, but must be provided by the individual.

Thacher Cottage—Rooms for married couples may be reserved at Thacher Cottage, a residence situated on Onyx street near 13th, slightly over a block from the campus.

Meals will be served to both men and women in the dining room of Friendly Hall. Those who room at the dormitories will be expected to take their meals at Friendly Hall, or to pay a higher rental for their rooms. This is necessary as the dormitories are run absolutely at cost.

Rates—Rates for board and room together will be \$9 per week; for board alone, \$7 per week. Board will be available to a limited number of students who do not live at the dormitories.

Reservation for residence in either hall should be addressed to the Comptroller, University of Oregon, Eugene.

Private houses—A number of excellent private boarding and rooming houses will also be open to students.

A list of such places may be secured by the incoming students from Mrs. Charlotte Donnelly, University Y. M. C. A., who will handle the rooming places both for men and women. Suites of rooms, flats and furnished cottages suitable for light housekeeping may also be secured, but should be arranged for well in advance, if possible.

Description of Courses

In the following description of courses the general character of each course is indicated by its number.

Courses numbered from 1 to 99 are commonly called lower division courses, and are primarily intended for students in the earlier years of a college course.

Courses numbered from 100 to 199 are upper division courses, intended for advanced undergraduates, but usually acceptable for graduate credit, when supplemented by additional assignments of work.

The courses numbered from 200 are primarily for graduate students, and are open to advanced undergraduates only by permission of the instructor. The graduate council requires the inclusion of some courses of this character in the program of each candidate for the master's degree.

All classes meet daily, and carry three hours of credit, except as otherwise explicitly stated. The hours noted after the course descriptions represent the term-hours of university credit which may be earned.

A small "s" following the course number indicates that the course is substantially the same as the course given in one of the regular terms of the academic year.

BIOLOGY

Professor BURLINGAME—Assistant Professor HORNING

LOWER DIVISION

8s. *Elementary Physiology*. A course in human physiology for general students. No prerequisites. Lectures, recitations and demonstrations. Horning. Daily at 9. *Three hours.*

12s. *Heredity*. Lectures dealing with the laws and mechanism of heredity. The laws will be illustrated by numerous experiments from both animal and plant breeding. The mechanism will be discussed chiefly from the researches on the vinegar fly. Open to students who have had a first course in botany, zoology, or general biology. Burlingame. Daily at 10. *Three hours.*

21s, 121s. *General Biology for Teachers*. Lectures (and conferences) dealing with the phases of biology which are of chief importance to practical every day life and are at the same time most interesting. For the teacher it will attempt, by conferences, to indicate the most

suitable subject matter for high school use and to elaborate the guiding principles in choosing and arranging such material. Lectures open to all; conferences for teachers in service. Burlingame. Daily at 8.

Three hours.

GRADUATE DIVISION

203s. *Biological Research*. Opportunity will be given properly qualified students to carry on advanced work and research in plant morphology, cytology and genetics. Registration after consultation either by mail or in person. Burlingame. *Hours to be arranged.*

CHEMISTRY

Professor STAFFORD or Professor SHINN, Associate Professor WILLIAMS

The department offers a minimum amount of work in the fundamental elementary courses as listed below, designed particularly to meet the needs of high school teachers and medical students.

Undergraduate chemistry majors can do work advantageously only in course 3a.

In addition to the elementary courses opportunity is given graduate students to do work on a thesis for the master's degree. The summer session is especially suited for such work on account of the relatively smaller enrollment in the summer courses thus releasing plenty of space and abundance of laboratory facilities for graduate work, as well as permitting the instructors to devote more personal attention to the research students than would otherwise be possible.

LOWER DIVISION

1s. *General Chemistry*. The fundamentals of the subject are treated as fully as time will permit. Attention is given to class room demonstrations and methods of presentation both in class and laboratory. Two hours lecture or recitation and one three-hour laboratory period daily, including two or three Saturdays, during the term. *Nine hours.*

3s. *Analytical Chemistry*. Qualitative or quantitative analysis as the student may elect. A term's work in qualitative analysis should precede work in quantitative analysis. One or two recitations per week with daily laboratory work forenoons and afternoons. Credit to a maximum of nine hours may be earned.

4s. *Organic Chemistry*. A brief course suited to the needs of any one wishing an introduction to the subject. It is especially designed for pre-medical students. Two lectures or recitations and one three-hour laboratory period per day throughout the session. *Eight hours.*

UPPER DIVISION

116s. *Physical Chemistry*. An introductory course, suitable for teachers, science majors and medical students. Six lectures and two laboratory periods per week. Daily at 8. *Four hours.*

GRADUATE DIVISION

201s. *Thesis*. Such work includes, besides the laboratory work, a search of the literature for data on some problem in chemistry which gives the student opportunity to acquaint himself with the chemical journals and to acquire facility in locating published material. Other as-

signed reading and oral reports will be required so that the student will be expected to spend his entire time in chemistry. A reading knowledge of German or French is practically indispensable. *Hours to be arranged.*

DRAMA AND THE SPEECH ARTS

Professor REDDIE

UPPER DIVISION

101. *Stagecraft.* A course in the study of scenic effects. Adapted to the needs of those who are interested in high school, college or community drama, as well as those who, as writers of plays or teachers of English literature, require an intimate acquaintance with the mechanical problems involved in the development of dramatic themes and their correct relation to and dependence upon the same. Daily at 9. *Three hours.*

151s. *Technique of Acting.* For advanced students of interpretation or others who, in the opinion of the instructor, are duly qualified for this work. Limited enrollment. In this group especial stress will be placed on finished forms of speech, gesture and interpretation through and by these media. Individual criticism. Methods of great actors will be discussed. Daily at 10. *Three hours.*

ECONOMICS

Professor GILBERT

LOWER DIVISION

3s. *Principles of Economics.* A brief survey of fundamental principles with some study of practical problems such as the tariff question, railway and trust problems and labor organizations and policies. Daily at 8. *Three hours.*

UPPER DIVISION

113s. *Banking and Crises.* A study of principles underlying banking practices and operations, the national banking and federal reserve systems and a study of theory, history and remedies for crises and panics. Prerequisite, course in economic principles. Daily at 10. *Three hours.*

141s. *Conservation of Natural Resources.* A study of conservation policies as applied to soil, timber, water and mineral resources with special reference to problems of Oregon and the Pacific Coast region. This course is intended for a select group of advanced students who want a reading and discussion course with large opportunities for independent work on the part of the student. Daily at 9. *Three hours.*

EDUCATION

Dean SHELDON, Superintendent WASHBURNE, Professor STETSON,
Assistant Professor HOSKIN, Mr. FRANSEEN, Mr. SPENCER

LOWER DIVISION

51s. *Principles of Education.* A study of the fundamental facts underlying education from a biological, psychological, and social point of view. In this course a special effort will be made to study the significance of education from an individual point of view. The course is intended for undergraduate students of the University and for teachers in service. Sheldon. Daily at 1. *Three hours.*

53s. *Educational Psychology.* A general survey of human behaviour with special reference to features of importance in education. Some of the topics considered are: original native tendencies; individual differences; learning and forgetting; transfer of training; mental and educational measurements and their value in modern school procedure. Spencer. Daily at 9. *Three hours.*

UPPER DIVISION

103. *Adapting Public Schools to Individual Differences.* A discussion of the differences shown by achievement and intelligence tests to exist among individuals in any class, and a description of various efforts to adapt public schools to these differences. Early experiments such as the Pueblo and Batavia plans and the more recent work of Burk, Sutherland and Mackinder. Discussion of the Dalton plan and various attempts at grouping, and a detailed study of the Winnetka technique of individualized instruction. A practical course leading to direct plans by students for the individualization of the work of their own schools, these plans to be discussed in class. Washburne. Daily at 10. *Three hours.*

104. *Scientific Curriculum Building.* An analysis will be made by the class of experiments to determine elementary and high school curricula in terms of social needs. The course of study will be outlined, showing which parts are based on investigation and which parts on theory. The class will work out the plan of attack on some phase of the curriculum that has not yet been scientifically organized. The course should lead both to a better appreciation and evaluation of curricula and text books and to an effort on the part of each member of the class to reorganize his own course of study in terms of research. Washburne. Daily at 9. *Three hours.*

Each of the following three courses, 109s, 111, and 112 will be accompanied by a demonstration class in the University High School. Students enrolling for any of these courses should plan their programs to include the observation of demonstration teaching in that field.

109s. *The Teaching of Science.* A critical review of secondary science courses and methods and an attempt to show how the function of science in the life of man affects the method and content of science teaching. Especial attention will be paid to the effect on classroom and laboratory arrangement and procedure of the newer methods of teaching, as the problem method, supervised study, and the socialized recitation. Hoskin. Daily at 1, observation at 10. *Three hours.*

111. *The Teaching of Literature.* Aims of study of literature in high school; principles governing choice of material; presentation of different types; supervised study in literature; class dramatization; outside reading interests; correlation of literature with composition. Franseen. Daily at 2, observation at 9. *Three hours.*

112. *The Teaching of Mathematics.* Deals with actual school room procedure in the teaching of secondary mathematics. Considerable time will be devoted to methods of diagnostic testing and remedial teaching. The report of the National Committee for the Reorganization of Secondary Mathematics will be used extensively. Spencer. Daily at 3, observation at 8. *Three hours.*

159. *Educational Reformers of the Present.* A rapid review of the ideas of leading educational thinkers of today in the field of philosophy of education. The educational ideas of John Dewey, Madame Montessori, Count Leo Tolstoy, Rabindranath Tagore, H. G. Wells in his Sanderson of Oundle, and other contemporary educational literature. This course is intended for teachers and superintendents of maturity and for graduate students. Sheldon. Daily at 2. *Three hours.*

172s. *Educational Tests and Measurements.* The uses, limitations, and possibilities of various types of standard school achievement tests and scales, based on an analysis of representative tests in elementary and secondary school subjects. The technique of giving and scoring, simple statistics, interpretation and use of data. A practical course designed to aid superintendents, principals, supervisors, and teachers interested in the measurement and improvement of teaching. Franseen. Daily at 8. *Three hours.*

185. *Modern Secondary Education.* The analysis of a number of problems in organization, administration, and supervision will be made the basis for discussion of current secondary school theory and practice. Typical problems will deal with aims, standards, curriculum, schedule making, classification and guidance of pupils, control and discipline, supervision of instruction and of study, extra-curricular activities, and school publicity. For teachers and administrators. Stetson. Daily at 8. *Three hours.*

GRADUATE DIVISION

217. *Research Problems in School Administration.* Individual investigations or special problems in the field of administration and supervision. Open to students of extended training and experience. Washburne. Time to be arranged. *Two or three hours.*

225. *Seminar. Educational History of Oregon.* Each student in this course will work up a topic bearing on the educational history of the state or the University. The materials will be on hand at the beginning of the course in a separate room. The course will be an introduction to historical research in the field of education and will be open only to graduate students. Sheldon. Daily at 3. *Three to six hours.*

ENGLISH

Professors BATES, SPAETH, THACHER

LOWER DIVISION

57s. *Short Story Writing.* A course designed to develop proficiency in the art of writing fiction, including lectures on the technique of the narrative, an examination of specimen short stories, and the production of original short stories by members of the class. Thacher. Daily at 10. *Three hours.*

76. *Interpretative English.* This is a course in verbal expression, both oral and written. There will be a minimum of theory and a maximum of practice in writing on a wide variety of subjects, and the reading of these products and other selections. Thacher. Daily at 8. *Three hours.*

UPPER DIVISION

107s. *Authorship.* Special criticism and coaching for writers who have attained some proficiency and are ambitious to enter the professional field. Thacher. *Hours to be arranged.*

114. *Makers of American Ideals.* A study of some of the main aspects of America's cultural inheritance in the field of religion, morals, politics, and literature, and of the specific modification of this inheritance by leading Americans. Benjamin Franklin and Jonathan Edwards, Common Sense and Puritan Conscience; Thomas Paine, Political Radicalism; Thomas Jefferson, Political Liberalism; Alexander Hamilton, Political Realism; the frontier in American life; the New England humanists, Emerson, Hawthorne, Lowell; Abraham Lincoln, Human Equality and National Union; Walt Whitman, Democracy and Nationalism. Lectures, assigned collateral reading, and essays. Spaeth. Daily at 9. *Three hours.*

134. *Northern Epics.* A study of the Epic legends and literature of the north. The Old English Beowulf, The Nibelungen cycle, including the Volsunga saga, the Eddie poems, and the Nibelungenlied. The Northern Epic in modern literature and art; William Morris, Sigurd the Volsung, Wagner's Nibelungen trilogy. Lectures, assigned papers. The main sources may be read in translations. Spaeth. Daily at 10. *Three hours.*

164. *Contemporary European Writers.* Bates. Daily at 1. *Three hours.*

204. *Research and Thesis.* Bates *Hours to be arranged*

GRADUATE DIVISION

234. *Northern Epics Seminar.* Students in this course must enroll for course 134. Spaeth. *Hours to be arranged.*

GEOLOGY

Professor PACKARD

170. *Advanced Field Geology.* Detailed field study of an area near Ashland, Jackson county, Oregon, lying within the Klamath peneplain, which affords a wide range of geologic features ranging in age from the paleozoic to the recent. The older systems include a large series of interesting metamorphic and igneous types of rocks. The marine Cretaceous, and the early Tertiary terrestrial formations contain an abundance of invertebrate and plant fossils, and the pleistocene deposits have yielded interesting specimens of mammals.

The party will operate from camps. The expenses consist of transportation to Ashland, and the cost of the side trip to some point of geologic interest together with the cost of subsistence, the latter probably not exceeding \$25.00 for the four weeks.

Open only to advanced students in geology. Enrollment limited to twelve. *Seven hours.*

GERMAN

Professor SCHMIDT

Of the following courses two or three will be given, selection to be determined according to demand.

LOWER DIVISION

1s. *Elementary German.* Vos's Essentials of German (fifth edition, Henry Holt and Company). Especially intended for students who wish to acquire within a short time a reading knowledge of the language for scientific purposes or who wish to review the essentials. Students suc-

cessfully finishing the course can continue the work by correspondence or by entering the second term of German in the University. Daily at 8.
Three hours.

UPPER DIVISION

105s. *Modern German.* (Fiction and Drama) Hauptmann, Sudermann, Wildenbruch, Fulda, Frenssen, Halbe, etc. Daily at 10.
Three hours.

133s. *German Literature.* A brief survey of German literature, especially the classical period, the romantic school and the modern storm and stress. Reading of masterpieces. The work will be adapted to the preparation of the students who may elect the course. Daily at 9.
Three hours.

GRADUATE DIVISION

206s. *German Seminar.* For advanced undergraduates and graduates, especially for major students. Adapted to the needs of students electing the course.
Hours to be arranged.

HISTORY

Professor HARDING, Associate Professor CLARK

LOWER DIVISION

63s. *British History in the 19th Century.* Textbook discussions, lectures, and term reports on the political and social history of Britain and the British Empire from the end of George III's personal government to the eve of the World War. Harding. Daily at 9.
Three hours.

73s. *Recent History of the United States.* Covers the period since 1877. Emphasis will be placed on economic development, immigration, problems of capital and labor, international relations, political issues and leadership, governmental developments, and general social movements. For teachers of history and government and others interested in the background of current problems in the United States. Clark. Daily at 8.
Three hours.

UPPER DIVISION

145. *Period of the Reformation.* Causes of religious unrest; the Lutheran revolt; the Zwinglian and Calvinistic reforms; the Protestant movement in other countries; the more radical reformers; the Council of Trent and the Counter-Reformation. Textbook discussions, lectures, and term reports. Harding. Daily at 10.
Three hours.

179. *The West in American History.* A topical study of the westward movement and of the general significance of the West in American history. Deals with such topics as explorations, the fur trade, the military frontier, the settlement of the West, Indian affairs, public land policy, and internal improvements. Students will read first-hand accounts of western development written by explorers, traders, and pioneers. Clark. Daily at 9.
Three hours.

GRADUATE DIVISION

203. *Methods of Historical Research.* A seminar for advanced students of history who have had adequate preparation. Methods of research will be applied to special topics in American history. Clark. Tuesdays and Thursdays at 2.
Two hours.

271. *Adoption of the Federal Constitution in the United States.* A seminar course consisting of introductory lectures by the instructor and research investigations by the students on selected topics dealing with the formation and ratification of the Federal Constitution. Two-hour sessions, once a week. Conferences. Open only to advanced students in history. Harding. Wednesday at 2.
Two hours.

JOURNALISM

Professor TURNBULL

LOWER DIVISION

1s. *Elementary Newswriting.* A first course in newswriting. Newspaper organization; principles of reporting. Opportunity will be afforded for practical work on the summer session newspaper. Intended for those with no previous journalistic experience and no college work in journalism. Tuesday and Thursday at 8.
One hour.

UPPER DIVISION

118s. *Reporting and Copyreading.* Open to students with newspaper experience or with a background of elementary newswriting. Reporting, headwriting, and copyreading will be done on the summer session newspaper. Daily at 9.
Three hours.

LIBRARY METHODS

Mr. DOUGLASS, Mrs. McCLAIN, Miss SPAFFORD, Mrs. WATTS

These courses are designed to meet the needs of student assistants in the Library, librarians of small libraries, teachers and library users.

1. *Elementary Course in Classification and Cataloguing.* A laboratory course. There will be a study of the Dewey decimal system of classification and of the various types of card catalogue entry. Spafford. Daily at 1.
Three hours.

2. *Book Selection.* A course designed to give a general survey of the best books and authors in various fields of writing and the sort of training that will be useful to attendants at the circulation desk. McClain. Daily at 10.
Three hours.

3. *The Use of the Library and Elementary Bibliography.* There will be consideration of the use of the card catalogue, periodical indexes, reference books, special bibliographies, trade tools, etc. Douglass, Watts and the staff. Daily at 9.
Three hours.

MATHEMATICS

Professors DeCOU, MILNE

LOWER DIVISION

*2s. *Advanced Algebra.* After a brief review of fundamental topics, quadratics, progressions, logarithms, series and other selected topics will be studied. This course prepares for plane trigonometry or mathematics of finance. DeCou. Daily at 9.
Three hours.

*3s. *Plane Trigonometry.* Pre-supposes a good knowledge of algebra through quadratic equations. DeCou. Daily at 9.
Three hours.

*61s. *Differential and Integral Calculus*. A fundamental course as a basis for advanced mathematics. Prerequisite, analytical geometry. DeCou. Daily at 8. *Three hours.*

UPPER DIVISION

*103s. *Differential Equations*. A practical course in the solution of ordinary and partial differential equations. Prerequisite, differential and integral calculus. DeCou. Daily at 8. *Three hours.*

104s. *Higher Algebra*. A more advanced and rigorous treatment of some of the topics in advanced algebra, together with the addition of many new topics. DeCou. Daily at 10. *Three hours.*

*106s. *Solid Analytical Geometry*. An advanced course dealing with surfaces of the second degree and their properties, together with some discussion of surfaces in general. Milne. Daily at 9. *Three hours.*

115s. *Introduction to Lie's Theory of Differential Equations*. A short course dealing with one parameter groups and their application to the theory of differential equations. Prerequisite, course 103s. Milne. Daily at 8. *Three hours.*

*119s. *Introduction to Vector Analysis*. Addition, subtraction, and multiplication of vectors, and the differential and integral calculus of vectors. Prerequisite, differential and integral calculus. Milne. Daily at 9. *Three hours.*

GRADUATE DIVISION

204s. *Mathematical Seminar*. Conferences and reports on assigned subjects. DeCou, Milne.

MUSIC

Professor BECK

In addition to the courses listed below, the school of music arranges each year for work in piano, voice, and violin for the summer session with well-known instructors in charge. These lessons are open to summer session students, and University credit is given for them.

Information concerning this work in applied music may be obtained from Dr. John Landsbury, dean of the School of Music, University of Oregon, Eugene.

LOWER DIVISION

41. *The Elements of Musical Science*. The history, construction and treatment of harmonic forms. Terminology, major and minor scales, intervals, major and minor triads, inversions—especially the "six-four chord"—general theory of harmonic progression, etc. Dissonant combinations, open position, etc. Modulation, foreign tones, contrapuntal chords, the augmented chords, enharmonic equivalents, modern scales and harmonization of melodies. Sight singing, the melody in relation to its supporting harmonic structure. Valuable to all music students, and especially desirable for teachers engaged in public school music work. Daily at 2. *Three hours.*

42. *Elementary Public School Music*. Teaching methods for the first six grades. A practical course for teachers, developing the problems

*(Either 2s or 3s, 61s or 103s, 106s or 119s, will be given).

peculiar to each grade; rural school problems. Music publications suitable for these grades; problems in the "boy voice"; melody writing; use of the talking machine in the grades; the problem of "school entertainments." Daily at 1. *Three hours.*

43. *Romanticism in Music*. A critical and appreciative study of the flowering time of the free style. Study of operatic, orchestral and instrumental compositions from the later Beethoven to Wagner. Considerable attention to classical foundations. A supplementary study of Wagner. No musical prerequisites required. Open to students who wish to become intelligent listeners, as well as those actively engaged in music. Daily at 8. *Three hours.*

PHILOSOPHY

Professor BATES

UPPER DIVISION

117s. *Aesthetics*. A philosophical study of the experience and import of beauty in nature and art. Daily at 2. *Three hours.*

GRADUATE DIVISION

208. *Modern European Philosophers*. A study of the philosophical theories of certain leaders of present day thought, such as Croce and Gentile in Italy, Bergson in France, the new Kantians and the new realism. *Hours to be arranged.*

PHYSICAL EDUCATION

Professor EARL, Dr. LIVINGSTON, Assistant Professor WATERMAN,
Miss PAGE, Mr. REINHART, Mr. OBERTEUFFER, Miss LeCOMPTE

The school of physical education will present, in the summer session, work along four lines:

I. Work for beginners or those who have had no professional training in physical education but find a necessity for some knowledge of this sort. There will be elementary classes in gymnastics and dancing, in sports and in the theory of physical education.

II. Classes for those working in rural communities, with special emphasis on the kind of physical education that can be developed in the rural schools and rural centers.

III. Advanced courses in physical education for those who have had elementary work and desire to pursue advanced courses for rural schools and rural centers.

IV. Special courses for those who plan to coach the major sports; courses in basketball, baseball, football, and track.

The general slogan for this summer will be "recreation for all" and this idea will be woven into all the class work that is done.

LOWER DIVISION

*31. *Elementary Gymnastics*. For all students, but particularly for those beginning a physical education training course. Page. Daily at 9. *One hour.*

*33. *Swimming*. Elementary and advanced swimming. Credit may be arranged by consultation with instructor. Page.

*35. *Pageants and Dancing.* Folk dancing, aesthetic dancing, festivals and pageants. Consult instructor before registering. LeCompte. Daily at 3. *One hour.*

*73. *Health Education and Hygiene.* A study of the modern presentation of health and hygiene for the individual. Oberteuffer. Daily at 1. *Three hours.*

UPPER DIVISION

109. *Sports.* Organization and coaching of the principal sports suitable for high schools and grade schools. A selection of only the most important. Emphasis on coaching and training. Waterman. Daily at 10. *One hour.*

110. *Theory and Practice of Physical Education for Secondary Schools.* The fundamental principles underlying work for students of this grade. Waterman. Daily at 9. *One hour.*

151. *Principles of Coaching Sports.* Analysis of plays. History of the game. Critical study of the rules. Practice in new formations. Open to all interested.

This course can be taken as a whole or any part and credit given accordingly.

151-Fb. *Football.* First three weeks daily. 3 to 5. Earl. *One hour.*

151-Bk. *Basketball.* First three weeks, daily, 1 to 3. Reinhart. *One hour.*

151-Tr. *Track.* Second three weeks, daily, 3 to 5. Earl. *One hour.*

151-Bb. *Baseball.* Second three weeks, daily, 1 to 3. Reinhart. *One hour.*

155. *Physical Diagnosis, Emergencies and Bandaging.* Conditioning and elements of physical training. Livingston. Daily at 8. *Three hours.*

177. *Community Recreation.* A discussion of the problems of organization of recreation for communities, small towns and industries. Oberteuffer. Daily at 2. *Three hours.*

PHYSICS

Professor CASWELL, Mr. McALISTER

The courses offered in this department are intended to meet the needs of three classes of students:

(1) Teachers having inadequate preparation who find themselves called upon to teach physics in the high school. These should take as much work as possible from courses 7, 8, 9 and 120. Laboratory work will be adjusted to the preparation of the student, and opportunity given for conferences on teaching problems.

(2) Regular academic students wishing to take physics during the summer to fulfil group or course requirements. Courses 7, 8 and 9, taken together, constitute a slightly abridged course in General Physics, and

*May not be substituted for required freshman or sophomore work in physical education.

meet the requirement of group III, as well as departmental requirements for a year of college physics except in the medical course, in which case students can earn the necessary credits by devoting additional time and meeting the expense of the instructor.

(3) Students who wish to do advanced work in physics. To meet their needs the department will offer one advanced course, either of upper division or graduate type, the course to be offered depending upon the demand. Interested students will do well to consult the department before entering the summer session.

LOWER DIVISION

7. *Principles of Physics—Mechanics, Heat and Sound.* Simple measurements, mechanics, molecular physics, heat and sound. Prerequisites: plane geometry, high school algebra and either high school physics or trigonometry. If possible the student should register for laboratory work under course 9. Caswell. Lectures and recitations daily at 8. *Three hours.*

8. *Principles of Physics—Electricity and Light.* This course is of the same character and has the same prerequisites as Course 7, but treats of electricity, magnetism and light. Caswell. Lectures and recitations daily at 10. *Three hours.*

9. *Principles of Physics—Laboratory.* Laboratory work for Courses 7 and 8. Students registering in either course 7 or 8 should plan to take as much work as possible in the laboratory. Students expecting to meet a group or departmental requirement in physics must take both Course 7 and Course 8 and three hours of laboratory work in Course 9. Laboratory work is designed to require approximately thirty clock-hours for one hour of credit. Spinney's Text-Book of Physics (\$4.00) will be used. Laboratory open every afternoon. McAlister. *One to three hours.*

UPPER DIVISION

120. *Physical Laboratory.* Additional laboratory work in experimental physics, either supplementary to the required work in College Physics or for prospective teachers of high school physics who wish to acquire proficiency in laboratory methods and administration of the high school course. The work is varied to meet individual needs. Approximately thirty clock-hours for one term hour of credit. Laboratory open every afternoon. McAlister. *One to three hours.*

125, 225. *Advanced and Graduate Courses.* Under this title, the department will offer one of the following advanced courses: thermodynamics, molecular physics, optics, or electron theory. The particular course to be given will depend upon the demand. Prerequisites: A year-course in college physics, or an equivalent, and a working knowledge of calculus. Caswell. Daily at 9. *Three hours.*

POLITICAL SCIENCE

Assistant Professor WOODY

LOWER DIVISION

1s. *American Government.* Historical and descriptive analysis of our national government. Origins, growth and meaning of our federal constitution. The president: how nominated and elected; his powers and

duties; relations with executive departments. Congress: critical analysis of its composition, powers, methods of doing business. Federal courts: functions and powers. Brief survey of other important national functions. Applications to current political problems. Daily at 10.

Three hours.

UPPER DIVISION

108s. *Political Parties.* General description of political parties. Rise of parties in the United States. The mechanics of party life: machines, bosses; caucuses, conventions and primaries; campaigns, ballots and elections. Problems of reform; short ballot proportional representation, initiative, referendum and recall, civil service reform. How a citizen may participate helpfully in politics. Daily at 2. *Three hours.*

117. *International Politics.* A study of the economic, political and diplomatic factors which produced the Great War. Effects of the treaty of Versailles. Movements for world peace, prior to and since the war. The League of Nations and the World Court. The problem of American cooperation. Monday, Wednesday, Friday at 1. *Two hours.*

PSYCHOLOGY

Assistant Professor YOUNG, Miss McALISTER

1s. *Elementary Psychology.* A general introduction to the science of psychology, a course for beginners. This work is basic and introductory to all other work in psychology. Open to all qualified summer school students. McAlister. Daily at 10. *Three hours.*

UPPER DIVISION

108s. *Mental Measurements.* The psychological bases to mental measurement. The course will deal with such topics as the history of the testing movement, the psychological nature of the various tests, and the application of tests to various practical fields: education, race differences, delinquency, etc. Young. Daily at 1. *Three hours.*

110s. *Advanced Social Psychology.* The innate and acquired bases of man's social behavior. The significance of behaviorism for social psychology. Concrete problems touching the social-psychological aspects of education, industry, and social life will be considered. Attention will be given to the place of taboo, folk ways, crowd behavior, propaganda, public opinion, etc., in modern life. Young. Daily at 2. *Three hours.*

GRADUATE DIVISION

207s. *Research in Psychology.* Special types of psychological research for which the student is adequately prepared, may be pursued under supervision. Young. *Hours to be arranged.*

ROMANCE LANGUAGES

Professor CLORAN, Miss GOUY

LOWER DIVISION

1s. *Elementary French.* Grammar, pronunciation, colloquial French and composition. This course is intended for teachers who have never had French and for students who have no opportunity to take it except

in the summer term. The essentials of French grammar will be completed. Gouy. Daily at 9. *Three hours.*

11s. *Elementary Spanish.* Grammar, pronunciation, conversation and composition. This course is intended for teachers who have never had Spanish and for students who have no opportunity to take Spanish except in the summer term. The essentials of Spanish grammar will be completed. Cloran. Daily at 8. *Three hours.*

UPPER DIVISION

105s. *French Conversation and Composition.* Third year French. Gouy. Monday, Wednesday, Friday at 1. *Two hours.*

107s. *French Pronunciation.* Gouy. Tuesday, Thursday, at 1. *One hour.*

GRADUATE DIVISION

208s. *French Literature.* Study of some of the masterpieces of French literature. This work will be adapted to the preparation of the students who may elect the course. An attempt will be made to accommodate all advanced students who will be given work adapted to their needs. Daily at 9. *Three hours.*

218. *Spanish Literature.* A brief survey of Spanish literature, with readings in the great authors. The work will be adapted to the preparation of the students who may elect this course. An attempt will be made to accommodate all advanced students who will be given work adapted to their needs. Daily at 10. *Three hours.*

NOTE.—Depending upon demand, only one of the advanced courses may be given.

SOCIOLOGY

Associate Professor ELIOT

LOWER DIVISION

1. *Introduction to Social Economy.* A survey of the institutions and agencies of normal society in relation to the needs of family life: safety, housing, health, occupation, education, recreation, aesthetic and spiritual life. The development of social work. Lectures, readings, reports. Daily at 8. *Three hours.*

UPPER DIVISION

115. *Advanced Social Theory.* Analysis of original and acquired factors in social behavior; of social processes and achievement; and of social evolution and progress. Texts, discussion, collateral reading and practice in analyzing documents and occurrences. Daily at 10. *Three hours.*

GRADUATE DIVISION

201. *Seminar in Sociology.* Graduate seminar in problems of social control. Tuesday and Thursday at 2. *Two hours.*

THE PORTLAND SESSION PORTLAND

THE FACULTY

PRINCE L. CAMPBELL, LL.D. *President of the University*
 GEORGE REBEC, Ph.D. *Dean of the Graduate School*
 EARL KILPATRICK, B.A. *Director of Portland Summer Session, University of Oregon*
 ALFRED POWERS, B.A. *Assistant Director of the Portland Session*
 CARLTON E. SPENCER, B.S. *Registrar of the University*
 MARGARET M. SHARP *Secretary of the Portland Extension Center*

DONALD G. BARNES, Ph.D. *Assistant Professor of History, University of Oregon*
 WILLIAM H. BOYER *Supervisor of Music, Portland Public Schools*
 CATHERINE A. BRADSHAW, B.A. *Secretary of Portland Americanization Council*
 MARGARET D. CREECH, B.A. *Director of Social Case Work, Portland School of Social
 Social Work, University of Oregon*
 ROBERT H. DOWN, M.A. *Head of Department of History, Franklin High School, Portland*
 SAIDIE ORR-DUNBAR *Executive Secretary, Oregon Tuberculosis Association*
 BERNARD C. EWER, Ph.D. *Professor of Psychology, Pomona College*
 CHRISTIAN GAUSS, Ph.D., *Head of Department of Modern Languages, Princeton University*
 F. W. GOODRICH *Instructor in Music, Portland Center*
 CARDINAL GOODWIN, Ph.D. *Professor of History, Mills College*
 HENRY M. GRANT, B.A. *Executive Secretary, Oregon Social Hygiene Society*
 HELEN S. HARTLEY, B.S., R.N. *Director of Public Health Nursing
 Portland School of Social Work, University of Oregon*
 JOHN C. HENDERSON, B.S. *Supervisor of Recreation, Portland Bureau of Parks*
 RALPH C. HOEBER, M.A. *Instructor in Public Speaking and Economics,
 Portland Center*
 EARL KILPATRICK, B.A. *Dean of the Extension Division, University of Oregon*
 ESTELLA FORD WARNER, M.D. *Medical Director, Bureau of Child Hygiene
 Oregon State Board of Health*
 ROBERT KROHN *Supervisor of Physical Education, Portland Public Schools*
 H. G. LULL, Ph.D. *Director of Teachers' Training, State Teachers College,
 Emporia, Kansas*
 FRITZ MARTI, Ph.D. *Instructor in Philosophy, University of Oregon*
 CHARLES MCKINLEY, M.A. *Assistant Professor of Political Science, Reed College*
 MABLE HOLMES PARSONS, M.A. *Professor of English, University of Oregon*
 PHILIP A. PARSONS, Ph.D. *Director of Portland School of Social Work
 University of Oregon*
 MARY H. PERKINS, M.A. *Professor of English, University of Oregon*
 ALFRED POWERS, B.A. *Associate Professor of Journalism, University of Oregon*
 IRA RICHARDSON, M.A. *Acting Dean of the Graduate School,
 Colorado State Teachers College*
 ALBERT R. SWEETSER, M.A. *Professor of Botany, University of Oregon*
 CLINTON H. THIENES, M.D. *Instructor in University of Oregon Medical School*
 ELNORA E. THOMSON, R.N. *Pacific Coast Field Director, American Child
 Health Association*
 F. MIRON WARRINGTON (Diplome de l'Universite de Paris) *Professor of Business
 Administration, University of Oregon*
 ESTHER W. WUEST *Supervisor of Art, Portland Public Schools*

GENERAL INFORMATION

The Portland office of the University is at 651 Courthouse. The telephone is Main 3575. Registration and payment of fees, as well as all executive details of the classes, are handled from this office. Office hours are from 9 a. m. to 5 p. m., with the exception of Saturday, when the office closes at 1 p. m.

Classes will be held at Lincoln high school, Park and Market streets. With few exceptions, classes will meet daily from 8 a. m. to noon. Classes begin Monday, June 23, as scheduled. Members of the faculty will be glad to arrange conference hours with students upon request.

EXPENSES

The registration fee for the summer session is \$12.50. In the laboratory courses there is a moderate laboratory fee to help defray the cost of materials. All fees are to be paid during the first week, June 23 to 28. Students whose fees are not paid before June 28, at noon, and who are not enrolled in classes prior to that time, may petition for permission to earn credit, but such petitions are usually denied, or granted with proportionate credit only.

UNIVERSITY CREDIT

Nine term hours of regular university credit may be earned during the summer term. Students wishing to matriculate with the University in order to work toward a degree should file all their credentials with the registrar at Eugene.

Graduate credit may be earned in some departments by special arrangement. This arrangement should be made well in advance of the opening date.

ASSEMBLY AND RECREATION

Each morning from 9:50 to 10:00 students will meet in the auditorium for assembly and special announcements, and to make the acquaintance of fellow students.

In connection with the Portland summer term there will be a special recreational program. A reception to the student body, an all day trip by boat up the famous Columbia river, the annual dinner, as well as excursions and picnics to picturesque points of interest, will be some of the features. In addition, there will be various scientific field trips, under the leadership of different members of the faculty, and special public lectures by the faculty and distinguished visitors.

REGISTRATION OF GRADUATE STUDENTS

The dean of the graduate school, Dr. George Rebec, will be at the Portland office, 651 Courthouse, on Friday and Saturday, June 27 and 28, to meet all students of the Portland summer term desiring to do work for graduate credit. Appointments should be arranged through the secretary, Main 3575.

Description of Courses

In the following description of courses it is intended that the general character of each course should be indicated by its number. Courses numbered from 1 to 99 are commonly called lower division courses, and are primarily intended for students in the first two years of the college course. Courses numbered from 100 to 199 are upper division courses, intended primarily for advanced undergraduates, but are sometimes acceptable for credit toward a graduate degree when taken by registered graduate students and supplemented by especially arranged additional assignments of work.

The hours noted after the course descriptions represent the term-hours of University credit which may be earned.

AMERICANIZATION (EDUCATION)

Miss BRADSHAW, Miss CREECH, Dr. GOODWIN, Mr. MCKINLEY

By request of the Portland Americanization Council and in close cooperation with it and with all of the civic and patriotic associations that compose the Council, the University of Oregon announces courses in its summer session at Portland, which taken together constitute a training school for Americanization workers.

These courses will be open to registered students in the summer session, and will carry university credit on the same basis as other courses in the session.

29. *Methods of Teaching English to the Foreign Born.* This course will consider and exemplify aims, methods, and materials in the teaching of English to the foreign born. Opportunity for observation and application of the principles studied will be afforded in three demonstration classes for foreign born students, organized by the Americanization Council. Although the major effort will be to familiarize students with the essentials of the direct method of language instruction and to give them an opportunity to acquire skill in the classroom, there will also be instruction in the technique of organizing classes in schools, in industrial plants, and for home instruction. The course will cover the three customary grades of methods and materials used in classes for the foreign born, beginners, intermediate, and advanced.

This class will meet daily for two hours, the second hour on certain days being devoted to round table discussion, intended to develop an understanding of the scope, organization, and meaning of the Americanization movement. Persons expert and experienced in various phases of Americanization work will lecture to the class. There will be reports and discussion. Some of the topics so considered will be the development of the Americanization movement; industrial Americanization, emphasizing immigrant women; racial backgrounds, characteristics, and contributions; nationalization; special aspects of the state and local situation.

Work outside of class will consist in the doing of outside reading, the preparation of papers, and a limited amount of field work, most of which will be in the observation of Americanization classes. Bradshaw. Daily at 10 a. m. Room 103. *Six hours.*

4. *Study of Social Agencies.* (See description under Applied Sociology.) Creech. Daily at 9 a. m. Room 103. *Three hours.*

Possible Option. Students who have already had a course in social agencies or who for other reasons should more appropriately take a course in the American Federal System or in Recent American History may substitute one of the latter courses, by special permission secured before registration from the director of the summer term.

ART

Miss WUEST

10. *Methods in Art Instruction.* A practical course for teachers of high and elementary schools. (a) Subjects of art instruction in public education. Correlation with other subjects in the school curriculum. Art principles to be presented as a foundation for the various forms of expression. (b) Decoration and construction. A definite and systematic study of the subject of creative design. The relation of decoration to construction and the unity of the whole. (c) Color. Development of the subject of color throughout the grades and high school. Color standards developed by means of the various mediums. (d) Poster design and lettering. Elements of poster construction. Fundamental principles of good lettering. Relation of design to lettering. (e) Representation. Study of the laws governing the appearance of form, as a foundation for all work in freehand drawing. Daily at 8 a. m. Room 304.

Three hours.

14. *Creative Design.* (a) Art structure. Composition. A study of the fundamental laws governing beauty as a working basis for all successful problems in art expression. (b) Origin of design. Modern design. Sources of decorative material and methods of interpretation. Adaptation of decorative form to problems, the unity of decoration and material emphasizing the harmony of the whole. (c) Color. Fundamentals of color study and the use of color in decoration. Problems in color composition using materials and the various pigments. The subject to be presented from the standpoint of appreciation as well as a working knowledge and ability to use color well. Daily at 9 a. m. Room 301. *Three hours.*

11. *Crafts.* (a) Gesso. Decoration in relief. A revival of an old Italian art, which offers a simple and inexpensive medium for the decoration of useful objects. (b) Parchment. Methods of developing transparent decoration on paper and on cloth for decorative purposes. Consideration of different processes and materials used. (c) Block. Decoration developed by means of the wood and linoleum block. Methods of printing and processes for practical work. (d) Stitchery. Decoration developed by means of various kinds of stitches. Simple stitches for borders, units, and decorative designs. Daily at 10. Room 301. *Three hours.*

Membership in Crafts class limited to 25 persons. It is recommended that Crafts students take also the course in Creative Design.

BOTANY

Professor SWEETSER

2s. *General Botany and Plant Biology.* The object of this course will be to study life processes as exemplified in flowering and non-flowering plants, including metabolism, reproduction, and relation to environment. Some time will be devoted to plant classification. There will be no prerequisites. Each person will be expected to provide himself with a hand magnifying glass. Daily at 10 a. m. Room 316. *Three hours.*

10. *Botany of Every Day Life.* A study of some of the plant forms from which are obtained many of our foods, luxuries, and medicines, and some of the microscopic plant life, such as molds, yeasts, and bacteria, intimately connected with our every day life, both as friends and foes. A consideration of soil fertility, water and milk, and a study of the sanitary precautions necessary for the protection of our homes. Daily at 11 a. m. Room 316. *Three hours.*

108s. *Systematic Botany.* The course will be devoted to the classification of plants and their relation to their environment. This will include non-flowering and flowering plants, with special attention to the ferns and trees. The work will be adapted to the needs of the individual. The equivalent of a standard high school course in botany is prerequisite. This class will meet five times a week with a minimum period of two hours a day. Hours to be arranged. Room 316. *Three hours.*

CHEMISTRY

Dr. THIENES

1s. *General Chemistry.* An introductory course for students of college grade. The fundamentals, including elements, atomic theory,

simple reactions, properties of common elements and compounds, will be discussed as time permits. Two hours of lecture or recitation, three hours of laboratory. Daily at 8 a. m. Room 306. *Nine hours.*

1. *Elementary Qualitative Analysis.* Daily at 9 a. m. Room 306. *Three hours.*

ECONOMICS

Mr. HOMBER

1s. *Economic History.* The evolution of economic institutions from their simpler forms to the more complex systems of our own time. Forms of land tenure, systems of labor, the guilds, the industrial revolution, the growth of the factory system, the evolution of banking, improvement of transportation and the emergence of labor problems and those connected with large scale production. Daily at 8 a. m. Room 104.

Three hours.

EDUCATION

Dr. LULL, Professor RICHARDSON

53s. *Educational Psychology.* An introductory course dealing with topics most closely related to education, such as nature of learning, learning curve, sensory-motor learning, educational learning, economical learning, retention of experience, individual differences, transfer of training. Richardson. Daily at 8 a. m. Room 110.

Three hours.

103. *School Administration.* State and county. The fundamental principles of educational administration in relation to the nation, state, and county. Organization of state departments. The state's responsibility and relation to types of education offered. The training and certification of teachers. Educational finance. Distribution of funds. State aid. The county as an economical unit of administration. Richardson. Daily at 9 a. m. Room 110.

Three hours.

101. *Junior and Senior High School Curriculum Making.* This course will be largely devoted to the actual construction of junior and senior high school curriculums. Students will be trained in methods and procedure required in securing the community's resources for educational purposes. Institutional analysis will be made and introduced into the course of study. Lull. Daily at 10 a. m. Room 110.

Three hours.

150. *History of American Education.* A general survey of the larger outstanding educational problems of the present will be made, and then certain portions of the history of American education will be selected for their value in throwing light upon present day problems. Lull. Daily at 11 a. m. Room 110.

Three hours.

10. *Health Education.* (See Public Health).

29. *Methods in Teaching English to the Foreign Born.* (See Americanization).

ENGLISH

Dr. GAUSS, Professor M. H. PARSONS, Professor PERKINS

51s. *Technique of Writing.* A study of some of the principles of composition in English essential to the modern educated citizen who may need to express his ideas in writing. It is assumed that students taking

this course are familiar with the ordinary rules of good usage in grammar and sentence structure. Weekly themes are a minimum requirement. Texts: The Century Vocabulary Builder, Greever and Bachelor; Prose Specimens, Duncan, Beck, and Graves. Perkins. Daily at 8 a. m. Room 105. *Three hours.*

102s. *Advanced Writing.* A course for those who are interested in writing as an art and who wish to develop their skill in some chosen type or to experiment in a variety of methods. Students who are taking this course for credit are expected to do a substantial amount of writing. Class work will consist to a large degree, aside from the lectures, of thorough and, it is hoped, helpful criticism of students' contributions. Perkins. Daily at 9 a. m. Room 105. *Three hours.*

160. *Twentieth Century English Novels.* Novels by Arnold Bennett, Frank Swinnerton, Hugh Walpole, Walter de la Mare, Arthur Machen, John Galsworthy, Joseph Conrad, and H. G. Wells will be read and discussed. Attention will be given to the growth of the English novel from the eighteenth century to the present. Lectures and discussions. Parsons. Daily at 8 a. m. Room 106. *Three hours.*

170. *The English Romantic Movement.* A study of the revolt against tradition and authority in English literature from the middle of the eighteenth century to the death of Byron. Recitations and outside reading. Textbook, Wood's English Poetry and Prose of the Romantic Movement. Gauss. Daily at 10 a. m. Room 106. *Three hours.*

164. *Main Currents in Western European Culture* as illustrated in literary history since 1700. The course will aim to present some of the more important ideas and theories which have entered into the body of our cultural inheritance and their expression in European and English literature. Lectures and outside reading. Gauss. Daily at 11 a. m. Room 106. *Three hours.*

Aesthetics. (See Philosophy, 104).

FRENCH

(See Romance Languages)

HISTORY

Dr. GOODWIN, Dr. BARNES, Mr. DOWN

63s. *England from 1782 to the Present.* This course will deal with economic, social, political, constitutional, and colonial development of England since the loss of the American colonies. The economic and social aspects will be stressed more than the constitutional aspects and foreign relations. Barnes. Daily at 8 a. m. Room 114. *Three hours.*

42s, 142s. *Europe from 1648 to 1815.* This course will deal with the domestic and foreign policies of Spain, France, England, Holland, Austria, Prussia, Poland, Sweden, Russia, and Turkey, from the Peace of Westphalia in 1648 to the settlement made at the Congress of Vienna in 1815. Emphasis will be placed on the general characteristics of the period and international movements will be stressed rather than the individual history of each country separately. Barnes. Daily at 9 a. m. Room 114.

Three hours.

179s. *Trans-Mississippi West, 1803 to 1853*. Exploration, settlement, and development of the region of the United States lying west of the Mississippi river, with emphasis on Pacific Northwest. Goodwin. Daily at 10 a. m. Room 114. *Three hours.*

173s. *Recent History of the United States*. This course deals with the development of the United States since the Civil War, with emphasis on the more recent period. Lectures, assigned reading, and occasional written exercises. Goodwin. Daily at 11 a. m. Room 114. *Three hours.*

76ps. *Oregon History*. The discovery, exploration, and occupation of the Pacific Northwest with special reference to Oregon history. This course is especially designed to meet the needs of teachers of Oregon history. Down. Daily at 8 a. m. Room 112. *Three hours.*

JOURNALISM

Mr. POWERS

40. *Writing for the Press*. Training for spare time writing; handling public information for organizations and associations; supervision of school publications and editing of leaflets, bulletins, and news letters. Technique of the news story and application of its principles to features, technical and statistical stories, interviews, sketches, and reports of meetings and conventions. The point of view will be that of the correspondent writing for many papers rather than that of the reporter writing for one. Some time will be given to the methods of conducting a publicity campaign. Members of the editorial staffs of Portland papers will give four lectures during the course. Daily assignments will be written with a view to publication in the Summer Sun, the Portland and state papers, and in class and special journals. Daily at 10 a. m. Room 105. *Three hours.*

MUSIC

Mr. BOYER, Mr. GOODRICH

12s. *Methods in Teaching Public School Music*. The purpose of the course is to show how musical knowledge is adapted to the needs of the public school. Ways of arousing and holding interest. Songs for the unification of voices. Development of the sense of pitch and rhythm through rote singing. Phrasing and inter-relation. The various systems of music books and manuals used as texts. Staff notation. Boyer. Daily at 10 a. m. Room 108. *Three hours.*

14. *Advanced Music*. Sight singing, melody, phrasing, interpreting, and musical appreciation with the use of the phonograph. Boyer. Daily at 11 a. m. Room 108. *Three hours.*

20. *Fundamentals of Music*. A study course in music understanding, treating of notation, rhythm; the melodic, harmonic, and polyphonic elements in music. Form and design. Acoustics. Expression and interpretation. These lectures will be very fully illustrated by the piano and the phonograph. Goodrich. Daily at 8 a. m. Room 108. *Three hours.*

10s. *History and Appreciation*. A course of lectures on various phases of the musical history of the past 300 years. (1) Nationalism in music. The folk songs and dances of the principal nations of the world and their influence upon the composition of the great composers. (2) Mythology in music. The stories of mythology and their interpretation

by the great composers. (3) Folk lore and legend in music. The treatment of legendary and fairy stories by modern composers. (4) Nature in music. Studies of the works of the later impressionist composers. (5) History in music. Studies of the various periods of ancient and modern history as illustrated in the operas of the principal composers of Europe. Goodrich. Daily at 9 a. m. Room 108. *Three hours.*

NOTE—These lectures will be very fully illustrated on the Chickering Ampico piano, by the courtesy of the G. F. Johnson Company.

PHILOSOPHY

Professor M. H. PARSONS, Dr. MARTI

52s. *Ethics*. An introductory course in the general problems of ethics. Marti. Daily at 10 a. m. Room 107. *Three hours.*

103s. *Aesthetics*. A survey of the philosophy of the beautiful, historically and comparatively, with a view of arriving at deductions of universals that may satisfy and enlarge the experience and consciousness of beauty. Parsons. Daily at 9 a. m. Room 106. *Three hours.*

108s. *Nineteenth Century Thought*. A brief survey of the development of the philosophical questions from the death of Hegel up to the present time. This course does not presuppose a technical training in systematic philosophy. Marti. Daily at 11 a. m. Room 107. *Three hours.*
Modern Political Philosophy. (See Political Science, 116).

PHYSICAL EDUCATION

Mr. KROHN

1. *Physical Education*, classified as follows, will be presented: (a) School room gymnasium; (b) School room games; (c) School room marching; (d) Health activities.

This work will be of special interest to teachers who have had no previous training; also, the progressive program in contemplation will make this course attractive to those having special training in physical education. Daily at 12 m. Gymnasium. *One and one-half hours.*

2. *Gymnasium and Out Door Activities*. (a) Gymnasium floor work. (b) Gymnasium apparatus. (c) Games. (d) Folk dancing. (e) Organized games: the volleyball; basketball; indoor ball. (f) Athletics for classes *en masse*. (g) Athletic efficiency tests. Daily at 1 p. m. Gymnasium. *One and one-half hours.*

POLITICAL SCIENCE

Mr. MCKINLEY

1s. *Federal Government of the United States*. A study of the genesis of the American system, of the major lines of development through which the system has passed, and an analysis and criticism of the national part of the system as it operates today. Daily at 10 a. m. Room 104. *Three hours.*

116. *Modern Political Philosophy*. The point of departure is the modern natural rights school as exemplified by Locke. An examination of the major tendencies of political speculation and of the systems of some outstanding English, Continental, and American political philosophers since Locke. Current tendencies will be discussed also. Daily at 11 a. m. Room 104. *Three hours.*

PSYCHOLOGY

Dr. EWER

12s. *Beginners' (General) Psychology.* An introductory study of the material of general psychology, sensation, habit, attention, association, learning, memory, perception, imagination, reasoning, feeling emotion, and will. Without laboratory. Daily at 10. Room 111 *Three hours.*

120. *The Psychology of Suggestion.* This course is a critical consideration of some phases of abnormal psychology, such as illusions, hallucinations, dreams, hypnosis, and alternating personality. It includes also a brief exposition of scientific method, and of the psychology of deception. Daily at 11. Room 111. *Three hours.*

PUBLIC HEALTH

Miss HARTLEY, Miss THOMSON

10. *Health Education.* In this course will be considered (1) the essentials of a school health program, differentiating between health control and health teaching; (2) the use of certain national and local agencies concerned with health work as aids in teaching; (3) material available and methods of emphasizing effectively that part of the program in which the parent, the teacher, and the child participate. Daily at 9 a. m. Room 111. *Three hours.*

107. *Principles of Public Health Nursing.* This course is designed for nurses with public health nursing experience, and will present some fundamental principles of public health nursing; teaching methods, and use of demonstrations in field work; class room discussion, and observation visits to various clinics, welfare stations, and organizations of value in nursing work. Daily at 8 a. m. Room 111. *Three hours.*

PUBLIC SPEAKING

Mr. HOEBER

89s. *Extemporaneous Speaking.* Emphasis in this course will be placed upon "thinking upon one's feet." Students will be required to speak not once, but many times. Talks will be of an informal nature on every day topics, such as salesmen's talks, club member's talks, current events, and so forth. Text: Phillip's Effective Speaking. Daily at 9. Room 104. *Three hours.*

ROMANCE LANGUAGES

Professor WARRINGTON

FRENCH

5. *Elementary French.* The object of this course is to give students a working knowledge of French pronunciation; as wide, and at the same time as spontaneously available a vocabulary as possible; and a firm grasp of the essentials of French grammar. The course includes conversation, dictation, prose composition, and the reading of elementary prose. Daily at 9 a. m. Room 115. *Three hours.*

10. *Introduction to French Literature.* An introduction to the reading of French authors. This course is open to students who have had one year of college French, and will include necessary incidental drill. The course is planned to enable the student to get a general view of French literature and ideas, and thus prepare himself for an intensive study of any period in French literature. Daily at 10 a. m. Room 115. *Three hours.*

SPANISH

15. *Elementary Spanish.* The object of this course is to give students a knowledge of Spanish pronunciation; as wide a vocabulary as possible; a clear understanding of the essentials of Spanish grammar. The course includes conversation, dictation, prose, composition, and the reading of elementary prose. Daily at 8 a. m. Room 115. *Three hours.*

25. *Advanced Spanish.* The object of this course is both to continue the student's training in the Spanish language and to give some knowledge of the more important phases of modern Spanish life. The work will consist of short themes based on the text read, furnishing an opportunity for the continuation of the study of syntax; of exercises in composition, descriptions, etc; of critical study of contemporary Spanish writers, and oral discussions. The course will be conducted, so far as possible, in Spanish. Open to students who have had one year of college Spanish or the equivalent thereof. Daily at 11 a. m. Room 115. *Three hours.*

SOCIOLOGY

Mr. GRANT, Mr. KILPATRICK, Dr. PARSONS

4. *Biology and Social Adjustments.* This course has been prepared to furnish parents, teachers, and social workers with accurate information concerning sex-social problems. Vital issues relating to the sex impulse as it affects both the individual and society are frankly and constructively treated. This course will trace the development of man and the social structure with special reference to the problems involved in adjusting the individual to his sex-social environment. Emphasis will be placed upon education in home and school for the solution of the problems discussed. Grant. Daily at 9 a. m. Room 107. *Three hours.*

140s. *Community Organization.* A study of the principles and practice of effective community organization. Kilpatrick. Daily at 9 a. m. Room 112. *Three hours.*

101. *An Introduction to the Social Problem.* Designed to acquaint the student with the nature and causes of the Social Problem viewed as a whole. It presents, also, a critical analysis of it as revealed in the so-called social problems confronting modern society. The reaction of society to the problem will be surveyed briefly in its religious, political, economic, and philanthropic aspects. Parsons. Daily at 10. Room 112. *Three hours.*

102. *A Sociological Study of Religion.* This course begins with a discussion of the origins of religion and the part which it has played in human experience at the various stages of social evolution. The influence of great religious systems will be discussed from the standpoint of social utility. Brief consideration will be given to the part which religion has played in the development of western civilization. The course will conclude with a consideration of religion as an asset in the solution of the social problem which confronts the modern world. Parsons. Daily at 11. Room 112. *Three hours.*

ANNOUNCEMENT

A *Short Course of Lectures on Parent-Teacher Work* will be given by Miss Frances Hays, field secretary for the National Congress of Mothers and Parent-Teacher Associations. The lectures will be given from July 14 to July 18, inclusive, from one o'clock to 4 o'clock, daily, in the Story Hour room of the Central Library. The course will be open to superintendents, teachers, parents, members of school boards, leaders in parent-teacher work, or others interested in this movement. No credit. Special registration fee of \$1.

UNIVERSITY OF OREGON MEDICAL SCHOOL

Courses for medical students, or others qualified for the work, are offered during the summer at the Medical School on Marquam Hill, providing there is enrolled a sufficient number to warrant the course being given.

Because of the cost of laboratory supplies and equipment, tuition for these courses will be based on the number of credit hours given by the Medical School for each course, the rate being \$3.50 for each credit hour.

Courses will begin at 8:00 o'clock and laboratory work will follow lecture work.

The Medical School bus will leave 6th and Yamhill Streets at 7:40 a. m. every morning and may be used by students who have not arranged otherwise for transportation.

BACTERIOLOGY

Methods of Bacteriological and Serological Diagnosis: A microscopic and cultural study of material from patients including the standard immunological blood examinations. Given to a class of twelve or more. Prerequisite, a fair knowledge of general bacteriology and bacteriological technique. Laboratory, lectures and recitations. Sears.

ANATOMY

203. *Topographic Anatomy*: Prerequisite, Gross Anatomy. One hour lecture, three hours laboratory, daily at 8:00 a. m. for three weeks. Two credits. Foster.

NEUROLOGY

201. *Neurology and Organs of Special Sense*: (To be offered for four weeks from Sept. 2-27, inclusive). Prerequisite, Gross Anatomy, Histology and Organology, and Embryology. Lecture one hour daily including Saturdays at 8:00 a. m. Laboratory three hours daily, following lectures. Total 92 hours. Four credits. Larsell.

HISTOLOGY

102. *Histology and Organology*: (Commencing Sept. 2nd.) Lecture and laboratory work daily including Saturdays, commencing at 8:00 a. m. Total 132 hours, six credits. Larsell.

CLINICAL

A limited amount of clinical work at the Portland Free Dispensary is open to medical students of Junior and Senior standing. Arrangements for credit must be made with the heads of departments. The full time required for work, in each case, in fall, winter and spring quarters, is required for summer work. Clinics are conducted in Medicine, Surgery, Dermatology, Pediatrics, Genito-Urinary Diseases, Ophthalmology, Otolaryngology, Rhinology, Laryngology, Gynecology and Obstetrics.

INFORMAL REGISTRATION BLANK

Students expecting to attend either of the Summer Sessions of the University of Oregon for 1924 are requested to fill out and return this blank, which is not binding either as to attendance or as to choice of studies. This will add greatly to the convenience of the student's registration on June 23.

1. Name in full
 2. Position
 3. Address
 4. Which session? Eugene..... Portland.....
 5. Courses desired
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SEND BLANK TO DIRECTOR OF THE SUMMER SESSION,
UNIVERSITY OF OREGON, EUGENE, OREGON

UNIVERSITY OF OREGON BULLETIN

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