

THE UNIVERSITY OF OREGON

EUGENE



PORTLAND

THE SUMMER SESSIONS

Eugene: June 22—July 31

Portland: June 22—July 31

ANNOUNCEMENTS

1925

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ALL SESSIONS

Nov 22 - Jan 11

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EUGENE

THE SUMMER SESSIONS

INTRODUCTION

The twenty-first 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.

Although there is necessarily a limited amount of duplication in the work offered, the two sessions are in the main complementary to each other. The assignment of work to each is determined by the special constituencies to be served and by the facilities available. Prospective students should examine carefully the respective announcements and should enroll in that session which is planned for the particular group to which they belong.

The Eugene session will be devoted largely to instruction of a specialized, advanced, or graduate nature, wherein the extensive library and laboratories of the University may be utilized fully. Elementary courses will be given in subjects for which the demand is heavy, or which necessitate the use of specialized facilities.

In the Portland center, undergraduate courses of a more general or popular appeal will be offered and advanced work will be restricted to courses in which substantial enrollment can be predicted. Reference work will be done in the Multnomah County Library. At this session will be found types of work in which the various resources of the city of Portland can be used effectively, as in applied sociology, Americanization, and various short courses for specialized workers.

Work offered at each session is equivalent in method, character and credit value to similar work of the academic year.

REGISTRATION, FEES AND CREDIT

Registration for the sessions will take place in Eugene and Portland on Monday, June 22. 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 period at either 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	3	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.

THE GRADUATE SCHOOL

For several years, special consideration has been given to the requirements of graduate students in planning the work of the campus summer session, which is the center of graduate study in the state. Many courses are offered each summer which are open to graduate students only and numerous other advanced courses are so arranged that they may be used for graduate credit. Library and laboratory facilities for graduate and research courses have been steadily expanded. In most departments the summer courses are arranged in two or three year sequences, thus enabling the student to meet the requirements for the master's degree by attendance at consecutive sessions, and the needs of faculty members of colleges and normal schools are definitely borne in mind in arranging the offerings. Many members of the regular staff who appear on the summer session faculty have distinguished themselves in research and productive scholarship, and the visiting members of the faculty are selected for the stimulus which they can bring to the graduate work. In addition to the six weeks of the regular summer session, 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 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 matriculation in the graduate school, major and minor subjects and thesis, which are published in the bulletin of the graduate school (to be had upon application to the registrar), and should correspond with Dr. George Rebec, dean of the graduate school, regarding the arrangement of their work.

NATURAL ATTRACTIONS

At either end of the broad Willamette valley, lie Eugene and Portland, where are held the two summer sessions of the University of Oregon. The summer climate of Western Oregon is ideal for study, with the tempering coolness of ocean breezes and with varied scenic spots perpetually in view and within easy reach.

The campus at Eugene, spreading in expansive lawn under the shadows of numerous firs and bordered by the historic mill race, offers an ever-present out-of-doors just outside the class room or hall of residence. Nearby are hills, rivers and the pleasant summer gloom of forests; within week-end reach are the beaches, the snowy Cascades, cold lakes and fishing streams. Eugene, with a population of 16,000, ranks

high among the beautiful cities of the Pacific Coast, and offers unusual attractions as a place for summer residence.

The students wishing to spend the vacation weeks in the stimulating surroundings of a large city, will find in Portland, with its third of a million population, a metropolitan environment, with unsurpassed scenery stretching out in every direction—the Willamette, the Columbia, the Coast and the Cascades. Lincoln high school, where the classes will be held, is centrally located, and is fronted with the lawn and trees of Park street that afford, in the midst of a busy city, something of the seclusion of a college campus. The multitude of opportunities for change and rest offered by Portland and by its surroundings of some of the greatest scenery in the Northwest, attract a congenial student body of ever-increasing size.



THE CAMPUS SESSION

EUGENE

THE FACULTY

P. L. CAMPBELL, B.A., 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. DOUGLASS, M.A.	.....	University Librarian
FRED L. STETSON, M.A.	.....	Director of the Eugene Summer Session

ERNEST SUTHERLAND BATES, Ph.D.	.....	Professor of Philosophy and Comparative Literature
ANNE LANDSBURY BECK, B.A.	.....	Professor of Public School Music
J. F. BOVARD, Ph.D.	.....	Dean of School of Physical Education
MARION BROWN, M.A.	.....	Dean of Girls, University High School, Oakland, California
L. L. BURLINGAME, Ph.D.	.....	Associate Professor of Botany, Stanford University
RALPH D. CASEY, M.A.	.....	Associate Professor of Journalism
ALBERT E. CASWELL, Ph.D.	.....	Professor of Physics
DAN E. CLARK, Ph.D.	.....	Associate Professor of History
EDMUND S. CONKLIN, Ph.D.	.....	Head of Department of Psychology
PETER C. CROCKATT, Ph.D.	.....	Professor of Economics
THOMAS D. CUTSFORTH, M.A.	.....	Instructor in Psychology
FREDRICK STANLEY DUNN, M.A.	.....	Professor of Latin, and Head of Department
VIRGIL D. EARL, B.A.	.....	Professor of Physical Education, and Director of Athletics
RUDOLF H. ERNST, Ph.D.	.....	Assistant Professor of English
JOHN STARK EVANS, B.A.	.....	Associate Dean of the School of Music
EVLYN FOSTER, B.A.	.....	Associate Reference Librarian
ALEXANDER A. GOLDENWEISER, Ph.D.	.....	Lecturer, New School for Social Research, New York
MARGARET B. GOODALL, B.A.	.....	Head of Department of English, University High School
GLENN E. HOOVER (Docteur en Droit)	.....	Assistant Professor of Political Science
R. R. HUESTIS, Ph.D.	.....	Assistant Professor of Zoology
EDWARD H. HULME, Ph.D.	.....	Associate Professor of History, Stanford University
CECILE L. JOHNSON, B.A.	.....	Director of Physical Education, Albany, Oregon
MABEL E. MCCLAIN, B.A.	.....	Circulation Librarian
MADAME ROSE MCGREW	.....	Professor of Voice, School of Music
WILLIAM E. MILNE, Ph.D.	.....	Professor of Mathematics
LEONARD J. NEUMAN, B.S.	.....	Instructor in Physics
EARL L. PACKARD, Ph.D.	.....	Professor of Geology
E. D. PRICE, M.A.	.....	Superintendent of Schools, Enid, Oklahoma
HOMER P. RAINEY, Ph.D.	.....	Associate Professor of Education
FERGUS REDDIE, B.A.	.....	Professor of Drama and the Speech Arts
WILLIAM J. REINHART	.....	Instructor in Physical Education
VLADIMIR ROJANSKY, B.A.	.....	Instructor in Mathematics
FREDRICH G. G. SCHMIDT, Ph.D.	.....	Professor and Head of Department of German
FREDERICK L. SHINN, Ph.D.	.....	Professor of Chemistry
MARTHA E. SPAFFORD, B.A.	.....	Continuation Cataloguer
PETER L. SPENCER, M.A.	.....	Assistant Professor of Education
F. L. STETSON, M.A.	.....	Professor of Education
H. G. TANNER, M.A.	.....	Assistant Professor of Chemistry
W. F. G. THACHER, M.A.	.....	Professor of English
ANNA M. THOMPSON, M.A.	.....	Assistant Professor of Romance Languages
REX UNDERWOOD	.....	Professor of Violin, School of Music
BENJAMIN W. WOODBRIDGE, Ph.D.	.....	Professor of French, Reed College
F. C. WOOTON	.....	Assistant in Education
HARRY E. YOCOM, Ph.D.	.....	Assistant Professor of Zoology

CALENDAR

Registration for the campus session will be on Monday, June 22, beginning at 8 o'clock in the morning. Classes will begin Tuesday, June 23. Examinations will take place on Thursday and Friday, July 30 and 31.

Post-session Study.—The regular session will end on July 31, but arrangements may be made to permit regularly enrolled summer session students in some courses the use of 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.

REGISTRATION PROCEDURE

The entering student will first secure a complete schedule of classes and detailed instructions for registration at the Administration Building. He will then go to the adviser indicated for his major subject or special group for assistance in determining his summer program. The next step will be to secure the signatures of the instructors in whose classes he wishes to register and the final approval of his adviser. Registration will be completed by paying the summer session fee at the comptroller's office and filing the study card at the registrar's office.

Students enrolling after Tuesday, June 23, will report to the Director of the Summer Session.

SUMMER COURSES

Types of Work Offered. Instruction will be offered in sixteen departments of the College of Literature, Science and the Arts, and in five professional schools. Elementary courses will be available in many subjects, but the emphasis will be placed upon upper division and graduate work. The well-equipped, scientific laboratories and the University library of more than one hundred and forty-five thousand volumes, enable the faculty to offer to students of real ability, thorough preparation, or especial interests, excellent facilities for research, experiment and intensive study.

The campus session will appeal particularly to the following groups: college students, teachers who are seeking special training or meeting degree or certification requirements, school administrators and supervisors, normal graduates, city and school librarians, adults who wish to renew their studies, and graduate or research students in academic or professional fields.

Graduate Study. Practically all departments offering summer work provide graduate courses as well as upper division courses which may be taken for graduate credit. Many of the departments are prepared to give very close attention to the needs of the individual students. The comparatively small classes, with much individual conference, the superior quality of instruction, and the excellent research facilities combine to make the campus summer session of unusual attraction to the graduate student.

THE SUMMER FACULTY

The summer session staff will be composed largely of members of the University faculty. 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, instructors from other institutions and public school administrators from other states have been invited to give special courses in fields in which they have achieved distinction. Seven visiting lecturers will appear on the Eugene summer faculty.

DAILY ASSEMBLY

A daily assembly hour at 11 is a distinctive feature that provides a center for much of the organized life of the campus session. Musical programs under direction of the school of music, readings by members of the departments of English and of drama, and addresses upon topics of general interest by local and visiting lecturers will be included during the 1925 session. Through the assembly lectures the students will be

brought in touch with recognized authorities in education, philosophy, literature, history, natural science, sociology and political science. The quality of these addresses is indicated by the following partial list of speakers for the coming summer: Dr. A. A. Goldenweiser of New York, Dr. Edward Hulme and Dr. L. L. Burlingame of Stanford University, Dr. Joseph Schafer of the Wisconsin State Historical Society, Superintendent E. D. Price of Oklahoma, Dean H. D. Sheldon and Dean George Rebec of Oregon.

The first assembly of the session, at eleven o'clock, on Tuesday, June 23, will be given in the beautiful new recital hall of the school of music, and will give the summer students an opportunity to hear members of the music faculty whose exceptional artistry is well recognized. Addresses by Dr. David Snedden, of Teachers' College, an eminent figure in American education, on June 29 and 30, will be of particular interest to all teachers.

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.

In addition to the above, Dr. L. L. Burlingame, of Stanford University, will give a teachers' course in biology, and Professor F. S. Dunn, head of the Latin department, will offer a course in Latin pedagogy.

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 400 vacancies, including 50 or more calls for superintendents and principals. In a number of cases no qualified candidate could be recommended. Salaries ranged from \$125 per month to \$3,600 per year.

Educational Conference—The annual conference of superintendents and principals will be held on the campus Friday and Saturday, June 26 and 27. The program of this conference is centered upon significant problems in certain phases of public education each year, and there is an extensive participation by educational leaders from all parts of the state. The 1925 conference program, to be announced soon, will include, among other topics, discussions of school finance in Oregon and of the scientific adjustment of school work to the needs of individual pupils. In addition to representative school men from the state, conference speakers will include Superintendent E. D. Price of Oklahoma and Dr. H. P. Rainey of Oregon.

THE SCHOOL OF MUSIC

The summer session of the school of music will be under the supervision of John Stark Evans, associate dean of the school and professor of organ and piano. The recently completed recital hall of the school will be available for summer concerts, and for the first assembly of the session on Tuesday, June 23, at eleven o'clock.

Instruction in applied music will be given by the heads of various departments of the school. The vocal work will be under the direction of Madame Rose McGrew, who, in addition to voice lessons, will give a course in operatic coaching and repertoire. In addition to her own wide experience as an opera singer, Madame McGrew has made a special study of coaching problems and methods.

Mr. Rex Underwood, professor of violin and head of the department and conductor of the University Symphony Orchestra, will give the violin work and also offer a class in orchestral organization.

The work in both piano and organ will be given by John Stark Evans. Mr. Evans will, in addition, give a course in keyboard harmony. Organ lessons will be given on the large four-manual Reuter organ in the recital hall of the school of music. This organ, a recent gift to the University, is one of the finest in the entire Northwest.

Students of applied music will find practice rooms well equipped and comfortable, in the music building, for those specializing in voice, piano or violin. Organ students will have available the organs in three nearby churches.

SCHOOL OF PHYSICAL EDUCATION

The summer offerings of the school of physical education deal with four different fields. General discussion courses will be given covering the theory and practice of physical education problems for primary and secondary schools; these courses are especially adapted to the needs of administrators. For those interested in the technique of physical education programs for schools, in gymnastics, drills, folk dancing and play periods, work has been arranged which is introductory to the subject and suitable for those who have had little or no training or experience.

The course in school health problems offers a good introduction to the fundamentals of the subject and to the lines of study that should be pursued by those who wish to continue work in this field.

Expert coaching practice and a critical study of strategy in each of the major sports is also provided, under the supervision of coaches who have not only been successful in college work, but have had years of experience in the high school field. These courses are valuable also for those who want a better knowledge of the various popular sports for their own pleasure.

Under the direction of the school of physical education is offered also a varied program of recreation for the summer students—the use of the swimming tanks, tennis courts, golf links, and so forth, together with hikes, picnics and entertainments of many kinds. Those who will get most out of their summer work are the ones who do not neglect a wholesome amount of relaxation, and come prepared to participate.

FIELD STUDY

Marine Zoology Station. The department of zoology will offer instruction in marine zoology this summer as a new feature in the summer session program. The site chosen is Sunset Bay, on the coast about fourteen miles from Marshfield, Oregon. The work will be conducted as a field course with the aim of giving students a first-hand acquaintance with the shallow water and shore forms in their natural surroundings.

Within easy reach of this location are to be found a great variety of environmental conditions. In the immediate vicinity of Sunset Bay the coast is abrupt, with a narrow, rocky beach and numerous tide pools, but within working distance are sandy beaches, mud flats, and shallow water expanses. The animal life is abundant and unusual opportunity is offered for one to become acquainted with the various groups of invertebrate animals.

Living at Sunset Bay will be semi-camp style. Four small cottages will provide quarters for part of the group, while tents and cots will be supplied for others. Plain, wholesome food will be served at cost. All in all, living will be of a simple type and can be enjoyed only by those willing to do with a minimum of modern conveniences.

The course will begin Monday, June 22, and continue for five weeks, ending July 25. Class work will be carried on six days a week. Eight term-hours credit will be given for the work. The enrollment will be limited to the number that can be cared for properly with the equipment available.

The total cost to the student, including the summer session fee, transportation from Eugene and return, and living expenses is estimated not to exceed \$75.00. Registration for this course must be completed by June 10. Anyone planning to take the work should correspond with Dr. H. B. Yocom, department of zoology, University of Oregon, Eugene, Oregon, at the earliest possible date.

Summer Geology Camp—The annual summer field course conducted by the department of geology for advanced students will be carried on this year in the vicinity of Ashland, Oregon. The work will begin on Wednesday, June 17, and will continue for four weeks, class work being carried on six days a week. Seven term-hours credit will be given.

The party will operate from camps. In addition to the registration fee of \$12.50, the expenses will include transportation to Ashland and return, and the cost of a side trip to some point of special geologic interest, together with the cost of subsistence, the latter probably not exceeding \$25.00 for the four weeks.

RECREATIONAL OPPORTUNITIES

The men's gymnasium and the women's gymnasium, each including a splendid swimming pool, will be open to summer students. Tennis on the University courts, among the finest in the Northwest, canoeing, riding, and golf, will appeal to many, while numerous other opportunities will be available for those who wish less strenuous exercise. Organized games

and tournaments are a feature of interest each summer.

Week-end hikes to neighboring points of interest will be organized, as well as longer trips by automobile to the snow-capped Sisters in the Cascade range, or to the Pacific coast. Students should bring equipment for the sports they enjoy and old clothes suitable for outings. Announcements of recreational plans will be made at the daily assemblies, and by posters on the campus.

BOARD AND ROOM

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.

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.

The rooms in the halls are completely furnished, and adequate bedding is provided. Towels, however, are not provided, and the summer student should bring his own supply.

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.

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.

Reservation for residence in the University halls 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 HUESTIS, Assistant Professor YOCOM

LOWER DIVISION

21. *General Biology*. For lower division students. The general functions of protoplasm and its organization into plant and animal cells; the role of green plants in the manufacture and storage of carbohydrates and their derivatives; the utilization of food by plants and animals as a source of building material and energy; the role of muscles, nerves, and organs of special sense in relating organisms to their environment; the interrelations of organisms giving rise to disease, death and decay. Burlingame. Daily at 8. *Three hours.*

*22. *General Biology Laboratory*. Designed to accompany and supplement Biology 21. Two afternoon laboratories weekly. Burlingame and Huestis. Time to be arranged. *One hour.*

*23, 123. *Field Study of Oregon Birds and Mammals*. A study of birds and mammals as they appear in their natural surroundings in the vicinity of Eugene. Animal habits, habitat preferences and associations will be taken up. Animals will be identified by their common names, field work being augmented by a study of prepared specimens and of lantern slides. Fundamental facts and theories of natural science will be discussed. Morning walks, 7-9 a. m., or lectures, 8-9 a. m., and Saturday morning trips, with some afternoon laboratory work. Not for graduate credit. Huestis. *Three Hours.*

UPPER DIVISION

122. *Teachers Course in Biology*. Lectures and conferences open to teachers or prospective teachers of biological sciences who are adequately trained in botany, zoology or physiology. Subject matter for high school use, and elaboration of guiding principles in choosing and arranging such material. Individual preparation and discussion of actual laboratory exercises. Burlingame. Daily at 10. *Three hours.*

125. *Marine Zoology*. Research contributory to a faunistic survey of the Oregon coast, by the department of zoology, covering a large variety of animal forms in their natural habitats; largely concerned with an ecological and systematic study and collection of the forms available.

* Either 22 or 23, 123 will be given if demand is sufficient.

Adapted to advanced undergraduates and graduates in zoology. Open to a limited number of students with no previous training in zoology, who should enroll for Zoology 25. Camp headquarters at Sunset Bay. Yocom. *Credit to eight hours.*

GRADUATE DIVISION

203s. *Biological Research.* Properly qualified students will be accepted for research in cytology, genetics, or plant morphology. Enrollment by arrangement. Correspondence invited. Burlingame.

Hours to be arranged.

CHEMISTRY

Professor SHINN, Associate Professor WILLIAMS, Assistant Professor TANNER

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 courses 4s and 5s.

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. Tanner. *Nine hours.*

4s, 5s. *Analytical Chemistry.* Quantitative analysis, either gravimetric or volumetric. One or two recitations per week with daily laboratory work forenoons and afternoons. Shinn. *Credit to nine hours.*

Sas,bs. *Organic Chemistry.* A course especially designed for pre-medical students, but suited to the needs of anyone wishing an introduction to the subject. Two lectures or recitations and one three-hour laboratory period per day throughout the session. Shinn, Williams. *Nine 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 assigned readings 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. Staff.

Hours to be arranged.

DRAMA

Professor REDDIE

UPPER DIVISION

110. *Teachers Course in Play Producing.* Arranged to suit the needs of those who are confronted with the problems of play production in high schools and colleges. Discussion and practical work in the various phases of stagecraft and the interpretation of plays through the medium of mechanics. Scenery construction and decoration, lighting, furnishing, properties, make-up and costuming with a view toward their simplification. Special stress upon the securing of adequate effects upon stages where the equipment is meagre. Daily at 1. *Three hours.*

111. *Interpretation of Drama.* Voice quality and how to acquire it. Character delineation, bodily rhythm and stage or platform appearance. Study of the relation of the actor or interpreter to the play as a whole. The course is designed for those who are required to produce plays as well as for those taking part in them, or for those desiring the work as a general aid in securing an easier and more gracious manner when appearing in public. Daily at 2. *Three hours.*

ECONOMICS

Professor CROCKATT

LOWER DIVISION

3s. *Principles of Economics.* Stages of economic development; underlying principles of economics applied to production, exchange and distribution. Practical applications of sound principles to such current problems as monetary and banking reform, commercial policies and regulation of international trade, taxation of land values, assistance to agriculture, conservation, labor problems, regulation and government ownership of railways, public utilities, control of the trusts, etc. Daily at 9. *Three hours.*

UPPER DIVISION

127. *Economics of Transportation.* A brief history of important forms of transportation. Railways, highways, and waterways, both inland and ocean. Effects of transportation upon the distribution of population, land values, division of labor, prices, social relations, etc. Economics of rate making, the combination and consolidation of railways, financing and building, state and federal regulation, valuation of railways, labor problems, subsidies and government ownership. Prerequisite, principles of economics. Daily at 10. *Three hours.*

128. *Recent Transportation Problems.* A more advanced discussion with the application of principles of economics to modern and recent problems in transportation, especially as applied to the Northwest. Motor bus and truck competition with railways, inland waterways, new railways, the long and short haul, the consolidation of railways, reduction of rates, car shortages, etc. Panama Canal competition, American merchant marine, Pacific shipping and American Pacific ports, the Transportation Act of 1920, the Railroad Labor Board and Brotherhoods. Prerequisite, principles of economics and if possible an introductory course in transportation. Monday, Wednesday, Friday, at 2. *Two hours.*

EDUCATION

PROFESSOR STETSON, Superintendent PRICE, Associate Professor RAINEY,
 Dean MARION BROWN, Assistant Professor SPENCER,
 Mrs. GOODALL, Mr. WOOTON

LOWER DIVISION

51s. *Introduction to Education.* The interrelations of elementary, secondary, and higher education. Support of schools from district, county, state, national government; U. S. Bureau of Education; journals and other publications in the field of education. The Oregon school laws, Oregon state library. The origin of the course of study, its purpose. Our biological and social inheritances. Some changing conceptions of education; acceleration, retardation, elimination; rural school problems. Relation of school to local environment. A democratic conception of education. Open to sophomores. Rainey. Daily at 2.

Three hours.

53s. *Educational Psychology.* A study of human behavior, including the physiological basis for behavior, instincts, types of personality, laws of learning, principles of economy in learning, transfer of training, and the influence of fatigue, drugs, etc., as conditions in learning. Spencer. Daily at 8.

Three hours.

UPPER DIVISION

110. *The Teaching of Social Science.* Present tendencies in the social sciences, especially history and civics: Aims and content. Recent literature on method, emphasizing supervised study, the problem and the project, socialized procedure, and visual instruction. Selection and presentation of supplementary material. Practical discussion of classroom problems. Stetson, Wooton. Daily at 1, observation at 8. *Three hours.*

111. *The Teaching of Literature.* Aims of study of literature in high school; principles governing choice of material; presentation of different types; study habits in literature; silent reading habits; class dramatization; outside reading interests; correlation of literature with composition. Goodall. Daily at 3. Observation at 10. *Three hours.*

112. *The Teaching of Mathematics.* A study of recent literature in relation to mathematics teaching. The report of the National Committee on the Reorganization of Secondary Mathematics will be used to determine aims and values of this subject as well as the content for various topics taught; current magazine articles dealing with methods of teaching, testing, diagnosis, and remedial work. Spencer. Daily at 2. Observation at 9. *Three hours.*

Each of the preceding three courses, 110, 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.

120. *Organization, Administration and Supervision of a School System.* A concise and authoritative analysis of the most important phases of a superintendent's work, including such problems as: (a) Hygiene and sanitation of school buildings; (b) Selection of teachers, salary schedules, improving the teacher, introducing a testing and measuring program, directing principal and teachers collectively, types of supervisors; (c) Classifying pupils, the curricula, courses of study, minimum essentials, supervised study; (d) Objective visitation of classes, origination of diagnostic tests, application of standard measurements, working with the board and the patrons. Price. Daily at 8. *Three hours.*

121. *The Scientific Classification of Pupils.* The advantages of scientific classification of pupils and a complete plan for introducing and operating such a classification. Based upon a successful experiment of more than three years at Enid, Oklahoma, which has attracted nationwide attention. Detailed study of problems in measuring pupils' abilities and achievements. Organization and administrative difficulties involved in classification. Price. Daily at 10. *Three hours.*

185. *Problems and Procedure for Deans and Advisers of Girls.* A course in the educational guidance of high school girls, including problems of health, mental hygiene, vocational guidance, education for leisure, extra curricular activities, and academic guidance. The work of the dean of girls as administrator, adviser, teacher, and technical expert in dealing with problems of high school girls. Brown. Daily at 9. *Three hours.*

186. *Organization and Supervision of Student Activities.* Objectives and principles underlying the social program; organization and administration of extra curricular activities, such as: student body government, clubs, class organizations, social functions, school productions, etc. Brown. Daily at 2. *Three hours.*

187. *Improving High School Efficiency.* Analysis of the best recent developments in high school practice regarding selected phases of organization, administration and supervision, with their relation to the aims and functions of education. Stetson. Daily at 9. *Three hours.*

GRADUATE DIVISION

218. *Round Table—Problems of the High School Girl.* A detailed and careful study of personal problems of the adolescent girl, as encountered by the dean of girls or the school adviser. Open to experienced teachers only. Brown. Time to be arranged. *One or two hours.*

271s. *Problems in School Administration.* Individual investigations or special problems in the field of administration and supervision. Open to students of extended training and experience. Price. Time to be arranged. *Two or three hours.*

275. *The Constitutional and Legal Bases of Education.* A judicial interpretation of some of the major problems of school organization and administration. Analytical study of higher court decisions relating to school problems, an effort to get the best judicial interpretations of school laws relating to such problems as: The source of educational control, the nature and power of school districts; the election, powers, and duties of school officers; the powers of school boards to make rules, contracts, and to remove teachers; the liability of school districts on contracts, bonds, for negligence, for maintaining a nuisance, etc. Rainey. Daily at 1. *Three hours.*

276. *A Seminar in Educational Finance.* Designed primarily for school executives and others interested in the problems of financing public education. Problems of the cost of education—unit costs; a study of state systems of financing education; the problems of school revenues; the development of a financial policy in operating schools. Each member of this class will be expected to contribute something to the course by doing a small problem of research in this field. Rainey. *Hours to be arranged.*

ENGLISH

Professors BATES, ERNST, 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.

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.

167. *Prose Fiction.* A study of the novel intensively, as a work of art, rather than as a social record. Specimen stories, both short and long, examined critically to discover the writer's relation to his material; the principles underlying his processes of selection and arrangement; the scope and direction of his creative activity. Out of this study there should emerge some criteria by which works of prose fiction may be evaluated. Thacher. Daily at 2.
Three hours.

173. *The Contemporaries of Shakespeare.* A study of the literature of the Elizabethan age, with discussion of the influences on Shakespeare of the work of his contemporaries. Bates. Monday, Wednesday, Friday, at 1.
Two hours.

193. *Contemporary Literature.* The growth of modern literature from the late Victorian period to the more recent developments of the drama and the novel. Meredith, Hardy, Galsworthy, Conrad, Shaw, and others. Ernst. Daily at 9.
Three hours.

194. *The Drama.* Some consideration of Greek drama and its relation to English plays. Emphasis on the development of the English drama to 1880. Lectures and reports. Ernst. Daily at 10.
Three hours.

GRADUATE DIVISION

221. *Graduate Seminar in English.* Ernst. *Hours to be arranged.*

GEOLOGY

Professor PACKARD

UPPER DIVISION

170s. *Advanced Field Geology.* A detailed field study of an area near Ashland, Jackson County, Oregon, lying within the Siskiyou Range. This region affords a wide scope 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. Open only to students having at least one year's course in geology. Enrollment limited to twelve.
Seven hours.

GERMAN

Professor SCHMIDT

LOWER DIVISION

1s. *Elementary German*. Text: Essentials of German by Vos, fifth edition. Intended for students who wish to acquire quickly a reading knowledge of the language for scientific purposes or to review the essentials. Students successfully 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

108. *Advanced German*. Reading of narrative and descriptive prose of recent authors: Keller, Meyer, Heyse, Auerbach, Wildenbruch, Hauptmann, Sudermann, Mann, Frenssen, etc. (Adapted to the preparation of those who register for the course. Second year students can be admitted, if properly prepared). Daily at 10. *Three hours.*

136. *German Literature*. (a) Classical: Lessing, Goethe, Schiller, Heine, etc. (b) Modern. Reading of masterpieces. Daily at 9. *Three hours.*

GRADUATE DIVISION

216s. *German Seminar*. For advanced undergraduates and graduates, especially for major students. The work will be adapted to the needs of students electing the course. *Hours to be arranged.*

HISTORY

Associate Professor CLARK, Associate Professor HULME

LOWER DIVISION

4s. *The Middle Ages*. Beginning with the decay of the Roman Empire, the development of medieval life and institutions will be studied. Life under feudal conditions—feudalism crescent, feudalism militant, and feudalism decadent. The medieval church as the controlling force influencing every element of the life of the time. Life in the castles, Byzantine civilization, Saracenic civilization, the results of the crusades, life on the farms, life in the monasteries, life in the towns, life in the universities, the culture of the courts, the rise of vernacular languages and literatures and the dawn of the Renaissance. Hulme. Daily at 8. *Three hours.*

72s and 172s. *History of the United States, 1815-1850*. A study of national development from the close of the War of 1812 to the compromise of 1850. The Monroe doctrine, the Missouri compromise, the Jacksonian era, the annexation of Texas, the war with Mexico, the Oregon question, tariff controversies, the emergence and growing bitterness of the slavery issue, the westward expansion of the American people, etc. Helpful to teachers of history and government. Not available for graduate credit. Clark. Daily at 8. *Three hours.*

NOTE—Of the above courses, not more than three will be given. Selection to be determined according to demand.

UPPER DIVISION

144. *Civilization in the Nineteenth Century.* Various movements of thought and ideals of culture and conduct that have been influential since the beginning of the industrial revolution in the life of western Europe. The rise of questions about life, various attitudes toward life that men have adopted. The pleasure seekers, the quietists, the materialists, the mystics, the romanticists, and those whose life is directed by the ideals of social service. Hulme. Daily at 9. *Three hours.*

178. *The Westward Movement.* The period since 1850 west of the Mississippi river. The mining booms, the opening of new Indian lands, the cow country, and the steady march of American settlers. The building of railroads and improved means of communication. Congressional legislation; western territorial and state governments. Political movements originating in the west. Not a duplication of course 179, *The West in American History.* Clark. Daily at 10. *Three hours.*

GRADUATE DIVISION

200. *Historical Criticism.* A study of the principles of historical writing and criticism. Open to advanced students of history who have had adequate preparation. Clark. Tuesdays and Thursdays at 2. *Two hours.*

231. *The Italian Renaissance.* A reading, or seminar, course. Studies will be made of the evolution of the new and broadening thought of this critical and formulative period, of the revival of nationality and individuality, of the development of humanism, of literature, of art, of science, of conscience, of the changing economic and social conditions, of the development of political theory, and of the transformation of law. Hulme. *Hours to be arranged.*

JOURNALISM

Associate Professor CASEY

LOWER DIVISION

33. *News writing.* The structure of the news story and principles of reporting. Methods of getting news; the judging of news values; the writing of news; types of news writing, including the conventional and unconventional treatment. School news and publications and the supervision of high school publications. The class will be the reportorial staff for the Summer Session Sun. Tuesday and Thursday at 8. *One hour.*

UPPER DIVISION

122. *Magazine and Feature Articles.* The distinctive non-fiction requirements of the newspaper, the newspaper syndicate, the Sunday magazine section, and the magazine; subjects and material for the feature story and magazine article. Types of articles; how to write the article for its special market; preparing and selling the manuscript. A survey of magazine markets and special needs of various types of magazines. Specialized journals of the various professions and vocations, including magazines devoted to education. Daily at 9. *Three hours.*

LATIN

Professor DUNN

UPPER DIVISION

151bs. *Classic Antiquities*. This is to be an illustrated course, in which the vast field of art and archaeology will be requisitioned to illuminate the classics. Only a suggestion of the wealth of material to be employed may here be given in such titles as "Homer in Art," "Vergil's Aeneid," "The Pergamene Sculptures," "The Acropolis," "A Trip Through Ancient Rome," "The Portraits of Caesar and Cicero," "The Catacombs," "Rome in the Provinces," "Greek Tragedies," etc. Monday, Wednesday and Friday at 9. *Two hours.*

151cs. *Latin Pedagogy*. This course, as its name indicates, is intended to be of a laboratory and experimental nature for teachers—the discussion of practical questions such as pronunciation, quantity, syntax, idioms, composition, derivation, methods, texts, plays, classic novels, etc. The ordinary four-year course in High School Latin will be treated to a thorough diagnosis and clinic. Daily at 8. *Three hours.*

153. *Caesar's "Bellum Civile."* This course is designed for a two-fold purpose—rapid reading of an advanced nature and the discussion of Caesarean antiquities. It will satisfy the needs of two classes of students—those that wish a reading course and those who desire extended acquaintance with Caesar for teaching purposes. The text is therefore chosen advisedly as new ground for both classes, the "Civil War" being a classic not ordinarily read either by undergraduates or by teachers. The "Greater Caesar" and Caesarean bibliography will occupy a generous share in the discussion. Daily at 10. *Three hours.*

LIBRARY METHODS

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

LOWER DIVISION

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.*

5. *Administration of the School Library*. A general course designed for school library workers, teachers, librarians and teacher-librarians. Foster. Daily at 9. *Three hours.*

MATHEMATICS

Professor MILNE, Mr. ROJANSKY

LOWER DIVISION

4s. *Plane Trigonometry*. An elementary course dealing with the solution of triangles and with simple applications to wave motion. Rojansky. Daily at 8. *Three hours.*

UPPER DIVISION

*105s. *Theory of Equations*. Deals with the general properties of algebraic equations and with practical methods for solving equations of the third or higher degree. Milne. Daily at 8. *Three hours.*

*110s. *Projective Geometry*. A brief course treating projective transformations, the principle of duality, cross-ratio, and some properties of conics. Prerequisite, calculus. Milne. Daily at 9. *Three hours.*

*111s. *Theory of Probability*. A brief introductory course on the theory and applications of probability. Prerequisite, calculus. Milne. Daily at 10. *Three hours.*

*114. *Modern Algebra*. Introduction to the theory of linear dependence, linear equations, and theory of matrices. Prerequisite, differential equations. Milne. Daily at 10. *Three hours.*

GRADUATE DIVISION

204s. *Mathematical Seminar*. Conferences and reports on assigned subjects. Milne. *Hours to be arranged.*

MUSIC

Professor EVANS, Professor BECK, Madame MCGREW, Professor UNDERWOOD

LOWER DIVISION

6s. *Keyboard Harmony and Ear Training*. A course aiming to teach students how to think music in the terms of the piano. Prerequisite, Course 1 or 5 of regular year. Fee of \$9.00. Evans. *Two hours.*

31s. *Orchestral Organization*. Including elementary instruction in stringed instruments. Class limited to ten. Fee of \$9.00. Underwood. *One hour.*

41. *Elements of Musical Science*. The history, construction and treatment of harmonic forms. Terminology, major and minor scales, intervals, major and minor triads, inversions, general theory of harmonic progression, etc. Dissonant combinations, open position, etc. Modulation, foreign tones, contrapuntal chords, the augmented chords, enharmonic equivalents, modern scales and the 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. Beck. Daily at 2. - *Three hours.*

42. *Elementary and Junior High School Music for Public Schools*. Teaching methods for the first six grades and the junior high school. A practical course for teachers, developing the problems peculiar to each

* Only three of these four courses will be given.

grade; special attention to rural schools and to grades seven and eight. Music publications suitable for these grades; problems in the "boy voice"; melody writing; use of the talking machine in the grades; problem of "school entertainments." Beck. Daily at 1. *Three hours.*

44. *Music and Civilization.* Designed to show that the love of music is a measure of the development of civilized peoples. Musical life as interlocked with literature, other fine arts, and man's social and religious life in general. The influence of folk music on classical, romantic and modern periods; music and the drama; symphony orchestra and its antecedents. Beck. Daily at 8. *Three hours.*

51s. *Operatic Fundamentals.* Training in the fundamentals of operatic tradition. Practical work in reproduction of excerpts of the less pretentious examples of classical, romantic and modern opera. Fee of \$9.00. McGrew. *Three hours.*

In addition to the courses listed above, there will be courses in applied music given by the regular staff of the school of music, under the direction of John Stark Evans, associate dean. Lessons in applied music are one-half hour in length and may be taken either once or twice a week. The fees for the session are as follows:

		One Lesson per Week	Two Lessons per Week
Voice	Mme. McGrew	\$18.00	\$36.00
Violin	Mr. Underwood	18.00	36.00
Piano	Mr. Evans	18.00	36.00
Organ	Mr. Evans	18.00	36.00

PHILOSOPHY

Professor BATES

UPPER DIVISION

116. *Plato.* Lectures upon Plato's relation to his predecessors and contemporaries. Reading of as many of the dialogues as time will permit. Time to be arranged. *Three hours.*

GRADUATE DIVISION

202s. *Graduate Seminar in Philosophy.* Bates. *Hours to be arranged.*

PHYSICAL EDUCATION

Dean BOVARD, Professor EARL, Mr. REINHART, Miss JOHNSON

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. Courses 31, 35, 39.

II. Classes for those interested in the modern interpretation of theories and programs of physical education. Courses 116 and 177.

III. Advanced courses in physical education for those who have had elementary work and desire to pursue advanced courses. Courses 35, 116, 177.

IV. Special courses for those who plan to coach the major sports; courses in basketball, baseball, football and track. Courses 39, 51, 55.

LOWER DIVISION

*31. *Elementary Gymnastics*. For all students, but particularly for those beginning a physical education training course. Gymnastic drills, calisthenics, classroom exercises. Johnson. Daily at 9. *One hour.*

*33. *Swimming*. Elementary and advanced swimming. Credit may be arranged by consultation with instructor. 3:30-5:30 daily.

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

39. *Sports*. Organization and direction of the principal games and sports suitable for high schools and grade schools. A selection of only the most important material suitable for playgrounds and recess periods without reference to major sports coaching. Johnson. Daily at 10. *Two hours.*

51. *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.

51fb. *Football*. First three weeks. Earl. Daily, 3:30 to 5:30. *One hour.*

51bk. *Basketball*. First three weeks. Reinhart. Daily, 1 to 3. *One hour.*

51tr. *Track*. Second three weeks. Earl. Daily, 3:30 to 5:30. *One hour.*

51bb. *Baseball*. Second three weeks. Reinhart. Daily, 1 to 3. *One hour.*

55. *Physical Diagnosis*. Emergencies and bandaging. A discussion of conditioning and elements of physical training, care of the athlete in major sports calculated to keep him in best possible condition as well as how to meet the accidents that may arise. Earl. Daily, 3 to 3:30. *One hour.*

UPPER DIVISION

116. *Problems in Physical Education*. Modern movements in elementary and secondary school programs; basic theories underlying construction of programs; place of physical education in general scheme of education; evaluation and criticism. Bovard. Daily at 9. *Three hours.*

177. *School Health Problems*. Organization of school health programs; relation to physical education; relation to general education plan; relation of school health to community health. Bovard. Three lectures a week. S. *Two hours.*

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

PHYSICS

Professor CASWELL, Mr. NEUMAN

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 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. Laboratory fee, \$1.00. 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. Laboratory fee, \$1.00. 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. Laboratory open every afternoon. Laboratory fee, \$4.00 per credit hour. Neuman. *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. Laboratory fee, \$4.00 per credit hour. Neuman. *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 HOOVER

LOWER DIVISION

2s. *State and Local Government.* The origin, development, organization and operation of state, municipal and rural government in the United States. Daily at 10. *Three hours.*

UPPER DIVISION

109. *Government and Business.* The principles underlying governmental regulation of business and their application in the United States. Property under the Constitution. The increase of public regulation. Railroad and Anti-trust law. Legislation dealing with trade-unions, child labor, minimum wage, traffic in liquor and drugs and business affected with a public interest. Daily at 2. *Three hours.*

110s. *World Politics.* Changes and settlements resulting from the Great War. The Treaty of Versailles. The League of Nations and its work. The World Court. The world peace movement since the formation of the League. Present position of the United States among the world powers. Monday, Wednesday, Friday at 1. *Two hours.*

PSYCHOLOGY

Professor CONKLIN, Mr. CUTSFORTH

LOWER DIVISION

1. *General Psychology.* This is a condensed first course in psychology covering the essential facts concerning sensation, perception, attention, thinking, instinct, feeling, emotion, etc. Covers so far as possible the same material as the course known as Beginners Psychology given during the regular academic year. Conklin. Daily at 9. *Three hours.*

2. *Beginners Laboratory.* An exact duplicate of the laboratory work given in connection with the beginners course during the regular academic year. Three hours laboratory daily. Students who have done part of the laboratory work in the regular academic year may complete their work by registering for whatever third or two-thirds of the course meets their deficiency. Recommended for students anticipating major work in psychology, and for transfers from other departments or institutions, who lack training in laboratory technique. Cutsforth. Daily, 1 to 4.

One, two or three hours credit, as arranged.

NOTE—Students may register for both 1 and 2, but such a combination will not meet the university requirement in laboratory science, because of the brevity of the work in course 1. Students who have had beginners psychology during the regular academic year without the laboratory, may register for course 2 and thus complete the science group requirement.

UPPER DIVISION

118. *Psychology of Abnormal and Borderline Phenomena.* Psychological aspects of mental diseases, hysterical disturbances, multiple personality, hypnotism, trance states, telepathy, and theories of mental healing. Conklin. Daily at 8. *Three hours.*

107 or 207. *Research and Thesis.* The investigation of some special topic under the direction of the instructor. Graduate students may use this as a means for the beginning of thesis work for an advanced degree. Conklin. *Hours and credits to be arranged.*

ROMANCE LANGUAGES

Professor WOODBRIDGE, Assistant Professor THOMPSON

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 and a short easy text will be interpreted. Woodbridge. Daily at 9. *Three hours.*

*2s. *Second Year French.* Review of grammar, composition, conversation, dictation, translation of modern French authors. Woodbridge. Daily at 10. *Three hours.*

11s. *Elementary Spanish.* Grammar, pronunciation, conversation and composition. A beginning course for teachers and students who have had no Spanish. Essentials of Spanish grammar completed. Thompson. Daily at 8. *Three hours.*

12s. *Second Year Spanish.* Grammar reviewed. Pronunciation, conversation and composition continued. Translation and study of a representative piece of Spanish literature. Thompson. Daily at 9. *Three hours.*

UPPER DIVISION

*103s. *French Literature.* Intensive and extensive reading of works of various periods. A general review of French literature, beginning with the seventeenth century. Woodbridge. Daily at 10. *Three hours.*

*114s. *Spanish Literature. Fourth Year.* Introduction to Spanish literature. Reading and discussion of works of representative authors. Reports in Spanish. Thompson. Daily at 10. *Three hours.*

*116s. *Spanish Composition. Third Year.* Composition, oral and written, based upon Spanish text and upon topics of general interest. Thompson. Daily at 10. *Three hours.*

GRADUATE DIVISION

208s. *Graduate Study in French.* 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. Woodbridge. *Hours and credits to be arranged.*

* Either 2s or 103s and 114s or 116s will be given.

SOCIOLOGY

Professor GOLDENWEISER

LOWER DIVISION

10. *Primitive Social Life.* A systematic review of the social groupings found in primitive society in their static as well as dynamic aspects. The local group, family, clan, gens, phratry, tribe, state, age group, sex group, relationship group and occupational group, with concrete illustrations from different parts of the primitive world. How these social units function in the actual life of a primitive community. A brief review of the theories of primitive society and of its evolution; some comparative notes on primitive and modern society. Daily at 9. *Three hours.*

UPPER DIVISION

135. *Theories of Evolution and Progress.* A review of leading contributions to the theory of social evolution from Herbert Spencer to recent times. Herbert Spencer and the classical anthropologists; Karl Marx and the economic interpretation of history; Wilhelm Wundt's folk psychology; the evolutionary thought of Lester F. Ward, and Franklin H. Giddings; and the critical work of Franz Boas and the American school of historical ethnology. An exposition of the revised conceptions of culture, evolution and progress as they appear in modern sociological and philosophical thought, represented by such writers as John Dewey, Bertrand Russell and George Santayana. Daily at 10. *Three hours.*

GRADUATE DIVISION

201. *Journal Club on Theoretical Sociology.* *Hours to be arranged.*



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 the Portland Summer Session
ALFRED POWERS, B.A.	.....	Assistant Director of the Portland Summer Session
CARLTON E. SPENCER, B.A., LL.B.	.....	Registrar of the University
MARGARET M. SHARP	.....	Secretary of the Portland Center

ELIZABETH R. BEALER	.....	Local Director, Portland Council of Girl Scouts
HAROLD E. BENJAMIN, M.A.	.....	Assistant Professor of Education, University of Oregon
WILLIAM H. BOYER	.....	Supervisor of Music, Portland Public Schools
WALTER H. BROWN, M.D.	.....	Director, Marion County Child Health Demonstration
BARRY CERF, Ph.D.	.....	Professor of Comparative Literature, Reed College
VICTOR L. O. CHITTICK, Ph.D.	.....	Professor of Contemporary and American Literature, Reed College
MARGARET D. CREECH, B.A.	.....	Assistant Director, Portland School of Social Work, University of Oregon
EDGAR E. DECOU, M.S.	.....	Professor of Mathematics, University of Oregon
SAIDIE ORR-DUNBAR	.....	Executive Secretary, Oregon Tuberculosis Association
ANDREW FISH, Ph.D.	.....	Assistant Professor of History, University of Oregon
FREDERICK W. GOODRICH	.....	Instructor in Music, Portland Center
HENRY M. GRANT, B.A.	.....	Executive Secretary, Oregon Social Hygiene Society
A. M. GRAY	.....	Supervisor of Evening Schools, Portland Public Schools
FRANCES HAYS	.....	Field Secretary, National Congress of Parents and Teachers
JOHN C. HENDERSON, B.S.	.....	Director, Portland Community Service, Incorporated
RALPH C. HOEBER, M.A.	.....	Instructor in Economics, University of Oregon
J. E. AINSWORTH JOHNSTONE, B.A. (Oxon)	.....	Instructor in Classics, University of Oregon
GRACE EDGINGTON JORDAN, B.A.	.....	Instructor in English
WILLIAM F. KENNEDY, M.A.	.....	Professor of Education, University of Pittsburgh; Director of Platoon Schools, Pittsburgh
EARL KILPATRICK, B.A.	.....	Dean of the Extension Division, University of Oregon
ESTHER M. KREBS	.....	Instructor in Art, Portland Center
ROBERT KROHN	.....	Supervisor of Physical Education, Portland Public Schools
ETHEL C. MCKAY, B.A.	.....	Director for Statistics, Marion County Child Health Demonstration
PHILIP A. PARSONS, Ph.D.	.....	Director of the Portland School of Social Work, University of Oregon
ELSIE A. POND, M.A.	.....	Supervisor of Upper Grades, Santa Barbara State Teachers' College and Junior College
ALFRED POWERS, B.A.	.....	Associate Professor of Journalism, University of Oregon
GEORGE REBEC, Ph.D.	.....	Professor of Philosophy, University of Oregon
CHARLES N. REYNOLDS, M.A.	.....	Executive Secretary, University of Oregon Medical School
KATE SCHAEFER, B.A.	.....	Instructor in Art, University of Oregon
ANNE SIMPSON, B.A.	.....	Director for Health Education, Marion County Child Health Demonstration
JOSEPH SCHAEFER, Ph.D.	.....	Superintendent of the State Historical Society of Wisconsin
DOROTHY E. SMITH, B.A.	.....	Head of the School Department, Portland Library Association
ALBERT R. SWEETSER, M.A.	.....	Professor of Botany, University of Oregon
RALPH K. STRONG, Ph.D.	.....	Professor of Chemistry, Reed College
ELNORA E. THOMSON, R.N.	.....	Director for Nursing Service, Marion County Child Health Demonstration
ESTELLA FORD WARNER, M.D.	.....	Medical Director, Marion County Child Health Demonstration
F. MIRON WARRINGTON, Diplôme de l'Université de Paris	.....	Professor of Business Administration, University of Oregon
WILLIAM R. WILSON, M.S.	.....	Professor of Psychology, University of Washington
ESTHER W. WUEST, Chicago Art Institute	.....	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.

All classes will be held at Lincoln high school, Park and Market streets, and with few exceptions, will meet daily between 8 a. m. and noon. Classes begin Monday, June 22, as scheduled. The schedule may be found on page 40. 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 are moderate laboratory fees to help defray the cost of materials. All fees are to be paid during the first week, June 22 to June 27. Students whose fees are not paid before June 27, 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 degrees 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

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

A number of recreational features will be arranged for students in the Portland summer term. During the first week a reception and picnic will be given by the faculty for the students. In addition, there will be excursions and picnics to picturesque points of interest, and various scientific field trips under the leadership of different members of the faculty. Special public lectures by the faculty and distinguished visitors will also be given during the session.

REGISTRATION OF GRADUATE STUDENTS

The dean of the graduate school, Dr. George Rebec, will be a member of the Portland summer term faculty. Dr. Rebec will be glad to confer with students desiring to do work for graduate credit. Appointments may be made by calling the Portland Center office, Main 3575.

Description of Courses

In the following description of courses, it is intended that the general character of each course shall 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

Mr. REYNOLDS, Miss POND, Mr. GRAY, Assistant Professor CREECH

In cooperation with the Portland public schools, the Portland Americanization council and the state department of education, the University announces the following courses in its Portland summer session, which, taken together, constitute an elementary training school for Americanization teachers and workers.

Students who pass all three of these courses will receive a certificate of Americanization training as evidence of completion of this elementary course of study. The supervisor of evening schools of the Portland public schools has announced that the completion of this course or equivalent training elsewhere will be prerequisite to consideration of any applicant for a position as teacher of the foreign-born in Portland night schools.

31. *The Direct Method of Teaching English Language and American Customs to the Foreign-Born.* (Education). A thorough course in the direct method, with immediate and practical reference to the problems confronting the teacher of the foreign-born. Pond. Daily at 11 a. m. Room 113. *Three hours.*

NOTE—All students in this class will observe class work in Americanization in regular evening classes in all three grades at Ladd school. This observation work and any practice teaching which may be assigned will be under the supervision of Mr. A. M. Gray, supervisor of evening schools, Portland public schools.

3. *Study of Social Agencies.* (See description under Applied Sociology). Special attention will be paid to those agencies which deal with problems arising among the foreign-born. Afternoons must be kept free for visits. Creech. Daily at 10 a. m. Room 116. *Three hours.*

103. *Racial Backgrounds.* (See description under Sociology). Special attention will be paid to the races which are most strongly and significantly represented in Portland Americanization classes. Reynolds. Daily at 9 a. m. Room 106. *Three hours.*

ART

Miss WUEST, Miss SCHAEFER, Mrs. KRESS

27. *Modeling and Drawing from Life.* Special attention to violent action. One day a week for animal study. No prerequisites. This class will not be given unless sixteen students enroll for the course. An assessment of several dollars per student will be made in this class to pay for materials and hire of models, exact amount depending on enrollment. Schaefer. Daily from 1 to 4 p. m. Room 507, Dekum building. *Three hours.*

10. *Art Methods for Schools.* Presentation of class lessons; selection and use of reference material. The development of art instruction in public education presented by a series of practical problems for teachers of elementary and high schools. Fundamental art principles as a foundation for the various forms of expression. Correlation with other subjects in the school curriculum.

NOTE—This course will be of particular interest to teachers in platoon schools.

(a) 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.

(b) Color. Development of color standards, appearances and harmonies.

(c) Lettering and Poster Design. Fundamental principles of good lettering. Relation of design to lettering. Elements of poster construction.

(d) Representation. Study of the laws governing the appearance of form, as a foundation for all work in freehand drawing.

(e) Related Handwork. Practical application of art lessons to simple projects. Wuest. Daily at 8 a. m. Room 317. *Three hours.*

11. *Crafts.* Decoration in relation to material to be offered in four crafts as follows:

(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. Processes and materials.

(c) Block. Decoration developed by means of the wood and linoleum block. Methods of printing and processes for practical work.

(d) Dyes and Dyeing. Work in tied and dyed design and in shade dyeing. Wuest and Krebs. Daily from 10 to 12 a. m. Room 318. *Three hours.*

14. *Design.* A course especially planned for students of design and craftsmen.

(a) Art Structure. A study of the fundamental laws governing beauty as a working basis for all successful problems in art expression.

(b) Origin of Decoration. Sources of decorative material and methods of interpretation.

(c) Modern Design. Adaptation of decorative form to problems. Unity of decoration and material emphasizing the harmony of the whole.

(d) Color in Decoration. Problems in color composition, using materials and the various pigments. Wuest. Daily at 9 a. m. Room 317. *Three hours.*

BIOLOGY AND BOTANY

Professor SWEETSER

1s. *Biology.* A study of life processes as exemplified in a few typical animals and plants. This will include habitat, anatomy, metabolism, reproduction, heredity and relation to environment. Text: "Foundations of Biology" by Woodruff. Daily at 10 a. m. Room 316. *Three hours.*

8s. *Introduction to Systematic Botany.* The structure and classification of flowering and non-flowering plants. The work will be adapted to the needs of the individual, either for beginners or for those having done more or less work in botany. This class will meet five times a week with a minimum period of two hours a day. Lectures daily at 11 a. m.; other hours to be arranged. Room 316. *Three hours.*

110s. *Undergraduate Botany Problem.* Room 316.
Hours and credits to be arranged.

213s. *Graduate Botany Problem.* Room 316.
Hours and credits to be arranged.

CHEMISTRY

Dr. STRONG

1s. *General Chemistry*. An introductory course for students of college grade. Study of important chemical materials; fundamental reactions, generalizations and theories; and some of the applications of chemistry to life and industry. A number of visits to local industries which apply chemical principles will be taken as part of the course. Daily at 8 a. m. Laboratory fee, \$3.00. Room 306. *Nine hours.*

ECONOMICS

Mr. HOEBER

1. *Principles of Economics*. The principles that underlie production, exchange and distribution. Practical problems like monetary and banking reform, regulation of international trade, taxation of land values, labor movement, regulation of railways, control of trusts, etc., will be considered. Daily at 10 a. m. Room 103. *Three hours.*

EDUCATION

Professor KENNEDY, Assistant Professor BENJAMIN, Miss POND

31. *The Direct Method of Teaching English Language and American Customs to the Foreign-Born*. (See description under Americanization). May not be used toward satisfaction of the group requirement in education. POND. Daily at 11 a. m. Room 113. *Three hours.*

51s. *Principles of Education*. The interrelations of elementary, secondary, and higher education. Support of schools from district, county, state, national government; U. S. Bureau of Education; journals, and other publications in the field of education. The origin of the course of study, its purpose. Some changing conceptions of education, acceleration, retardation, elimination; rural school problems. Relation of school to local environment. Benjamin. Daily at 8 a. m. Room 110. *Three hours.*

101. *The Platoon School*. For principals and teachers who wish to understand the philosophy, the organization, and the values of the platoon type of elementary school organization. Beginning with the roots and causes of platoon organization, the lectures will proceed to discuss the essential characteristics of the system, and then will take up in detail certain outstanding problems, especially those affecting the home room, the special subjects grade by grade, the auditorium, selection of teachers, selection of rooms and schedule making. Lectures, reports and discussions. Kennedy. Daily at 10 a. m. Room 110. *Three hours.*

102. *The Platoon Curriculum*. For teachers of home rooms and also for teachers of special departments. Will stress opportunities for enriching teaching methods and the necessity for a modern interpretation of conduct and discipline. These presentations will be made in terms of actual subjects and situations. Special consideration will be given to arithmetic, history, spelling, English, literature, physical education, community activities, music, oral expression, auditorium activities, art and the library. Kennedy. Daily at 11 a. m. Room 110. *Three hours.*

103. *Educational Tendencies in Later European Literature*. A survey of the educational implications in the works of certain modern novelists

and dramatists. Lectures, readings, and reports on the educational beliefs of Gorky, Tolstoy, Zola, Maeterlinck, Ibsen, Wells, Shaw, Bennett, Galsworthy, Chesterton, Kipling, and others. Benjamin. Daily at 9 a. m. Room 110. *Three hours.*

104. *Educational Tests and Measurements.* Statistical method applied to education, drill in reading and interpreting statistics, graphic representation of educational data. An examination and evaluation of school achievement tests, the application of quantitative measurements to school problems. Pond. Daily at 10 a. m. Room 113. *Three hours.*

ENGLISH

Dr. CERF, Dr. CHITTICK, Mr. JOHNSTONE, Mrs. JORDAN

WRITTEN ENGLISH

52s. *Advanced Written English.* Open to sophomores and other students who have had equivalent training in writing. Will presume knowledge of the fundamentals of grammar and composition. Only students who desire to do further writing should enroll. Will require a quantity of writing on themes that must interest the individual but subject to the direction of the instructor and the criticism of the class. Jordan. Daily at 10 a. m. Room 104. *Three hours.*

103s. *Advanced Short Story Writing.* The instructor, in the capacity of editor, will receive, revise and discuss with the class, manuscripts of short stories. Open only to students who have had previous courses in written English, theme writing, etc. Jordan. Daily at 11 a. m. Room 104. *Three hours.*

LITERATURE

102. *Introduction to Greek Culture.* An interpretative survey of the progress of the Greek spirit as it expressed itself in literature, art, religion, philosophy and social institutions. Certain works will be assigned for reading in translation. Johnstone. Daily at 9 a. m. Room 104. *Three hours.*

102. *Shakespeare.* An intensive study of three plays. Reading of others. Lectures and papers. Cerf. Daily at 10 a. m. Room 107. *Three hours.*

104. *Representative American Books.* Study, with comment, of selections or complete texts from the works of the following: Edwards, Franklin, Paine, Melville, David Crockett, Emerson, Whitman, Mark Twain, Stephen Crane, Hamlin Garland, E. L. Masters and Sherwood Anderson, and of typical American songs, ballads, and folk-tales. Chittick. Daily at 8 a. m. Room 107. *Three hours.*

105. *Modern Drama.* Consideration in this course will be given chiefly to the dramatic works of the following writers: Ibsen, Tchekoff, Hauptmann, Shaw, Galsworthy, O'Neill, and the leading expressionists. Chittick. Daily at 9 a. m. Room 107. *Three hours.*

150s. *Romantic Poets.* Intensive study of selected poems. Reading in the field of romantic poetry. Lectures and papers. Cerf. Daily at 11 a. m. Room 107. *Three hours.*

FRENCH

(See Romance Languages)

HISTORY

Dr. SCHAFER, Dr. FISH

42bs. *Europe from 1815 to 1914.* Will trace the development of nationalism and democracy in the nineteenth century; the influence of the Industrial Revolution and the emergence of modern social problems; also, the international complications arising out of the expansion of Europe, leading to the outbreak of the Great War. Fish. Daily at 9 a. m. Room 111. *Three hours.*

121s. *Medieval Civilization.* A comprehensive picture of political, religious, and social conditions in Europe from the breakup of the Roman Empire to the time of Dante, with emphasis on the eleventh, twelfth, and thirteenth centuries. Intellectual interests will receive special attention. Fish. Daily at 8 a. m. Room 111. *Three hours.*

170. *American Statesmanship and Statesmen.* A concrete study of statesmanship through an investigation of the careers of representative public men of the middle period, about 1840 to 1890. Horace Greeley, Jefferson Davis, Martin Van Buren, William H. Seward, Stephen A. Douglas, Alexander H. Stephens, Thaddeus Stevens, James A. Garfield, Carl Schurz, James G. Blaine, Grover Cleveland, and Thomas B. Reed will constitute the list of men to be studied. Changes may be made in this list if deemed desirable for bibliographical reasons. The class will be expected to participate in the discussions under the seminary method of instruction. Schafer. Daily at 11 a. m. Room 111. *Three hours.*

178. *The History of the West.* (From about 1830 to the close of the 19th century). This course will deal with the region between the Mississippi river and the Pacific with emphasis upon the Pacific coast division of the area. Lectures, assigned readings, and a term paper or thesis. Basic texts: "The Lost Frontier," by L. L. Paxson; "The Pacific Northwest," by Joseph Schafer. Schafer. Daily at 10 a. m. Room 111. *Three hours.*

JOURNALISM

Associate Professor 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. 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 112. *Three hours.*

LATIN

Mr. JOHNSTONE

1s. *Elementary Latin.* This course is planned to enable the beginning student of Latin to proceed far enough in six weeks so that he may by his own efforts continue the study during the winter and be ready to

read Caesar next summer. Students in this course may at the conclusion of the summer term, register in the correspondence study department under the same instructor for completion of first year Latin. Text: "Limen," by Conway and Walters. Daily at 8 a. m. Room 104.

Three hours.

LIBRARY METHODS

Miss SMITH

1. *Platoon School Library Methods.* This course is intended for those who expect or hope to become library teachers in platoon schools, but is also of value to teachers in other types of schools who wish to make the best use of the school library as an aid to teaching. Lectures, reports, discussions, observation and practice work. To be given the last three weeks of the summer term, beginning July 13. Students taking this course only may do so for a special fee of \$5.00. Daily at 9 a. m. Room 112.

One and one-half hours.

NOTE—Students desiring to carry a full summer's card may supplement this course by taking the first three weeks of Community Organization.

MATHEMATICS

Professor DeCOU

3s. *Advanced Algebra.* A brief review of fundamental topics, after which quadratics, progressions, logarithms, series, and other selected topics will be studied. Prerequisite, three terms of Algebra. Daily at 9 a. m. Room 102.

Three hours.

4s. *Plane Trigonometry.* Pre-supposes a good knowledge of Algebra through quadratic equations. Daily at 9 a. m. Room 102.

Three hours.

101s. *Teaching and History of High School Mathematics.* A study of the best methods of teaching arithmetic, algebra and geometry; concluding with a comparison of the best recent texts. Reports will be given on the Report of the National Committee on Mathematical Requirements on "The Reorganization of Mathematics in Secondary Schools." The latter part of the term is devoted to the history of elementary mathematics as an aid to the teacher in imparting the human interest to the students. Daily at 8 a. m. Room 102.

Three hours.

MUSIC

Mr. BOYER, Mr. GOODRICH

10s. *Modern Music.* A course of lectures on Modern French Music. The genesis of modern French music; the rise of instrumental music; the course of opera; music and the romantic movement; musical romanticism; the romantic opera; reflections from literature; the heritage of Cesar Franck; German influence; the threshold of modernism; some modernist types; figures of the present; a group of iconoclasts; French music of today. These lectures will be fully illustrated by the Ampico self-playing piano through the courtesy of the G. F. Johnson Piano Company. Goodrich. Daily at 8 a. m. Room 108.

Three hours.

11s. *Advanced and Modern Harmony, Form and Composition.* A course of lectures on the science of harmony as exemplified in the works of the romantic and impressionist schools of composition, with special reference to the composers of modern England, Russia and America. This

course will be fully illustrated by excerpts from the works of many modern composers. Goodrich. Daily at 9 a. m. Room 108. *Three hours.*

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 interrelation. The various systems of music books and manuals used as texts. Staff notation. Boyer. Daily at 10 a. m. Room 108. *Three hours.*

14. *Song Interpretation and Directing.* Class singing, directing, interpretation of song material, baton technique, etc. To train teachers not so much to handle glee clubs, as to do their every day class room singing in a more finished manner. Boyer. Daily at 11 a. m. Room 108. *Three hours.*

PHILOSOPHY

Professor REBEC

108s. *Main Currents of Nineteenth Century Thought.* An outline history of thought from 1815 to 1915, in terms not only of philosophy but of the central underlying ideas of the science, art, religion, and economic and social movements of the period. Daily at 10 a. m. Room 106. *Three hours.*

111. *Ethics.* A critical comparison of the Hellenic morality of culture as expressed in the Ethics of Aristotle, with the Puritan morality of duty, struggle and sacrifice, as expounded in the ethical thinking of Kant. Daily at 11 a. m. Room 106. *Three hours.*

PHYSICAL EDUCATION

Mr. KROHN

1. *Physical Education.* Gymnastics for the school room; games for the school room; marching in the school room; marching at dismissals; health program. Of special interest and help to teachers in schools where a regular supervisor does not plan the daily lessons. Daily at 12 m. Gymnasium. *One and one-half hours.*

2. *Gymnastics and Recreation.* Gymnasium floor work; gymnasium apparatus; games; folk dancing; organized games, including volleyball, basketball, indoor ball; athletics for classes en masse; athletic efficiency tests. Daily at 1 p. m. Gymnasium. *One and one-half hours.*

PSYCHOLOGY

Professor WILSON

109. *Psychology of Learning.* Psychology as applied to personal efficiency, vocational guidance, the measurement of vocational fitness, and scientific management. The significance of sex and individual differences in practical life. Each member of the class will organize his work around a problem of personal interest. Daily at 9 a. m. Room 114. *Three hours.*

113. *Applied Psychology.* The principles of learning and the transfer of training. The principles of experimental procedure will be discussed and typical researches critically examined. The course will be organized around a half dozen outstanding problems in learning. Applications of experimental findings will be made. Daily at 10 a. m. Room 114. *Three hours.*

PUBLIC SPEAKING

Mr. HOEBER

89s. *Extemporaneous Speaking.* Emphasis 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 members' talks, current events, and so forth. Texts: "Parliamentary Law," by Hall and Sturgess, and "Platform Speaking," by Collins. Daily at 9 a. m. Room 103.

Three hours.

ROMANCE LANGUAGES

Professor WARRINGTON

FRENCH

5. *Elementary French.* 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. Conversation, dictation, prose composition, and the reading of elementary prose. Daily at 9 a. m. Room 115. *Three hours.*

101. *Contemporary French Literature.* A study of the writers of today and the movements of which they are a part. Stress will be given only to those authors who represent prevailing currents of literary interest and give promise for the future. Greater stress will be laid on those recently deceased, such as Pierre Loti, Maurice Barres, Anatole France and Marcel Proust. Daily at 11 a. m. Room 115. *Three hours.*

SPANISH

15. *Elementary Spanish.* To give students a knowledge of Spanish pronunciation; as wide a vocabulary as possible; a clear understanding of the essentials of Spanish grammar. Conversation, dictation, prose, composition, and the reading of elementary prose. Daily at 10 a. m. Room 115. *Three hours.*

25. *Second Year Spanish.* 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 class will be conducted, so far as possible, in Spanish. Open to students who have had one year of Spanish or the equivalent thereof. Daily at 8 a. m. Room 115. *Three hours.*

SOCIOLOGY

Professor PARSONS, Professor KILPATRICK, Mr. REYNOLDS, Mr. GRANT

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 8 a. m. Room 105. *Three hours.*

101. *An Introduction to Modern Social Problems.* An analysis of the Social Problem and its familiar manifestation in present day problems. Some consideration will be given to society's reactions to the problem in modern movements for social betterment. Parsons. Daily at 10 a. m. Room 105. *Three hours.*

103. *Racial Backgrounds.* The racial and cultural inheritances of immigrants to the United States from the viewpoint of racial prejudices and social distances developing from a misunderstanding of such values and the failure to make use of them. Special attention will be paid to present day immigrants and to the types coming to the North Pacific area but the work will necessarily include by way of introduction, a consideration of the phenomena of migrating peoples, the early immigration to the United States, and the development of the American type. Reynolds. Daily at 9 a. m. Room 106. *Three hours.*

140s. *Community Organization.* A brief study of the principles and practice of effective community organization. The first three weeks will be devoted to underlying theory; the second three weeks to state and national agencies, their history, programs and relationships in local communities. Planned to fit in with some of the short courses. By special arrangement undergraduate students may earn proportionate credit either for the first three weeks only or the second three weeks only. Kilpatrick and Creech. Daily at 9 a. m. Room 105. *Three hours.*

152s. *Social Unrest.* Social unrest will be visualized as a social phenomenon of far reaching importance which includes many forms of unrest other than the familiar economic and political disturbances associated with that terminology in the popular mind. The phenomenon will be studied in its vague and undefined manifestations and in its definitely articulated forms in political, economic, biological, intellectual and religious disturbances. Parsons. Daily at 11 a. m. Room 105. *Three hours.*

APPLIED SOCIOLOGY

Miss BEALER, Dr. BROWN, Assistant Professor CREECH, Mrs. DUNBAR, Mr. HENDERSON, Miss MCKAY, Miss SIMPSON, Miss THOMSON, Dr. WARNER

1. *Short Course for Tuberculosis Workers.* This course will be given the third and fourth weeks of the summer term and will constitute full work for that period for any student taking it. Methods of Anti-Tuberculosis Work studied will include educational methods, organization, nursing, and institutional methods. Programs of Anti-Tuberculosis Work studied will include programs for local work, and programs for state and national work. Relation of the Tuberculosis Campaign to other social and public health movements will include city, county, and state boards of health, American Public Health Association, infant mortality movement, pure milk campaign, housing campaign, temperance movement, charity organization, and similar activities. Students who take this course only may do so at a special fee of \$5. Dunbar. Daily at 10 a. m. Room 102. *Three hours.*

2. *Child Health.* This course will be given the last two weeks of the session, and will constitute full work for that period for any student taking it. Instructors will be the director and members of the staff of the Marion County Child Health Demonstration. The work of both public and private agencies in the field of Child Health will be examined

and discussed. Special emphasis will be given to the principles underlying child health demonstrations and their relation to other health work in communities. The class will visit and inspect the Marion County Child Health Demonstration. Brown, Warner, Simpson, McKay, Thomson. 10 a. m. Room 102. *Three hours.*

3. *Study, of Social Agencies.* A study of the objects, methods, financing and accomplishments of agencies provided by the community for dealing with problems of poverty, delinquency, unemployment, sickness, etc. Visits to organizations and talks by the organization heads will be included. Not for professional social workers, but for teachers and others whose work and interests make a better knowledge of social agencies desirable and helpful. Creech. Daily at 10 a. m. Room 116. *Three hours.*

4. *History and Meaning of the Play Movement.* Will trace briefly the history of recreation and physical education prior to the developments in the United States, and will then cover in more detail the history of the play movement in this country, closing with a study of modern recreation problems. This portion of the course will include material on recreation surveys, industrial recreation, rural and small community problems, and a study of the place of the school, community house, park, playground, athletic field, neighborhood club, and other elements in the complete community recreation program. Students who so desire may make firsthand observation of recreation work in Portland. Students who take this course only may do so at a special fee of \$5. Henderson. Daily at 8 a. m. Room 103. *Three hours.*

5. *Leadership of Girls' Groups.* A study of the backgrounds, principles and methods of organization of groups in character-building work with adolescent girls. Girl scout procedure will be used to illustrate the technique. Observation and practice work will be arranged on certain afternoons. This course will run for three weeks only beginning on the opening day of the session. Students completing this course, may, if they wish, enter the class in Community Organization at the opening of the fourth week and earn 1½ hours additional credit in that course. Leadership of Girls' Groups will not be given unless there is an enrollment of at least sixteen. Students who take this course only may do so at a special fee of \$5. Bealer and Creech. Daily at 9 a. m. Room 113. *One and one-half hours.*

SPANISH

(See Romance Languages).

ANNOUNCEMENT

A Short Course of Lectures on Parent-Teacher Work will be given by Miss Frances Hays, field secretary for the National Congress of Parents and Teachers. The lectures will be given from *June 22 to June 26* inclusive, from 1 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. Those who take this course only may do so at a special fee of \$1.

PORTLAND SUMMER TERM SCHEDULE OF COURSES AND ROOMS

8:00 A. M.

Teaching and History of High School Mathematics	DeCou	102
History and Meaning of the Play Movement	Henderson	103
Elementary Latin	Johnstone	104
Representative American Books	Chittick	107
Modern Music	Goodrich	108
Principles of Education	Benjamin	110
Medieval Civilization	Fish	111
Second Year Spanish	Warrington	115
General Chemistry	Strong	306
Methods in Art Instruction	Wuest	317
Biology and Social Adjustments	Grant	105

9:00 A. M.

Advanced Algebra	DeCou	102
Plane Trigonometry	DeCou	102
Extemporaneous Speaking	Hoerber	103
Introduction to Greek Literature	Johnstone	104
Community Organization	Kilpatrick	105
Racial Backgrounds	Reynolds	106
Modern Drama	Chittick	107
Advanced and Modern Harmony	Goodrich	108
Educational Tendencies in Later European Literature	Benjamin	110
Europe from 1815 to 1914	Fish	111
Platoon School Library Methods	Smith	111
Leadership of Girls' Groups	Bealer	113
Psychology of Learning	Wilson	114
Elementary French	Warrington	115
Design	Wuest	317

10:00 A. M.

Short Course for Tuberculosis Workers	Dunbar	102
Child Health	Brown	102
Principles of Economics	Hoerber	103
Advanced Written English	Jordan	104
An Introduction to Modern Social Problems	Parsons	106
Main Currents of Nineteenth Century Thought	Rebec	106
Shakespeare	Cerf	107
Methods in Teaching Public School Music	Boyer	108
The Platoon School	Kennedy	110
The History of the West	Schafer	111
Writing for the Press	Powers	112
Educational Tests and Measurements	Pond	113
Applied Psychology	Wilson	114
Elementary Spanish	Warrington	115
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