

OREGON STATE SYSTEM
OF HIGHER EDUCATION
BULLETIN



PORTLAND
SUMMER SESSION
1938

University of Oregon * Oregon State College
Oregon Normal School * Southern Oregon Normal School
Eastern Oregon Normal School

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Portland Summer Session

of the

**University of Oregon, Oregon State College,
Oregon Normal School, Southern Oregon Normal School
Eastern Oregon Normal School**

June 20—July 29

1938

Oregon State System of Higher Education

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

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

Each of these institutions, except the Medical School which is on a graduate basis, provides the general studies fundamental to a well-rounded education. At the three normal schools general and professional studies are combined in the teacher-training curriculum. At the Southern Oregon Normal School and the Eastern Oregon Normal School students who do not plan to become elementary school teachers may devote their time exclusively to studies in the liberal arts and sciences.

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

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The Portland Summer Session
OF THE UNIVERSITY OF OREGON, OREGON STATE COL-
LEGE, AND THE OREGON NORMAL SCHOOLS

The Faculty, 1938

FREDERICK MAURICE HUNTER, Ed.D., LL.D., Chancellor, Oregon State System of Higher Education.
DONALD M. ERB, Ph.D., President, University of Oregon.
GEORGE WILCOX PEAVY, M.S.F., Sc.D., LL.D., President, Oregon State College.
JULIUS ALONZO CHURCHILL, M.A., President, Oregon Normal School.
WALTER REDFORD, Ph.D., President, Southern Oregon Normal School.
CHARLES ABNER HOWARD, M.A., LL.D., President, Eastern Oregon Normal School.
ALFRED POWERS, B.A., Director of Summer Sessions, Oregon State System of Higher Education.
LOUIS BERELSON, Ph.D., Secretary of Summer Sessions, Oregon State System of Higher Education.

ALFRED POWERS, B.A., Director of the Portland Summer Session.
WILLIAM GILBERT BEATTIE, B.A., Assistant Director.
GEORGE REBEC, Ph.D., Dean of the Graduate Division.
EARL MANLEY PALLETT, Ph.D., Registrar.
MARGARET MORRISON SHARP, Secretary.
LOUIS BERELSON, Ph.D., Administrative Assistant and Resident Adviser in General Studies.
ELIZABETH MONTGOMERY, Ph.D., Adviser in Clinical and Demonstration School.
RUTH HALL, B.A., Librarian.

M. L. ALTSTETTER, Ph.D. *Educational Specialist, Cooperative Study of Secondary School Standards, Washington, D. C.*
A.B., M.A., Ohio State University; Ph.D., George Peabody College for Teachers. Instructor and principal, high schools, Ohio and Florida; dean and registrar, State Teachers College, Fredericksburg, Virginia. Summer session teaching: University of Florida, George Peabody College for Teachers.

WILLIAM GILBERT BEATTIE, B.A. *Associate Professor of Education, and Assistant Director, Portland Summer Session*
B.A. (1901), Oregon; graduate student, Oregon and Stanford. Superintendent, Sitka Industrial School, Alaska (1905-11); superintendent of schools, Southeastern Alaska; U. S. Bureau of Education (1911-16); superintendent of schools, Cottage Grove (1916-17, 1919-20); industrial director, Metlakatla, Alaska (1917-19); head, rural department, Oregon Normal School (1920-26). Faculty, Oregon (1926—). Director of study cruises to Alaska (1930-31).

LUTHER LEE BERNARD, Ph.D. *Professor of Sociology, Washington University*
A.B. (1907), Missouri; Ph.D. (1910), Chicago. Instructor in sociology, Western Reserve (1910-11); professor of history and social sciences, Florida (1911-14); professor of sociology, Missouri (1914-17); Minnesota (1917-25); Cornell (1925-26); Tulane (1927-28); North Carolina (1928-29); Washington University (1929—). Summer session teaching: Chicago, University of Washington. President, American Sociological Society (1932).

GRACE BRIDGES *Director of Auditoriums, Portland Public Schools*
Teacher, Portland public schools; director of auditoriums (1928—); instructor in children's theater, Portland Extension Center (1936—). Summer session teaching: Oregon Normal School (1927-28); Northwestern (1930); Utah (1934).

PHILIP W. BUCK, Ph.D. *Assistant Professor of Political Science, Stanford University*
B.A. (1923), Idaho; Rhodes Scholar (1923-26); B.A. (1926), Oxford; Ph.D. (1933), University of California. Assistant professor of government, Mills College (1926-34); assistant professor of political science, Stanford University (1934—). Lecturer in current events, University of California Extension Division (1932-38).

- DAVID BEASLEY CAMPBELL, B.M. *Instructor in Music, Portland Extension Center*
B.M. (1930), Oregon; Director of conservatory, Whitman College (1915-18); director,
Ellison-White conservatory, Portland (1919-26). Private teaching, Portland (1926—).
- BURT EINAR CHRISTENSEN, Ph.D. *Assistant Professor of Chemistry, Oregon*
State College
B.S. (1927), Washington State College; M.S. (1929), Ph.D. (1931), University of
Washington. Research chemist, Allied Chemical and Dye Co. (1927-28); instructor
(1931-34), assistant professor (1934—), Oregon State College.
- NORMAN F. COLEMAN, M.A., LL.D. *Professor of English, Reed College*
B.A. (1900), Toronto; M.A. (1906), Harvard; LL.D. (1925), Mills College; (1935) Ore-
gon. Professor of English, Whitman College (1906-12); Reed College (1912-20); presi-
dent, Reed College (1925-34); lecturer in public forums (1936—); professor of English,
Reed College (1934—).
- PERCY M. COLLIER, B.A., LL.B. *Assistant Professor of English*
B.A. (1911), Oregon; LL.B. (1914), Michigan. Lecturer (1929-30); assistant profes-
sor (1930—). Secretary, Oregon High School Debating League (1929—).
- LAMBERTUS DEUTSCHMAN, M.A. *Instructor in Metal Work, Portland*
Arts and Crafts Society
M.A. (1912), Kunst Nyverheid, Amsterdam, Holland. Instructor, Arts and Crafts So-
ciety (1930—).
- ROBERT MOULTON GATKE, Ph.D. *Professor of History and Political Science,*
Willamette University
A.B. (1919), A.M. (1920), Willamette; Ph.D. (1925), American University. Instructor,
Willamette (1920-21); assistant professor (1921-25); associate professor (1925-35);
professor (1935—); director of Northwest research (1938—). Summer session teach-
ing: Oregon (1936).
- LAURENCE MCKINLEY GOULD, Sc.D. *Professor of Geology and Geography,*
Carleton College
B.S. (1921), M.A. (1923), Sc.D. (1925), Michigan. Instructor in geology (1921-26);
assistant professor (1926-30); associate professor (1930-31), University of Michigan;
professor, Carleton College (1932—). Assistant director, University of Michigan
Greenland Expedition (1926); assistant director, Putnam Baffin Island Expedition
(1927); second in command and geologist-geographer, Byrd Antarctic Expedition
(1928-30).
- ELDON GRIFFIN, Ph.D. *Visiting Professor of Oriental History*
A.B., Harvard; Ph.D., Yale. Faculty, Eighth Higher School, Nagoya, Japan; Oregon
(1920-22); Washington (1926-31).
- G. HOWELL HARRIS, Ph.D. *Associate Professor, Faculty of Agriculture,*
University of British Columbia
B.S. (1922), British Columbia; M.S. (1923), Oregon State College; Ph.D. (1928),
California. Assistant district horticulturist, British Columbia Department of Agri-
culture; plant disease investigator, Dominion Department of Botany; staff, British
Columbia (1925—). President, British Columbia Academy of Sciences (1933-35).
- LARRAE A. HAYDON, B.A. *Executive Director, Portland Civic Theater and School of*
Drama and Allied Arts
A.B. (1930), Carnegie Institute of Technology. Instructor in dramatic art, Oklahoma
(1930-35); executive director, Portland Civic Theater, and instructor in drama, Port-
land Extension Center (1935—).
- JANE F. HILDER *Instructor in Remedial Reading, George Washington University*
Instructor, Washington, D. C. public schools (1917-34); counsellor, Cook School Char-
acter Education Experiment, Washington, D. C. (1934-36); director and teacher of
remedial reading, Fifth Division, District of Columbia public schools (1936—); in-
structor, George Washington University (1937—).
- BERNARD HINSHAW, B.A. *Associate Professor of Art*
B.A. (1926), Illinois Wesleyan; Diploma (1930), Art Institute of Chicago. Faculty,
Illinois Wesleyan (1931-35); associate professor, Portland Extension Center (1935—).
- EDWARD M. HULME, M.A. *Professor of Medieval History, Stanford University*
B.A. (1897), Stanford; M.A. (1902), Cornell. Professor of history, Idaho (1902-21);
dean, college of letters and science, Idaho (1917-21); professor of medieval history,
Stanford (1921—). Summer session teaching: California (1918); Chicago (1919);
Oregon (1925-26); Utah (1929, 1935-36); Southern California (1931); Duke (1933).
- WENDELL H. HUTCHENS, M.D. *Clinical Instructor in Psychiatry, Child Guidance*
Clinic, Medical School
B.S. (1928), Pacific College; A.B. (1929), M.D. (1932), Oregon. Instructor in psy-
chiatry, Medical School (1934-37); clinical associate in psychiatry, and instructor in
neuropathology (1937—); psychiatrist, Oregon State Traveling Child Guidance Clinic
(1936—); psychiatrist, Emanuel Hospital Psychiatric Unit (1938—); consultant,
Multnomah County Hospital (1934—).

- ROSWELL H. JOHNSON, Ph.D. *Director, Department of Personal Service, Institute*
of Family Relations, Los Angeles
B.S. (1900), Chicago; M.S. (1903), Wisconsin; Ph.D. (1934), Pittsburgh. Instructor,
Wisconsin; investigator, Station for Experimental Evolution, Cold Harbor; lecturer on
sociology, Pittsburgh (1932-34); Hawaii (1935). Summer session teaching: Utah,
Nebraska.
- VICTOR M. KLEINFELD, M.A. *Director, Speech Clinic, College of the City of New York*
B.S., College of the City of New York; M.A., Columbia. Instructor in public speaking
and dramatics, College of the City of New York; director of speech clinic (1932—).
- JAY C. KNODE, Ph.D. *Dean of the General College, University of New Mexico*
B.A. (1908), M.A. (1922), Nebraska; Ph.D. (1930), Columbia. Public school admin-
istration, Wyoming (1915-27); director of admissions, Long Island University (1929);
dean of men and professor of philosophy and education, New Mexico (1929-35); dean
of the general college (1935—). Summer session teaching: San Diego State College
(1931); Colorado (1932); Oregon (1934, 1936).
- ERNESTO RAY KNOLLIN, M.A. *Professor of Physical Education, University of Oregon*
B.A. (1914), M.A. (1929), Stanford. Faculty, Stanford (1915-18); acting director of
physical education (1917-18); acting director of physical education, Illinois (1919-21);
supervisor, San Francisco high schools (1921-23); director of athletics, San Jose State
College (1924-29); associate professor, Oregon (1929-34); professor (1934—). Sum-
mer session teaching: Stanford (1925); Utah State (1937).
- REGINALD I. LOVELL, Ph.D. *Professor of History, Willamette University*
A.B., London; A.M., Michigan; Ph.D., Harvard. Faculty, Boston University; Michi-
gan; Harvard (1927-33); North Dakota (1935-37); Willamette (1937—). Summer
session teaching: Minnesota (1936); Nebraska (1937).
- LEWIS C. MARTIN, Ph.D. *Assistant Director of Department of Research and*
Handicapped Children, and Supervisor of
Special Education, Portland Public Schools
A.B. (1924), Eugene Bible University; Ph.D. (1930), University of Vienna. Instructor
in psychology and sociology, American College, Smaklar, Bulgaria (1924-26); Ameri-
can Collegiate Institute, Istanbul (1928-29); instructor in psychology and education,
Reed College (1930-33); supervisor of special education and psychologist, Portland
public schools (1936—).
- ROBERT RAY MARTIN, Ph.D. *Assistant Professor of Sociology*
B.A. (1928), M.A. (1929), Ph.D. (1935), Washington. Faculty, Washington (1929-34);
assistant professor of sociology (1934—). Supervisor of examinations, Oregon State
Unemployment Compensation Commission (1937—).
- MARGARET CHADSEY MORHOUSE, M.A. *Staff, Textiles Education Bureau, New York*
B.S., Oregon State College; M.A., Columbia. Student, U. C. L. A., New York University,
Traphagen School of Fashion. Instructor, Astoria public schools; Oregon State Col-
lege; clothing specialist in extension, Cornell Staff, Bloomingdale Department Store,
New York; Textiles Education Bureau, New York.
- VICTOR P. MORRIS, Ph.D. *Dean of the School of Business Administration, Professor*
of Economics, University of Oregon
B.A. (1915), M.A. (1920), Oregon; Ph.D. (1930), Columbia. Faculty, Grinnell
(1922-24), Oregon State (1924-28); instructor, Oregon (1919-20); assistant professor
(1926-30); associate professor (1930-31); professor (1931—); dean and director of
business administration (1936—).
- ANNE M. MULHERON, A.B. *Visiting Instructor in Library Methods*
A.B. (1906), Michigan. Student, Western Reserve Library School; New York State
Library School. Library work, Cleveland, Detroit, Los Angeles; librarian of the Port-
land Library Association (1920-37).
- EDITH HELENE NORTON, M.A. *Assistant Professor of Education, Supervisor of*
Teaching, Oregon Normal School
B.S. (1922), M.A. (1927), Columbia. Demonstration teacher, Cleveland School of Edu-
cation (1920); experimental teacher, Bronxville, N. Y. (1924-27); primary supervisor,
State Normal School, Oswego, N. Y. (1927-29); instructor, State Teachers College,
West Chester, Penn. (1929-30); assistant professor and supervisor of teaching, Ore-
gon Normal (1935—).
- MABLE HOLMES PARSONS, M.A. *Professor of English*
B.A. (1904), M.A. (1905), Michigan; special research, Michigan (1906-07); British
Museum (1924-25). Faculty, Oregon (1912-19); professor of English (1919—).
- HENRY F. PRICE, Ph.D. *Professor of Mathematics, Pacific University*
A.B. (1906), Swarthmore; M.A. (1912), Ph.D. (1915), Pennsylvania. Professor of
mathematics, Pacific (1920—). Summer session teaching: Stanford (1929).

- MARIE SCHULDERMAN, M.A. *Instructor in Art, Portland Public Schools*
B.A. (1927), M.A. (1936), Oregon. Instructor in art, Portland public schools (1927—).
- HARRY JOHNSON SEARS, Ph.D. *Professor of Bacteriology and Public Health and
Head of Department, Medical School*
A.B. (1911), A.M. (1912), Ph.D. (1916), Stanford. Instructor in chemistry, Stanford
(1911-13); instructor in bacteriology (1914-16); city chemist and bacteriologist,
Berkeley, Cal. (1916-18); professor of bacteriology, Medical School (1918—).
- S. STEPHENSON SMITH, B.Litt. (Oxon.) *Professor of English, University of Oregon*
B.A. (1916), Reed; B.Litt. (1923), Oxford. Assistant professor of English, Oregon
(1925-28); associate professor (1928-35); professor (1935—). Summer session teach-
ing: Montana (1935).
- EDWARD GLEASON SPAULDING, Ph.D., LL.D. *Professor of Philosophy, Princeton
University*
B.S. (1894), Vermont; A.M. (1896), Columbia; Ph.D. (1900), University of Bonn;
LL.D. (1921), Vermont. Instructor in philosophy (1900-05); assistant professor, Col-
lege of the City of New York (1905-14); professor of philosophy, Princeton (1914—).
Summer session teaching: Washington University, Harvard, Chicago, California,
Michigan. President, American Philosophical Association (1932).
- JOHN A. SPAULDING, Ph.D. *Instructor in German*
B.A. (1911), M.A. (1912), Ph.D. (1917), Harvard. Instructor, Worcester Polytechnic
Institute (1914-17); instructor, Yale (1920-22); professor and head of department,
Trinity College (1924-31).
- BENJAMIN A. THAXTER, M.A. *Principal of Couch School, Portland*
B.A. (1897), M.A. (1907), Yale; graduate work, Harvard. Faculty, State Teachers
College, Missouri (1900-06); Portland Academy (1906-16); principal, Couch School
(1923—).
- HARRIET WATERBURY THOMSON, A.B. *Professor of Physical Education,
University of Oregon*
A.B. (1904), Michigan. Assistant director of physical education, Oregon (1911-22);
professor (1922—). Head of corrective division, Oregon; special clinics with Dr. Otis
Akin and Dr. Richard Dillehunt, Portland.
- GEORGE STANLEY TURNBULL, M.A. *Professor of Journalism, University of Oregon*
A.B. (1915), M.A. (1932), Washington. Professor of journalism, Oregon (1917—).
Summer session teaching: California (1925, 1926). Reporter, copyeditor, managing
editor, Bellingham (Wash.) *Reveille* (1902-05); reporter, assistant city editor, tele-
graph editor, Seattle *Post-Intelligencer* (1905-16); copyeditor, Seattle *Times* (1916-17);
summer copy desk work, San Francisco *Chronicle* (1920-21).
- RAYMOND H. WHEELER, Ph.D. *Professor of Psychology, University of Kansas*
A.B. (1912), Clark College; M.A. (1913), Ph.D. (1915), Clark University. Fellow and
research assistant, Clark University (1912-15); staff, Oregon (1915-25); director of
psychological laboratories, Oregon (1920-25); professor, Kansas (1925—). Summer
session teaching: Washington State College, Stanford, California, Iowa, Texas.
- EDGAR H. WHITNEY, B.A., LL.B. *Assistant Superintendent of Schools, Portland*
Ph.B. (1892), Ash Grove College; LL.B. (1913), B.A. (1924), Oregon. Superintendent,
Tillamook (1902-06); The Dalles (1906-07); principal, elementary schools, Portland
(1908-18); assistant superintendent, Portland (1918—).
- JANET WOOD, M.S. *Instructor in Physical Education, Arizona State College*
B.A. (1926), Oregon; M.S. (1933), Wisconsin. Instructor in physical education, Texas
(1926-30); Scripps College (1930-32); Kansas State College (1933-35); Arizona State
College (1935—).
- LEAVITT OLDS WRIGHT, Ph.D. *Professor of Romance Languages, University of Oregon*
A.B. (1914), Harvard; M.A. (1925), Ph.D. (1928), California. Extension instructor,
Columbia (1916-17); principal, Colegio Internacional, Guadalajara, Mexico (1918-21);
faculty, Pomona College (1917-18, 1923-24); assistant professor, Oregon (1926-27);
associate professor (1927-30), professor (1930—).
- ESTHER W. WUBST. *Supervisor of Art, Portland Public Schools*
Graduate, Chicago Art Institute; pupil of John Vanderpoel and Lorado Taft; student,
Academie Julien, Paris (1921).

The Portland Summer Session

1938

THE Portland Summer Session of the State System of Higher Education combines offerings for the University of Oregon, Oregon State College, and the Oregon normal schools. The twenty-first session begins on June 20 and continues for six weeks until July 29. Students may carry on their work in sequential programs of study for an additional four weeks in the University of Oregon post session at Eugene, or for an additional five weeks in the Oregon State College second session at Corvallis.

Students wishing to spend the vacation weeks in the stimulating surroundings of a large city will find a metropolitan environment in Portland, with its third of a million population; and yet at the very outskirts of the city begins the scenic wonderland of Oregon. The Cascades, the Columbia Gorge, and the Oregon coast offer unsurpassed opportunities for week-end recreation. Lincoln High School where the classes will be held is centrally located, but fronts on a parked area, which, with its grass and trees, gives the school somewhat the seclusion of a college campus in the midst of a busy city.

Portland Office. The Portland office of the State System of Higher Education is located at 814 Oregon Building, Fifth and Oak streets; the telephone number is ATwater 2165. All administrative details of the classes of the Portland summer session are handled from this office. Office hours are from 9:00 a.m. to 5:00 p.m., with the exception of Saturday, when the office closes at noon.

Registration. All classes will be held at Lincoln High School, Park and Market streets. Classes begin Monday, June 20, as scheduled. Students, whether registered or not, should report for classes the first day of the session, and register between periods or in the afternoon. Students will register at Lincoln High School until noon, and at 814 Oregon Building from 2:00 until 5:00 p.m., during each day of the period of registration. Registration closes Saturday, June 25, at noon. Students living in Portland or arriving before the opening of the session will find it convenient to enroll beforehand at the office in the Oregon Building. The administrative staff and members of the faculty will serve as advisers, and will be available throughout the registration period for conferences in regard to selection of suitable courses, requirements, credits, and the relation of the summer program to the general academic program of the student.

State System of Higher Education. In Oregon all the state institutions of Higher Education are operated as a correlated unit in the State System of Higher Education under a Chancellor and a single Board. Through the benefits of this organization, the Portland Summer Session draws upon the resources, the curricula and the faculties of all the institutions. Credit earned in Portland may be counted as resident credit in the University, the State College or the normal schools, as may be determined by the major program of the student. Students receive their degrees from the University or the State College according to the major subject. For the work available at the two institutions and the specific requirements for degrees the student should consult the institutional catalogs.

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

Admission to Work for Degrees. Students who wish to become candidates for a degree from the University or the State College, or for a certificate from one of the normal schools, must satisfy the regular entrance requirements of the State System of Higher Education, which are uniform for all the institutions and which are stated in detail in the general institutional catalogs, or in the leaflet "Entrance Information" of the State System of Higher Education. As early as possible before the session, such students should furnish a complete official transcript covering all work taken above the eighth grade. This information should be filed with the registrar of the institution where continuing study is planned. Credit earned in Portland is recorded with the registrar of the University of Oregon at Eugene, who is the official registrar of the Portland Summer Session and who will send transfer of credits to the State College or the Oregon normal schools in the State System of Higher Education or to other universities, colleges or normal schools.

Residence Requirement for Degrees. For a degree from the University of Oregon or Oregon State College, not less than the last 45 term hours must be taken in residence. This requirement, with the approval of the Academic Requirements Committees, may be fulfilled by satisfactory completion of the normal study load during an attendance of 30 weeks in the Portland Summer Session. Or to satisfy the residence requirement, attendance at Portland may be combined with work in the Corvallis or Eugene summer session or with work during the regular terms on the campuses or in the Portland Extension Center. The amount of credit earned in the Portland Summer Session that may be applied toward a certificate from one of the normal schools depends upon the particular program, regarding which the director or the faculty adviser should be consulted.

Further information concerning admission, advanced standing, transfer of credits, and graduation requirements, may be obtained from the registrars of the institutions.

Academic Credit. In the Portland Summer Session a student may carry the amount of work necessary to earn nine term hours of credit.

Visiting Students. Filing of credentials is not required of teachers or of undergraduate students of good standing in other standard institutions who wish to transfer credits earned in the Portland Summer Session to other universities, colleges, and normal schools. Students debarred from, or on probation at, other institutions may not take courses in the Portland Summer Session with or without credit.

Graduate Credit. In the Portland Summer Session, or in this session in combination with the Portland Extension Center, a graduate student may earn all the work necessary for a master's degree in General Studies, or 15 hours toward a departmental master's degree. Thus a student may earn the General Studies degree entirely in the Portland Summer Session by attending five consecutive sessions, or may attend two sessions to combine with other work at the College or the University for a departmental master's degree. There is offered a considerable number of advanced courses which are so arranged that they may be taken for graduate credit. Graduate credit in the Portland summer session is given only for courses marked (G) following the title.

The preliminary and final examinations for the master's degree must be taken on the campus from which the degree is to be obtained.

Admission. To be admitted to the Graduate Division a student must submit an application accompanied by a transcript of the credits earned for his bachelor's degree. Temporary admission is sometimes granted to summer students without these credentials, but in such cases credits earned are provisional until a copy of the transcript is filed. Graduate summer students, including those who wish to apply their Oregon credits toward advanced degrees in other institutions, should send an undergraduate transcript in advance to the Registrar of the University of Oregon at Eugene, or the Registrar of Oregon State College at Corvallis, or bring a copy with them.

Preparation. To be eligible for a graduate major in any subject for a departmental degree, the student must have had an undergraduate major or its equivalent in that subject; at the University of Oregon or Oregon State College this means a minimum of 36 term hours. Students lacking part of this preparation may be required to take courses in the major department without graduate credit until the preparation is accepted as adequate. For the General Studies degree, a student must present evidence of satisfactory preparation in the field in which he elects to work.

Grade Requirement. For graduate students an average of B (GPA 3.00) is required on all of the work carried for graduate credit. No D grades will be counted for graduate credit.

Residence Requirement. For a master's degree one year of residence is required, or 45 term hours of graduate work. This work may be earned in the summer sessions, including the Portland session as indicated, but work for a master's degree in the University of Oregon or Oregon State College must be completed within a period of five years. All work at another institution for which credit is transferred must have been done within the same five-year period.

Transferred Credit. Graduate credit to a maximum of 15 term hours may be transferred from another accredited institution, with the approval of the major department and the Graduate Council; but such transferred credit may not shorten the residence requirement. Credit may not be transferred until a student has completed a term in residence at the University, the State College, or the Portland Extension Center.

Preliminary Examination. The preliminary oral examination required of candidates for the master's degree should be taken as soon as the student has completed approximately 15 hours of work, and must be taken before his final 15 hours of work.

Maximum Registration. The maximum number of hours that may be carried by a graduate student is nine for the six-week session.

Master of Arts—General Studies. The Master of Arts General Studies degree is granted (a) for research in interdepartmental fields, and (b) for achievement in cultural scholarship.

The degree is general only in terms of using the resources of several departments, but is intensive in terms of the subject, period, or problem studied. The degree is a recognition that the graduate interests of the student are sometimes better served by a coordinated grouping of disciplines than by the graduate courses found in a single department, and that cultural scholarship may sometimes be better achieved by an integration that disregards departmental requirements. The General Studies degree usually contemplates a certain complex of courses covering two or more departments. A considerable range may be worked out in the Portland Summer Session and the Portland Extension Center.

The purpose of the degree is to adapt as far as possible the program of studies to each individual student. The particular interest of the student may be in terms of a problem in which he is interested, a field of knowledge which he wishes to explore from many sides, or a period of culture. The committee may, on recommendation of the student's adviser, waive the regular foreign-language requirement for the M.A. degree. The thesis or essay may be waived by the committee. Requirements as to credits, grades, time limit, hours, preliminary and final examinations, and fees are the same as for the departmental degree. The preliminary examination should be taken before or upon completion of approximately one-third of the work for the degree.

A student seeking this degree should make application through the Portland Center Office to the General Studies Committee either before or as soon as he enters upon graduate work. The resident adviser in the Portland Center and the Portland Summer Session is Dr. Louis Berelson, whose office is in Lincoln High School during the summer session. Application forms and detailed instructions will be furnished in the general offices of the Portland Center, 814 Oregon Building, or in the summer office at Lincoln High School.

Grading System. The grading system consists of four passing grades, A, B, C, D; failure, F; incomplete, Inc.; withdrawn, W. A denotes exceptional accomplishment; B, superior; C, average; D, inferior. Students ordinarily receive

one of the four passing grades or F. When the quality of the work is satisfactory, but the course has not been completed, for reasons acceptable to the instructor, a report of Inc. may be made and additional time granted. Students may withdraw from a course by observing the usual regulation and by filing the proper blanks at the summer session office at Lincoln High School or 814 Oregon Building. A student who discontinues attendance in a course without official withdrawal receives a grade of F.

Course Numbering System. The courses in this catalog are numbered in accordance with the course numbering system of the State System of Higher Education. Lower-division (freshman and sophomore) courses are numbered below 300. Upper-division (junior and senior) courses are numbered from 300 to 499. A large (G) following the name of a 400 course indicates that the course may be taken for graduate credit.

A summer-session course that is essentially identical with a course offered during the regular academic year is given the same number.

A summer-session course that is similar to a course offered during the regular academic year, but differs in some significant respect, is given the same number followed by "s".

A course offered during the summer session which does not parallel any course offered during the regular academic year is given a distinct number followed by "s".

Fees. Registration and other fees applicable in the summer sessions are as follows:

Registration fee for regular six-week session.....	\$25.00
Students registering for more than three hours of work pay this fee. There is no additional out-of-state tuition for the summer sessions.	
Late-registration fee.....	1.00
Students registering after the close of the first week pay this fee.	
Single-course fee for students not carrying more than three hours, per credit hour.....	3.50
Auditor's fee, six-week sessions, per course.....	6.00
Examination fee for graduate students not enrolled in summer sessions.....	10.00
Paid by students not enrolled who take preliminary or final examinations for advanced degrees during summer sessions. Students enrolled for part-time work, for which they pay a fee of less than \$10.00, pay the difference between their registration fee and \$10.00 for the privilege of taking such examinations.	
Graduation fee.....	6.50

Laboratory and special fees in connection with particular courses are indicated in the course descriptions.

Refunds. The following refunds of fees will be made to students withdrawing from the six-week summer sessions:

Up to and including June 27.....	A refund of three-fourths of the registration fee.
After June 27 and up to and including July 5.....	A refund of one-half of the registration fee.
After July 5 and up to and including July 11.....	A refund of one-fourth of the registration fee.
After July 11.....	No refunds will be made, except in case of illness, in which case a refund of one-fourth of the registration fee will be made up to close of the fifth week.

Refunds of laboratory fees will be determined in individual cases, the amount to depend partly on whether laboratory materials have been purchased for the student.

Library. The collections of the Portland Public Library, totaling 492,000 volumes, are available to the students of the Portland summer session. For convenience, reference books covering assignments in all courses will be placed in the Lincoln High School Library (Room 217), which is open daily, except Saturday and Sunday, from 8:00 a.m. to 4:00 p.m. Miss Ruth Hall has been assigned to Lincoln High School as special summer-session librarian.

Textbooks. Textbooks are not listed in this catalog, but will be announced by the instructors at the first meeting of the classes, Monday, June 20. Books may be obtained from Portland book stores.

Room and Board. One of the advantages of the location of the Portland Summer Session is the wide range of satisfactory living accommodations. Room and board in private houses, boarding establishments, or residential hotels, may be secured at varying prices in accordance with the wishes and demands of the students; arrangements for housekeeping rooms may be made at many apartment houses at low summer rates. The summer office will furnish a list of living accommodations available in the city for summer students.

As a special convenience for summer-session students, the Lincoln High School cafeteria will be open every school day for breakfast and lunches.

Recreation. A number of recreational features will be arranged for students in the Portland summer session. There will be excursions and picnics to picturesque points of interest, and various scientific field trips under the leadership of members of the faculty. Special public lectures will be given by faculty members and distinguished visitors.

As an event of special interest, a boat will be chartered for an all day Saturday and Saturday evening excursion on the Willamette and Columbia rivers from Portland to the Bonneville Dam and return. The excursion is scheduled for July 16, and the fare will be \$1.00.

Assemblies. Three mornings a week from 10:50 to 11:10 o'clock, students will meet in the Auditorium for assembly. The programs will consist of fifteen-minute addresses, musical programs, brief dramatizations of class projects, readings, and other features by students, faculty, and distinguished summer visitors to Portland.

The Summer Sun, a four-page weekly newspaper, devoted exclusively to summer-school matters, is published by the journalism classes in the Portland session in cooperation with the journalism classes in the University of Oregon Summer Session at Eugene, and is distributed free to the faculty and students of the Portland Summer Session.

Pacific Northwest Institute of International Relations. The Pacific Northwest Institute of International Relations will meet in Portland from June 19 to June 29 under the auspices of Reed College and the Portland Summer Session. Students in the Portland session will have the privilege of attending the meetings of the Institute. The Institute will be of special interest to students registered in social-science classes.

Visual Instruction Exhibit and Conference. During one day of the summer session Mr. U. S. Burt, head of the department of visual instruction of the General Extension Division, will be in Portland for demonstration and conferences with teachers and others in regard to the use of available visual teaching aids.

Clinical and Demonstration School. For the past twelve summers a demonstration school has been a special feature at the Portland session. This summer, in cooperation with the Portland Public Schools, a Clinical and Demonstration School will be held in the Shattuck School, a few blocks from Lincoln High School, where the regular Portland session classes are scheduled. The work will include the grades from the fourth to the eighth, inclusive. There will be a staff of demonstration teachers for these grades, in addition to specialists in various fields.

Special Classes. In cooperation with the University of Oregon Medical School and the Portland Public Schools, the Portland summer session will give a series of special courses: in child guidance and adjustment, with clinical work and demonstration classes; in primary activities; in children's theater; in remedial reading; in speech correction; and in corrective physical education. The courses in this special program are:

Pa 306s. Child Psychiatry.
 Ed 237. Education Through Creative Activities for the Primary Grades.
 Ed 308s. Auditorium Technique and Administration in Elementary Schools.
 Ed 309s. Group-Interest Activities in the Elementary Schools.
 Ed 317s. Observation in Demonstration School.
 Ed 318s. Observation of Creative Activities.
 Ed 355s. Remedial Work for Speech Disorders.
 Ed 444s. Remedial Reading.
 Ed 463s. Methods for Exceptional Children.
 Ed 469s. Advanced Mental Hygiene.
 Ed 480s. Guidance and Personnel Work.
 PE 362s. Corrective Physical Education: Corrective Clinic.
 Psy 465s. Psychology of Learning.
 Eng 247s. Children's Theater.
 Demonstration Class for Mentally Retarded Children.
 Demonstration Class for Maladjusted Children.
 Child Guidance Clinic Conference.

Through the cooperation of the Portland Public Schools, groups of children will be available for the demonstration work in Corrective Physical Education Clinic, Children's Theater, activities class, Remedial Reading, Speech Correction, and classes for mentally retarded and maladjusted children.

Post Session. Portland session students may go to the Eugene campus for an additional month's work in the post session, August 1 to 26, or to the Corvallis campus for an additional five weeks' work in the second session, August 1 to September 2. Students intending to continue in the post session should inform their advisers at the time of making out the six-week program, so that sequences for a ten-week or eleven-week program may be planned.

Other Summer Sessions of the State System of Higher Education. The other summer sessions of the State System of Higher Education are as follows:

University of Oregon, Eugene.
 Regular session, June 20 to July 29.
 Post session, August 1 to August 26.

Oregon State College, Corvallis.
 Regular session, June 20 to July 29.
 Second session, August 1 to September 2.

Institute of Marine Biology, Coos Head.
 Regular session, June 13 to July 23.

Oregon Normal School, Monmouth.

Southern Oregon Normal School, Ashland.

Eastern Oregon Normal School, La Grande.
 First session, June 6 to July 15.
 Second session, July 18 to August 19.

Courses in the regular sessions and the second sessions of the University and the State College are listed as an appendix to this catalog. Students planning to continue work in the post session at Eugene or in the second session at Corvallis will find a statement of the offerings in this appendix, and by examining the whole list the student can determine where he can secure the most profitable program of summer study during both the regular and second sessions.

Correspondence Study. Students of the summer sessions, especially teachers, may frequently find a schedule of correspondence courses through which to continue their program of study after the close of summer sessions. Correspondence courses available through the General Extension Division are listed on the inside of the back cover of this catalog.

Extension Classes. The Oregon State System of Higher Education maintains an Extension Center in Portland where during the three regular terms of the academic year more than 170 night and late afternoon courses are offered by various schools and departments of the University of Oregon, Oregon State College, and the Oregon normal schools. The Portland Extension Center announcements for 1938-39 will be available in the office of the director of the summer sessions about July 27. Extension classes are also organized in other cities of the state when there is sufficient demand.

Description of Courses

For an explanation of the course numbering system see page 12. All classes meet daily, and carry three hours of credit, except where otherwise explicitly stated. The hours stated after the course title indicate the term hours of credit which may be earned.

ANTHROPOLOGY

DR. BERNARD

Anth 313s. **Introduction to Cultural Anthropology.** Three hours.

The social life and institutions of primitive peoples, preceded by a brief account of European and American archaeology. The technologies, social organization, daily life and modes of thinking of preliterate races. Some account of the races.

DAILY, 11:00. Room 106.

ART

ASSOCIATE PROFESSOR HINSHAW, MISS WUEST, MISS SCHULDERMAN, MR. DEUTSCHMAN

AA 266s. **Creative Design for Public Schools.** Three hours.

Creative expression as developed in the field of decoration. Consideration of freedom and individuality. Basic laws of organization and sources of material. Relationship of media to decorative expression. Adaptation of media and materials to public school curriculum. Design experience, stressing ceramics as well as two-dimensional surface enrichment. A series of practical problems to meet the needs of students and teachers. Miss Schulderman.

DAILY, 9:00. Room 301.

AA 290. Painting. Three hours.

The purpose is to establish a creative attitude towards the problem of building forms with color. Both plastic and visual approaches; design and elementary problems of craftsmanship; use of oil or watercolor. Intended for a wide range of personal interests and various stages of development. Instruction is mainly by individual criticism, enabling each student to begin and proceed according to his own ability. Some previous experience in drawing is necessary. Mr. Hinshaw.

DAILY, 12:00. Room 318.

AA 292s. Composition and Drawing. Three hours.

A brief consideration of the basic problems of representation, and the development of a few guiding ideas in regard to organization of pictorial material. Intended to be a beginning course in graphic expression. Mr. Hinshaw.

DAILY, 9:00. Room 318.

AA 296s. Art Metal Work: Applied Design. Three hours.

Technique in forming and shaping copper, pewter, or silver; use of various hammers and tools; chasing or repoussé work; making of tools to fit design; soldering. Students will buy their own metal for making objects, but all necessary tools will be furnished. Laboratory fee, \$3.00. Mr. Deutschman.

DAILY, 1:00. 508 Kraemer Building, 206 S. W. Washington Street.

Ed 337s. Technique in Art Activities. Three hours. (See also EDUCATION.)

Designed for teachers of elementary schools to assist them in developing the possibilities of materials and media in activity programs. Use of newspapers, magazines. Papier maché; clay, crayon, opaque color; block print. Problems of the school subjects, clarified by creative art projects. Stage settings; industrial subjects. Miss Wuest.

DAILY, 11:00. Room 309.

AA 367s. Child Art: Technique of Creative Expression in Art. Three hours.

(See also Ed 367s under EDUCATION.)

This course, offered especially for teachers in the elementary schools, seeks to furnish adults with a point of view and a method of approach by means of which the imaginative life of children may be encouraged and directed into creative channels. Mr. Hinshaw.

DAILY, 10:00. Room 301.

AA 372s. Commercial Art. Three hours.

Fundamental art principles as applied to typical problems of display, advertising, and merchandising. Lettering and showcard writing; advertising layout; manuscript writing; poster. Discussion of materials, techniques, and processes in modern commercial art. Miss Schulderman.

DAILY, 8:00. Room 301.

AA 373s. Creative Art Laboratory. Three hours.

The basic problems of aesthetic perception and judgment, approached experimentally rather than wholly by the lecture method. Through active participation students are aided in making enjoyment of art a more vital experience. Although representative types of creative activity are attempted, no special art ability is necessary and the class is intended for anyone interested in securing a concrete basis for art appreciation. Lectures, assigned readings, and research in addition to class activity. Mr. Hinshaw.

DAILY, 11:00. Room 301.

AA 376s. Use of Pictures. Three hours.

Educational values in pictures. Visual material in relation to the various subjects in the school curriculum. The appeal of pictures; kinds of reproduction; contributions of the past; aesthetic elements; commercial subjects. The fundamentals basic in all the arts; their relationship and unity. Miss Wuest.

DAILY, 10:00. Room 309.

AA 490. Advanced Painting. Three hours.

A continuation of AA 290, intended for those who have had previous painting experience. Larger and more difficult problems of organization are undertaken and further consideration is given to the problems of craftsmanship and media. Mr. Hinshaw.

DAILY, 12:00. Room 318.

BACTERIOLOGY

PROFESSOR SEARS

Bac 345s. Bacteriology and Public Health. Three hours.

A study of bacteria and their relation to disease; the nature of infection; the mechanism of resistance or immunity; the public control of communicable diseases.

DAILY, 8:00. Room 314.

BOTANY

DR. HARRIS, MR. THAXTER

Bot 201, 202, 203. General Botany. Nine hours.

An introductory study of plant life; structure and physiology of higher plants; examples of the chief groups of the plant kingdom; introduction to plant classification, and basic principles of plant heredity. Laboratory fee, \$5.00. Dr. Harris.

Lecture: DAILY, 8:00 and 11:00. Room 317. Laboratory: DAILY, 9:00-11, and Tuesday and Thursday, 12:00-1:00. Room 316.

Bot 320s. Methods in Nature Study: Plants, Birds, Mammals, Earth Study, Sky Study. Three hours.

A study of sources and selection of materials, of methods and correlation with other subjects in the elementary curriculum. Plants: recognition and characteristics of common plants; collection and preservation. Birds: characteristics and habitats of summer birds. Mammals: classification and study of Oregon mammals; their habits; methods in introducing study of animals to elementary-school pupils. Earth study: common rocks and rock formation. Sky study: study of summer constellations and first-magnitude stars; phases of the moon; movements of the planets. Weekly nature walks will be held for those who desire to take them. Mr. Thaxter.

DAILY, 9:00. Room 314.

Bot 405. Reading and Conference. (G) Hours to be arranged.

Assigned reading in a chosen field, with individual conferences and a written report upon a selected topic. Dr. Harris.

Time to be arranged.

Bot 421s. Advanced Systematic Botany: Trees and Shrubs of the Pacific Northwest. Three hours.

A study of the forest trees and shrubs of the Pacific Northwest, and of other important trees of the U. S. Besides the identification, distribution, and relative importance of the various trees and shrubs, the course will include some background and history. Dr. Harris.

DAILY, 10:00. Room 314.

CHEMISTRY

ASSISTANT PROFESSOR CHRISTENSEN

Ch 101, 102, 103. Elementary General Chemistry. Nine hours.

Designed for students wishing an introduction to the general field. Devoted primarily to general principles and the chemistry of the nonmetals. Laboratory fee, \$5.00.

Lecture: DAILY, 8:00 and 11:00. Room 306. Laboratory: DAILY, 9:00-11:00, and Tuesday and Thursday, 12:00-1:00. Room 307.

DRAMA

MR. HAYDON

Eng 248s. Children's Theatre. Three hours.

The principles and practice of directing children's dramatics. Actual practice and production of children's plays, with the assistance of a group of 75 children from the Portland Public Schools. For teachers, directors of recreational activities, and others interested in supervising the dramatic activities of children or in using drama as a means of instruction. A simple, practical plan for a children's theater will be carried out, using resourcefulness rather than expensive equipment.

DAILY, 9:00. Room 108.

Eng 346. Play Production. Three hours.

Especially designed to meet the needs of school and community directors. Choosing the play: discussion of plays suitable for the various groups of players and sources of play texts. Casting the play: analysis of the play for rehearsal. Organization of the production staff. Practical problems in make-up, costume, scenery, rehearsal, and business management. Two productions are planned for public performance.

DAILY, 11:00. Room 108.

ECONOMICS

DEAN MORRIS

Ec 211. Outline of Economics. Three hours.

The principles that underlie production, exchange, and distribution. Practical problems, such as monetary and banking reform, regulation of international trade, the taxation of land values, labor movement, regulation of railways, the control of trusts, are considered.

DAILY, 8:00. Room 203.

Ec 441. International Economic Policies. (G) Three hours.

A study of post-war international problems, with special reference to the European settlement, the problems of international debts, and the difficulties that were precipitated by the coming of the business depression throughout the world. An analysis of the forces contributing to the present situation in Europe.

DAILY, 10:00. Room 203.

Ec 475s. Current Economic Problems. (G) Three hours.

Analysis of the problems of the business depression and efforts at recovery. The New Deal will be studied and the developments in economic activity examined. Current problems of money and banking, labor difficulties, international trade, economic planning, social security, and farm relief will be featured. An attempt will be made to appraise the present situation and to forecast the difficulties which may be ahead.

DAILY, 9:00. Room 203.

EDUCATION

ASSOCIATE PROFESSOR BEATTIE, MR. WHITNEY, MISS BRIDGES, DR. MARTIN, ASSOCIATE PROFESSOR HINSHAW, MISS NORTON, MISS WUEST, PROFESSOR WRIGHT, DR. ALTSTETTER, DR. KNOBE, DR. SPAULDING, DR. BERNARD, MR. KLEINFELD, MRS. HILDER

Ed 237s. Education Through Creative Activities for the Primary Grades. Three hours.

The theories underlying the techniques utilized in developing the creative activities' program. The discussions will include the planning and directing of centers of interest; providing for the learning skills, concepts, and attitudes; the evaluation of outcomes; creative activities, freedom, and discipline; the organization of the daily schedule. Miss Norton.

DAILY, 8:00. Room 114.

Ed 308s. Auditorium Technique in the Elementary Schools. Three hours.

For administrators and teachers interested in the use of the auditorium in the elementary school. The study includes the philosophy, objectives, organization technique, and value of auditorium work. Auditorium schedule, equipment, program building, bibliography, program material, correlation and integration, and demonstration. Miss Bridges.

DAILY, 8:00. Room 113.

Ed 309s. Group-Interest Activities in the Elementary Schools. Three hours.

A practical study of group-interest activities as carried on in modern schools; special emphasis on the value of creative work; demonstration work through participation in story telling, planning and carrying out of projects; administrative procedure in the selection and organization of activities. The course is planned to meet the needs of teachers and principals interested in developing a liberal program of activities for the different age levels and interests. Miss Bridges.

DAILY, 9:00. Room 113.

Ed 311. Secondary Education. Three hours.

An extensive study of the problems of the high school from the standpoint of the teacher, involving a consideration of its aims, functions, and characteristics. Prerequisite: General Psychology. Dr. Altstetter.

DAILY, 8:00. Room 110.

- Ed 312. **Educational Psychology.** Three hours.
The applications of psychology to education; the psychology of the learning process; the laws of learning; emotional development and individual differences. Some reference to the contributions of Gestalt psychology to education. Dr. Martin.
DAILY, 9:00. Room 204.
- Ed 313. **Principles of Teaching.** Three hours.
Application of the laws of psychology to teaching; the significance of individual differences; types of learning; aims and functions of secondary education; socialization; supervised study; measuring results. Prerequisite: Educational Psychology or its equivalent. Mr. Beattie.
DAILY, 11:00. Room 116.
- Ed 316. **Oregon School Law and the Oregon System of Education.** Two hours.
An analysis of the Oregon school system and the laws on which the system is based. Attention will be given to the problems of Oregon schools, plans proposed for their solution, the course of study and trends in educational development in the state. Prerequisite: Junior standing. Mr. Beattie.
TuWThF, 10:00. Room 116.
- Ed 317s. **Observation in Demonstration School.** Three hours.
Observation of actual classes in the Demonstration School. The work in the school is organized in two divisions—special activities and home room. Either Ed 308s, 309s, 324s, or 350s must be taken in conjunction with this course. Mr. Whitney and Miss Bridges.
DAILY, 11:00. Room 107.
- Ed 318s. **Observation of Creative Activities.** Three hours.
Observation of progressive methods at work in the primary grades. Ed 237s must be taken in conjunction with this course. Miss Norton.
DAILY, 10:00. Shattuck School.
- Ed 324s. **Correlation of the Social Studies in the Elementary Schools.** Three hours.
Integration of the social studies to meet the demands of a modern social-science course. Units of activity are assigned for development. The correlation method of treatment is followed. Classroom aids for teachers and principals. Mr. Whitney.
DAILY, 9:00. Room 107.
- Ed 325. **Methods in Modern Foreign Languages.** Three hours.
Investigation of sources, and use of modern equipment and texts; project method and socialized procedure; analysis of individual problems with conferences. Dr. Wright.
DAILY, 11:00. Room 310.
- Ed 337s. **Technique in Art Activities.** Three hours. (See also under ART.)
Designed for teachers of elementary schools to assist them in developing the possibilities of materials and media in activity programs. Use of newspapers, magazines. Papier maché; clay, crayon, opaque color; block print. Problems of the school subjects, clarified by creative art projects. Stage settings; industrial subjects. Miss Wuest.
DAILY, 11:00. Room 309.

- Ed 350. **Curriculum and Organization of Elementary Schools.** Three hours.
The need of curriculum revision. The function of aims of education; of the aims of a subject; of content, with the discussion of criteria for its selection. The function of method in curriculum construction, of outcomes, and of research and measurements. How a school system should be organized for curriculum construction. Some important problems of production and installation of a curriculum. Mr. Whitney.
DAILY, 10:00. Room 107.
- Ed 355s. **Remedial Work for Speech Disorders.** Three hours.
Classification of speech defects and disorders. Nervous speech disorders; stammering, stuttering, hesitation, cluttering. Teacher-education in corrective technique for use in public schools; clinic observation. Mr. Kleinfeld.
DAILY, 8:00. Room 216.
- Ed 367s. **Child Art: Technique of Creative Expression in Art.** Three hours.
(See also AA 367s under ART.)
This course, offered especially for teachers in the elementary schools, seeks to furnish adults with a point of view and a method of approach by means of which the imaginative life of children may be encouraged and directed into creative channels. Mr. Hinshaw.
DAILY, 10:00. Room 301.
- Ed 405. **Reading and Conference.** (G) Hours to be arranged.
Assigned reading in a chosen field, with individual conferences and a written report upon a selected topic. Mr. Beattie.
Days to be arranged, 2:00. Room 116.
- Ed 407s. **Seminar: Cooperative Study of Secondary School Standards.** (G) Three hours.
Topics for study will be: objectives and means of accreditation; rigid standards vs. flexible criteria; bases for accreditation; the use of the evaluative criteria by the school for self-evaluation, stimulation, improvement. Needs of the group will determine the relative amount of emphasis placed on these topics. Dr. Altstetter.
Days to be arranged, 9:00. Room 110.
- Ed 410s. **Methods in Health Education.** Three hours. (See under Physical Education.)
- Ed 428s. **Philosophy of Education.** Three hours.
A study of the broad fundamental principles and problems of education, with some attempt at their solution. The meaning of philosophy; the philosophy of education; principal rules, formulae; the value of a correct philosophy of education for the teacher and school administrator. Dr. Knode.
DAILY, 9:00. Room 115.
- Ed 444s. **Remedial Reading.** Three hours.
The psychological basis for teaching reading; typical reading difficulties and their causes; and an evaluation of various diagnostic and remedial methods used in treating reading disabilities. A daily part of the course will be observation of and participation in the clinic in remedial reading in the Shattuck School.

tuck Clinical and Demonstration School, where a special class of children will be in attendance. Mrs. Hilder.

Section 1 (G), for graduate students and high school teachers: DAILY, 8:00. Room 215.

Section 2: DAILY, 9:00. Room 215.

Ed 457s. **Educational Sociology.** (G) Three hours. (See also Soc 457s under SOCIOLOGY.)

Education as a basic social process in civilized society; social factors and laws upon which educational theory and practice must rest; criteria for the evaluation of progress; social principles underlying the learning process; their application by the school in generating social interest and guiding pupils to become effective, participating members of society. The curriculum and social adjustment; teaching personnel and society; the school as a social institution; other educational agencies and institutions; education and social adjustment. Dr. Bernard.

DAILY, 10:00. Room 106.

Ed 463s. **Methods for Exceptional Children.** Three hours.

A brief description of the major types of exceptional children, and special consideration of the modification in curricula and methods of the regular school necessary to meet their needs. Dr. Martin.

DAILY, 8:00. Room 204.

Ed 475s. **Trends in Modern Education.** (G) Three hours.

Contemporary movements in modern American education from 1900 to the present, with special reference to American modes of thought and their background. Dr. Knode.

DAILY, 10:00. Room 115.

Ed 480s. **Guidance and Personnel Work.** (G) Three hours.

Definition; divisions and functions as applied to secondary schools. Study of trends and methods; the work of various administrative officers in relation to guidance; content and uses of records; applications in schools of different sizes; relations to other educational functions and agencies. Dr. Knode.

DAILY, 11:00. Room 115.

Ed 490. **Character Education.** (G) Three hours.

The place of character in the social purpose of education; distinction between training and instruction; the dynamic function of the feelings; the conditioning of interests; the function of ideals; the formation of habits, the integration of habits and attitudes. Analysis of typical procedure. Prerequisite: Ed 311, 312, 313, or equivalent. Dr. Spaulding.

DAILY, 8:00. Room 112.

Ed 498. **Curriculum Laboratory.** (G) Three hours.

Designed for those who, as individuals or members of curriculum-revision committees, are actively engaged in curriculum construction within the school system. Consideration will be given to the application of the most approved techniques of curriculum construction, to such curriculum problems as the formulation of bibliographies, the selection of materials, the organization and writing of courses of study. Dr. Altstetter.

DAILY, 11:00. Room 110.

Summer Program of the Child Guidance Clinic of the University of Oregon Medical School

The courses listed below are planned for teachers who expect to participate in the State Child Guidance Program of the University of Oregon Medical School; registration will be approved by the Administrative Committee of this program. Those registering are required to take all of the courses. There will be no tuition charge, and credit will not be given. The courses will be given in the Shattuck Demonstration School during the six-week period from June 20 to July 29.

Demonstration Class for Maladjusted Children. Demonstration of methods for emotional and maladjusted children. Child Guidance Clinic Staff and Mrs. Olive Strom.

Demonstration Class for Mentally Retarded Children. Demonstration of teaching methods for mentally retarded children in the ungraded classroom. Child Guidance Clinic Staff and Mrs. Clara R. Chaney.

Child Guidance Clinic Conferences. Demonstration of the working mechanism of the Child Guidance Clinic, including case studies and methods of history taking, general examination, and follow-up work, correlating the activities of the visiting teachers and other social-service agencies, the psychologist, the psychiatrist, and the social-work disposition. Child Guidance Clinic Staff.

ENGLISH

PROFESSOR SMITH, PROFESSOR PARSONS, ASSISTANT PROFESSOR COLLIER
DR. COLEMAN

Eng 112. **English Composition (Any Term).** Three hours.

Instruction in the writing of papers, book reviews, essays, and reports in the students' several fields of study. Correction. A course in composition and rhetoric, with practice in general exposition and in analyzing reading material. Equivalent to any term of the required course in written English. Mr. Collier.

DAILY, 11:00. Room 205.

Eng 161. **Survey of American Literature.** Three hours.

Emphasis on the development of American letters with respect to locale, type, and significance rather than on chronology; the aim is to discriminate both aesthetically and technically. The literary high lights in poetry, humor, fiction, and the essay will receive chief attention, and will be viewed in their relationship to gradual or to vital change in the social outlook and in canons of taste. Mrs. Parsons.

DAILY, 10:00. Room 207.

Eng 201. **Shakespeare (First Term).** Three hours.

The plays of Shakespeare's early period. *Midsummer Night's Dream*, *Richard II* and *III*, *Romeo and Juliet*, *Merchant of Venice*, *Henry IV*, parts I and II. Covers the first term of the required course in Shakespeare. Mrs. Parsons.

DAILY, 11:00. Room 207.

Eng 324. **English Composition for Teachers.** Three hours.

A study of attitudes, methods, and materials in the teaching of grammar, composition, and language. Discussion of problems of the classroom; adjustment to the course of study; means of securing interest; brief review of mechanical techniques. For students expecting to teach English in high schools. Prerequisite: Eng 111, 112, 113. Mr. Collier.

DAILY, 8:00. Room 205.

Eng 363s. **Twentieth-Century Literature.** Three hours.

Representative English novels, dramas, and essays since 1900, showing the main social and artistic currents of the period. Mr. Smith.

DAILY, 10:00. Room 206.

Eng 405. **Reading and Conference.** (G) Hours to be arranged.

Through directed reading and conference, upper-division and graduate students are enabled to reinforce their foundational preparation in literature, and by connected reading, discussion, and discrimination to bridge gaps in essential period courses. Each student's problem receives separate direction and suggestions, and class sessions serve to knit together the interests of all. Mrs. Parsons.

Days to be arranged, 9:00. Room 207.

Eng 407s. **Seminar: Social Problems in English Literature.** (G) Two or three hours.

Study of the imaginative treatment, in prose and poetry, of social problems such as poverty, the changing status of women, political and religious liberty, and the place of the worker in an industrial order. Oral and written reports and group discussion. Dr. Coleman.

Days to be arranged, 9:00. Room 207.

Eng 407s. **Seminar: Modern Comedy.** (G) Two or three hours.

English comedy from Tom Robertson to the present, including W. S. Gilbert, Grundy, Pinero, Jones, Wilde, Shaw, Noel Coward, and others. For comparison, American comedies by Behrman, Kaufman, Hart, Hecht, MacArthur, and others. Theories of the comic and critical literature on comedy. Mr. Smith.

Days to be arranged, 8:00. Room 206.

Eng 433. **The Romantic Revolt.** Three hours.

A study of the new freedom of feeling and expression that burst forth in English letters during the last quarter of the 18th and the first quarter of the 19th century. Special attention will be given to the poetry of Wordsworth and Keats. Dr. Coleman.

DAILY, 9:00. Room 208.

Eng 451. **Milton.** (G) Three hours.

An effort to appreciate the highest expression of 17th century interest in scientific, philosophical, and religious truth by the great champion of intellectual and political freedom. Special study will be made of *Paradise Lost*, *Samson Agonistes*, and *Areopagitica*. Dr. Coleman.

DAILY, 10:00. Room 208.

Eng 457. **Literature of the Renaissance.** (G) Three hours.

The Italian and French backgrounds of the English Renaissance. Petrarch, Boccaccio, Ariosto, Machiavelli, Castiglione, Cellini, Villon, Ronsard, Rabelais, Montaigne, Erasmus. Humanism in relation to the currents of the Renaissance and the Reformation. All works are read in English. Mr. Smith.

DAILY, 9:00. Room 206.

FRENCH

PROFESSOR WRIGHT

RL 1s. **First-Year French.** Three hours.

The essentials of French grammar. Translation of short English sentences into idiomatic French and simple French prose into English. Formal composition will accompany the reading. Abundant and systematic practice in conversation; instruction in the sounds of French through the medium of phonetic symbols.

DAILY, 8:00. Room 310.

Ed 325. **Methods in Modern Foreign Languages.** Three hours. (See also EDUCATION.)

Investigation of sources, and use of modern equipment and texts; project method and socialized procedure; analysis of individual problems with conferences.

DAILY, 11:00. Room 310.

RL 405. **Readings in Romance Languages.** (G) Hours to be arranged.

Readings in various periods, adapted to the needs of the class.

Days to be arranged, 9:00. Room 310.

GEOGRAPHY

DR. GOULD

Geo 407s. **Seminar: Geography of World Problems.** (G) Two or three hours.

An examination, which will consist of assigned readings, reports, and discussions, will be made of the geographic background of the claims made by the nations actively prosecuting their desires for territorial expansion as opposed to those who favor the maintenance of the present status. Special attention will be devoted to the changing maps of Europe and the Far East and the geographic factors behind these changes.

Days to be arranged, 9:00. Room 105.

Geo 416s. **Advanced Regional Geography: Geography of the Polar Regions.**

Three hours.

A systematic study of the Arctic and Antarctic regions in terms of their physical characteristics such as land forms, glaciers, and climates, and the relationships of these to the peoples, the flora, and the fauna which are found there. A special feature of the course will be a resume of the history of polar exploration from its beginning up to the most recent expeditions. For teachers and students of geography, writers, and others who wish an intimate and unified knowledge of the regions which lie about the Poles.

DAILY, 11:00. Room 105.

GEOLOGY

DR. GOULD

G 201s. Physical Geology. Three hours.

A general study of the phenomena of the earth's crust with emphasis on the materials composing it and the manner of their formation and occurrence. It is designed to give the student an understanding of landscape or earth features in terms of their geological background. The course will conclude with a brief outline of the history of the earth which will include the more significant events in the origin and development of life.

DAILY, 10:00. Room 105.

GERMAN

DR. SPAULDING

Ger 1. Elementary German. Three hours.

For students who wish to acquire a reading knowledge of the language for scientific purposes, or to review essentials. Additional credits may be earned by taking correspondence work.

DAILY, 9:00. Room 211.

Ger 311s. Modern German Drama. Three hours.

Two plays, by the foremost living German dramatist and by one of the most vital exponents of German expressionistic drama. (Texts: Gerhart Hauptmann, *Die Weber*; and Fritz von Unruh, *Prinz Louis Ferdinand*.) Discussion and translation.

DAILY, 11:00. Room 211.

Ger 334s. German Conversation and Rapid Reading. Three hours.

Short stories by such authors as Schnitzler, Heinrich Mann, Carl Hauptmann, Franz Werfel, Jakob Wassermann, and Hermann Bahr. (Text: Porterfield, *Modern German Stories*.) Conversation (based on Zieglschmid, *Wir Sprechen Deutsch*), drawn from modern German (non-political) life, institutions, travel, geography, etc.

DAILY, 10:00. Room 211.

Ger 405. Reading and Conference. (G) Hours to be arranged.

Assigned reading with individual conferences and a written report upon a selected topic.

Days to be arranged, 8:00. Room 211.

HISTORY

MR. HULME, DR. LOVELL, DR. GRIFFIN, DR. GATKE

Hst 208. English History (Second Term). Three hours.

From the Stuart Restoration (1660) to the downfall of Napoleon (1815). Attention will be given to the important constitutional, social, economic, religious, and intellectual developments of the period as well as to the European wars in which England became involved and to overseas expansion.

Dr. Lovell.

DAILY, 9:00. Room 212.

Hst 343. Modern Europe Since 1870. Three hours.

A political and social account beginning with the diplomatic events leading to the war; analysis of the peace settlement, and of the conditions and problems of the chief countries since the war; the political effects of the depression. Dr. Lovell.

DAILY, 11:00. Room 212.

Hst 373. History of the United States Since 1898. Three hours.

From the Spanish War to the present. Growth of American imperialism; the Progressive movement; social, economic, and cultural changes; entrance of the United States into the World War; domestic and international policies since 1919. Dr. Griffin.

DAILY, 8:00. Room 213.

Hst 377. Oregon History. Three hours.

A general survey of the discovery and exploration of the Oregon Country, the development of the Northwest fur trade, the coming of the immigrants, and the final establishment of organized government. A review of Oregon's transportation history, ocean and river commerce, and the development of industry and agriculture. This course, in conjunction with Ed 316 Oregon School Law and the Oregon System of Education, will meet the state requirement. Dr. Gatke.

DAILY, 9:00. Room 215.

Hst 400s. Historical Method. (G) Two or three hours.

A course preparatory to historical research and to the teaching of history. It discusses what history is, what it is for, what are its materials, what are its methods, what are its relations to neighbor studies, how to read history, how to study it, and how to write it. Mr. Hulme.

Days to be arranged, 11:00. Room 111.

Hst 405. Reading and Conference in Asiatic Relations. (G) Hours to be arranged.

Topics in American-Asiatic relations of the present and earlier periods, local, state, regional, and national. Subjects selected in conference with the instructor. Dr. Griffin.

Days to be arranged, 9:00. Room 213.

Hst 405. Reading and Conference in Modern European History. (G) Hours to be arranged.

Selected problems relating to the European countries or to their diplomatic relations. Dr. Lovell.

Days to be arranged, 10:00. Room 212.

Hst 415s. European Thought and Culture. Three hours.

A history of various movements of thought and ideals of conduct that have been influential in the life of western Europe and in that of our own country. It will be illustrated by many readings from poems, essays, novels, and plays; and many interesting and significant personalities will be involved in the study. Mr. Hulme.

DAILY, 10:00. Room 111.

Hst 431. The Renaissance. (G) Three hours.

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

DAILY, 8:00. Room 111.

Hst 492s. Oriental History. (G) Three hours.

Historical background and development of present Oriental problems and cultures, especially in Japan, China, and Russia. The relationship of these nations to each other and to world affairs, with consideration of their current complicated and competitive interests. The course lays a foundation for the interpretation of present events and developments in the Far East. A brief account of Japan from the time of the Perry mission, with increasingly full treatment of her phenomenal westernization, industrialization, and imperial expansion. A short summary of the leading Chinese characteristics and the growth of Chinese civilization, with major attention to modern China, and her contemporary struggles and problems. Some discussion of Asiatic Russia and her part in the Far Eastern problems. Dr. Griffin.

DAILY, 11:00. Room 213.

HOME ECONOMICS

DR. JOHNSON, MISS MOREHOUSE

CT 231. House Furnishing. Three hours.

Development of appreciation of beauty and suitability in home furnishings, and of some knowledge of the materials and processes involved. Miss Morehouse.

DAILY, 8:00. Room 311.

CT 311. Costume Design. Three hours.

Principles of art applied in the selection and designing of appropriate costumes. Brief study of historic costume and its relation to modern dress. Miss Morehouse.

DAILY, 11:00. Room 311.

HAd 405. Reading and Conference. (G) Hours to be arranged.

Study of special problems in the field of home economics, with reports and conferences. Miss Morehouse.

Days to be arranged, 2:00. Room 104.

HAd 422s. Family Relationships. (G) Three hours.

An analysis of factors entering into adjustments within the modern family group; attributes of successful family life. Dr. Johnson.

DAILY, 10:00. Room B.

JOURNALISM

PROFESSOR TURNBULL

J 339. Teaching and Supervision of Journalism in High Schools. Three hours.

School journalism, covering the supervision of high-school papers and school news notes for general newspapers, and the teaching of journalistic

writing. Educational promotion methods, and school relations with the press. Journalistic methods for vitalizing English composition; interpreting the school to the community; how to read a newspaper. For present or intending teachers of high-school English or for educational administrators. A survey of newspaper practices, standards, and preferences insofar as these have a bearing upon school news.

DAILY, 11:00. Room 114.

J 360s. General Journalism. Three hours.

A practical course for prospective journalists, to serve as a foundation for a beginner on a newspaper, or in the free-lance writing field, or for a publicity worker. Newsgathering, evaluation, and writing. Practical experience afforded by work on *The Summer Sun*. Previous training not required, but students should be able to write good standard English.

DAILY, 10:00. Room 114.

J 405. Reading and Conference. (G) Hours to be arranged.

Individual work on selected problems.

Days and time to be arranged.

LIBRARY

MISS MULHERON

Eng 388s. Children's Literature. Three hours.

A brief survey of children's literature, intended to acquaint teachers in elementary schools with the outstanding types of children's books. Lectures and discussions.

DAILY, 11:00. Room 113.

MATHEMATICS

DR. PRICE

***Mth 101s. College Algebra.** Three hours.

Begins with quadratic equations. Solution of equations by determinants, theory of equations, probability, complex numbers, and other subjects will be studied.

DAILY, 11:00. Room 308.

***Mth 311s. History of Mathematics.** Three hours.

Traces the development of number and geometric form through ancient, medieval, and modern times. Prerequisite: Elementary analysis or its equivalent.

DAILY, 9:00. Room 308.

Mth 331. Applied Mathematics. Three hours.

A course in the applications of the calculus, including applications of hyperbolic functions. Special attention is given to the mathematical formulation of practical problems. Prerequisite: Calculus.

DAILY, 10:00. Room 308.

* Either Mth 101s or Mth 333, and either Mth 311s or Mth 411 will be given.

- *Mth 333. **Elements of Modern Geometry.** Three hours.
Geometry of the triangle and circle, based on high-school plane geometry. Valuable for geometry teachers and required in the minor teaching norm.
DAILY, 11:00. Room 308.
- Mth 405. **Advanced Studies: Theory of Numbers.** (G) Three hours.
Elementary properties of rational integers, including an introduction to the theory of quadratic forms. A study of some diophantine problems.
DAILY, 8:00. Room 308.
- *Mth 411. **Theory of Equations and Determinants.** (G) Three hours.
Properties and methods of solution of algebraic equations, and a brief study of determinants and their applications. Prerequisite: Unified mathematics or equivalent.
DAILY, 9:00. Room 308.

MUSIC

MR. CAMPBELL

- Mus 120s. **Group Technique in Oral Interpretation.** Three hours.
Group practice in interpretation of various forms of vocal music, with special emphasis on rhythm and tone quality. The study of unison singing, particularly the ballad form, and part singing, including the choral. National and racial types of music. Of special value to grade teachers, auditorium directors, and directors of community singing.
DAILY, 10:00. Room 103.
- Mus 319s. **Public-School Music.** Three hours.
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 note singing. Phrasing and interrelation. The various systems of music books and manuals used as texts. Staff notation.
DAILY, 11:00. Room 103.
- Mus 419s. **Musical Forms.** Three hours.
Study of aesthetic principles governing the element of design in musical composition and their application through explanation, analysis, and experience in recognition of representative examples of all the established musical forms from folk-song to symphony. In order that the treatment of the subject may be as comprehensive as possible, some attention will be given to the polyphonic as well as to the homophonic forms. While this class offers a distinct and intensive course in itself, the material with which it deals is of such importance in the History and Appreciation of Music that the two classes are so planned as to supplement each other. Mr. Campbell.
DAILY, 8:00. Room 103.
- Mus 422s. **History and Appreciation of Music.** Three hours.
A course of general appeal, the purpose of which is to stimulate interest in and, through understanding, enjoyment of the great literature of music. The story of the art from its primitive beginnings to its present state of de-

* Either Mth 101s or Mth 333, and either Mth 811s or Mth 411 will be given.

velopment will be closely followed. The discussion of instruments, rhythms, content, and significance of selected compositions, and the distinctive spirit of the various periods will be closely associated with demonstration in listening to music itself. Mr. Campbell.

DAILY, 9:00. Room 103.

PHILOSOPHY

DR. SPAULDING

- Phl 203. **Introduction to Philosophy.** Three hours.
An historical and systematic survey of some of the more important problems that have appeared as the result of reflection upon scientific, moral, religious, and other cultural activities from the Greeks to the present. The writings of some of the great philosophers, such as Plato, Kant, and James, will be considered, and the main philosophical positions such as Idealism, Pragmatism, and Realism will be critically presented.
DAILY, 9:00. Room 104.
- Phl 407s. **Seminar: Philosophy of Mind.** (G) Two or three hours.
A study of the nature and function of mind from both the psychological and philosophical points of view. Among the topics to be discussed are: the implications and presuppositions of the different schools of psychology, the nature of the self and personality, the place of mind in nature and in society.
Days to be arranged, 10:00. Room 104.
- Ed 428s. **Philosophy of Education.** Three hours. (See under EDUCATION.)
- Ed 490. **Character Education.** (G) Three hours. (See under EDUCATION.)

PHYSICAL EDUCATION

PROFESSOR THOMSON, PROFESSOR KNOLLIN,
MISS WOOD, MR. HAYDON

- PE 321. **Methods of Health Education.** Three hours.
The nature, scope, purpose, organization, and administration of the health-education program in the secondary schools. Principles and methods in safety education, mental hygiene, and sex hygiene. Each student will have the opportunity to construct a program of health education suitable to his own teaching situation. Miss Thomson.
DAILY, 11:00. Room D.
- PE 324s. **Rhythmic Activities.** Three hours.
Especially designed for beginners and those who are expecting to teach dancing. Presents a type of dancing based on natural and free movements, musical interpretation, and creative expression. Miss Wood.
DAILY, 10:00. Gymnasium.
- PE 325s. **Physical Education Laboratory for Women.** Three hours.
Required of women physical education majors. Special emphasis on the dance; the analysis of music, expression, design. The application of art principles to dance composition, the carrying out of ideas into dance programs, with special stressing on the high school and college age level. History of the dance. Individual and group technique. Miss Wood.
DAILY, 8:00. Gymnasium.

PE 351s. Play and Playground Programs. Three hours.

Methods and material for teaching play and games suitable for summer recreation playgrounds, and for recess periods, noontime periods, and play activities during the regular school year. Miss Wood.

DAILY, 9:00. Gymnasium.

PE 352s. Fencing. Three hours.

The theory and practice in the use of the sword, foil, rapier, and other historical weapons. Combat and practice. Students will be asked to furnish their own equipment, cost of which will be about \$5.00. Mr. Haydon.

DAILY, 1:00. Gymnasium.

PE 358. First Aid. Three hours.

Care and treatment of injuries. A study from both the practical and academic aspects dealing with accidental injuries, principles of massage, bandaging, treatment of sprains, bruises, strains and wounds, diet, training rules, daily work program, and preliminary conditioning of athletes. American and Red Cross first-aid certificates will be awarded. Mr. Knollin.

DAILY, 11:00. Room 315.

PE 362. Corrective Physical Education: Corrective Clinic. Three hours.

Examination; fitting exercises to an individual; making out the individual's program; teaching the program. Children from the Portland Public Schools will form groups for demonstration in the clinic. Miss Thomson.

DAILY, 8:00. Room D.

PE 405. Reading and Conference. (G) Hours to be arranged.

Reading and assignments in connection with other courses for extra credit. Enrollment only with consent of the instructor. Miss Thomson.

Days to be arranged, 2:00. Room 105.

PE 407s. Seminar in Physical Education. (G) Two or three hours.

Modern developments in buildings and grounds. The adaptation of programs to limited facilities. The influence of buildings on programs, on instruction, on equipment service, on coordination with other school subjects and functions, on school health, sanitation, hygiene, budget problems and upkeep and maintenance. Mr. Knollin.

Days to be arranged, 9:00. Room 315.

PE 475s. Organization and Administration of Intramural Sports. Three hours.

Educational principles and purposes of the sports program; methods of organization, tournament construction, scoring plans, rules and regulations, awards; coordinating the sports program with the physical education program. Mr. Knollin.

DAILY, 10:00. Room 315.

POLITICAL SCIENCE

DR. BUCK

PS 201. American National Government. Three hours.

The study of the origin, development, and function of the national government of the United States. Colonial origins, the Constitutional Convention. Judicial review, and a brief consideration of leading decisions by the

Supreme Court. The separation of powers; the development of administrative organization. The increased functions of the national government and the problem of reorganization.

DAILY, 10:00. Room 214.

PS 202. American State and Local Governments. Three hours.

A study of state, local, and municipal government in the United States as a part of the general problems of government. Attention is paid to proposals for reform. Particular emphasis on Oregon problems.

DAILY, 9:00. Room 214.

PS 446s. European Dictatorships. (G) Three hours.

The course surveys the role of one-man rule in history; proceeds to a consideration of contemporary dictatorships in Italy, Germany, Russia, and elsewhere; and seeks to give the student a basis for an appraisal of dictatorship as a form of political and social control.

DAILY, 11:00. Room 214.

PSYCHIATRY

DR. HUTCHENS

Ps 306s. Child Psychiatry. Three hours.

General discussion of various behavior and personality problems of childhood according to a psychological concept. The case material in the child guidance clinic will be used as a background for the course where practical.

DAILY, 1:00. Room 110.

PSYCHOLOGY

DR. WHEELER, DR. BERNARD

Psy 335s. Social Psychology. Three hours.

The development of the personality in social situations, the principles and processes of character formation, the fundamentals of social control in group relations, the principles of social psychology. Dr. Bernard.

DAILY, 9:00. Room 106.

Psy 407s. Seminar: Psychology of Motivation. (G) Two or three hours.

A review of changing conceptions in regard to motivation and inherited behavior; analysis of the results of experimentation upon the following topics: instinct, drive, appetite, emotion, habit, interest, attitude, conscious and unconscious motive. Dr. Wheeler.

Days to be arranged, 10:00. Room 305.

Psy 423s. Contemporary Psychology. (G) Three hours.

Survey of contemporary psychological systems, with special emphasis upon Gestalt psychology, purposive behaviorism, topological psychology, and psychoanalysis. The historical and philosophical backgrounds of the several systems. Comparison of their points of view. Dr. Wheeler.

DAILY, 8:00. Room 305.

Psy 465s. **Psychology of Learning.** Two or three hours.

Study of selected neurological and psychological problems of learning. Examination of the laws of learning, and of the conditions which influence learning favorably or unfavorably. Dr. Wheeler.
DAILY, 11:00. Room 305.

PUBLIC SPEAKING

ASSISTANT PROFESSOR COLLIER, MR. KLEINFELD

Eng 145s. **Choral Reading.** Three hours.

Group reading of poetry and rhythmic prose for choral effects. Aims: to quicken the individual's appreciation and enjoyment of poetry, to increase his powers in oral interpretation, and to improve the speaking voice. Mr. Kleinfeld.

DAILY, 11:00. Room 216.

Eng 365s. **Public Speaking for the Professions.** Three hours.

Intended to improve poise and effectiveness in speaking to a group, and to give training in analyzing subjects and in organizing material into interesting talks. Practice in oral presentation and in delivering the types of speech most commonly given by teachers. Consideration of voice qualities, and of modern methods of group discussion. Original speeches by members of the class. Mr. Collier.

DAILY, 9:00. Room 205.

SOCIOLOGY

ASSISTANT PROFESSOR MARTIN, DR. BERNARD, DR. JOHNSON

Soc 204s. **General Sociology.** Three hours.

Analysis of social organization and culture; social changes and movements as affected by culture and by biological and physical environmental factors. Dr. Martin.

DAILY, 8:00. Room 304.

Anth 313s. **Introduction to Cultural Anthropology.** Three hours. (See also ANTHROPOLOGY.)

The social life and institutions of primitive peoples, preceded by a brief account of European and American archaeology. The technologies, social organization, daily life and modes of thinking of preliterate. Some account of the races. Dr. Bernard.

DAILY, 11:00. Room 106.

Soc 347s. **Social Hygiene.** Three hours.

A course in biology and social adjustment for teachers, social workers, group leaders, students, parents, and individuals. Methods of presenting social hygiene education—scope, aim, tasks, control, instruction, responsibilities, ethics, use of literature and science, and relation of sex education to other phases of health and welfare work. Consideration of available social hygiene publications, and of the use of pamphlets and books for various age groups and purposes. Lectures, assigned readings, discussions, and special reports.

There will be available to students all of the Oregon Social Hygiene Society library, one of the largest libraries in its field on the coast. Dr. Johnson.
DAILY, 11:00. Room B.

Soc 405. **Reading and Conference.** (G) Hours to be arranged. Dr. Martin.
Days to be arranged, 11:00. Room 304.

Soc 405. **Reading and Conference in Eugenics.** (G) Hours to be arranged. Considerations of human heredity and evolution as they affect society, with suggestive programs for control. Dr. Johnson.
Days to be arranged, 8:00. Room B.

Soc 442. **Theories of Social Disorganization.** (G) Three hours. Concept of disorganization as manifested in historical and contemporary sociological literature. Genesis, status, and problems of disorganized personalities in an organized society. Nature of the personal and social crises, conflicts, adjustments, and readjustments. Dr. Martin.
DAILY, 10:00. Room 204.

Soc 457s. **Educational Sociology.** (G) Three hours. (See also EDUCATION.) Education as a basic social process in civilized society; social factors and laws upon which educational theory and practice must rest; criteria for the evaluation of progress; social principles underlying the learning process; their application by the school in generating social interest and guiding pupils to become effective, participating members of society. The curriculum and social adjustment; teaching personnel and society; the school as a social institution; other educational agencies and institutions; education and social adjustment. Dr. Bernard.
DAILY, 10:00. Room 106.

SPANISH

PROFESSOR WRIGHT

Ed 325. **Methods in Modern Foreign Languages.** Three hours. (See also EDUCATION.) Investigation of sources, and use of modern equipment and texts; project method and socialized procedure; analysis of individual problems with conferences.
DAILY, 11:00. Room 310.

RL 347. **Spanish Composition and Conversation.** Three hours. This course presupposes knowledge of Spanish grammar. The difficulty of the conversation will increase as the course progresses. The composition is intended to release the student from the somewhat formal sentences found in grammars and to introduce idiomatic and lively Spanish.
DAILY, 10:00. Room 310.

RL 405. **Readings in Romance Languages.** (G) Hours to be arranged. Readings in various periods, adapted to the needs of the class.
Days to be arranged, 9:00. Room 310.

Schedule of Courses and Rooms

PORTLAND SUMMER SESSION
JUNE 20-JULY 29

Eight o'Clock

Course	Instructor	Room
ART		
AA 372s. Commercial Art (3)	Schulderman	301
BACTERIOLOGY		
Bac 345s. Bacteriology and Public Health (3)	Sears	314
BOTANY		
Bot 201, 202, 203. General Botany (9) cont'd 11:00	Harris	317
CHEMISTRY		
Ch 101, 102, 103. Elementary General Chemistry (9) cont'd 11:00	Christensen	306
ECONOMICS		
Ec 211. Outlines of Economics (3)	Morris	203
EDUCATION		
Ed 237a. Education Through Creative Activities for the Primary Grades (3)	Norton	114
Ed 308s. Auditorium Technique in the Elementary Schools (3)	Bridges	113
Ed 311. Secondary Education (3)	Altstetter	110
Ed 355s. Remedial Work for Speech Disorders (3)	Kleinfeld	216
Ed 444s. Remedial Reading (Section I) (3)	Hilder	215
Ed 463s. Methods for Exceptional Children (3)	Martin	204
Ed 490. Character Education (3) (G)	Spaulding	112
ENGLISH		
Eng 324. English Composition for Teachers (3)	Collier	205
Eng 407s. Modern Comedy (3) (G)	Smith	206
FRENCH		
RL 1s. First Year French (3)	Wright	310
GERMAN		
Ger 405. Reading and Conference (3) (G)	Spaulding	211
HISTORY		
Hst 373. History of the United States Since 1898 (3)	Griffin	213
Hst 431. The Renaissance (3) (G)	Hulme	111
HOME ECONOMICS		
CT 231. House Furnishing (3)	Morehouse	311
MATHEMATICS		
Mth 405. Advanced Studies: Theory of Numbers (Hours to be arranged) (G)	Price	308
MUSIC		
Mus 419s. Musical Forms (3)	Campbell	103
PHYSICAL EDUCATION		
PE 325s. Physical Education Laboratory for Women (3)	Wood	Gym
PE 362s. Corrective Physical Education: Corrective Clinic (3) Observation from 9-11	Thomson	D
PSYCHOLOGY		
Psy 423. Contemporary Psychology (3) (G)	Wheeler	305
SOCIOLOGY		
Soc 204s. General Sociology (3)	Martin	304
Soc 405. Reading and Conference in Eugenics (Hours to be arranged) (G)	Johnson	B

Nine o'Clock

Course	Instructor	Room
ART		
AA 266s. Creative Design for Public Schools (3)	Schulderman	301
AA 292. Composition and Drawing (3)	Hinshaw	318
BOTANY		
Bot 201, 202, 203. General Botany Laboratory (9) 9 to 11, Tues. and Thurs. 12-1	Harris	316
Bot 320s. Methods in Nature Study (3)	Thaxter	314
CHEMISTRY		
Ch 101, 102, 103. Elementary General Chemistry Laboratory (9) 9 to 11, Tues. and Thurs. 12-1	Christensen	307
DRAMA		
Enr 248s. Children's Theatre (3)	Haydon	108

Course	Instructor	Room
ECONOMICS		
Ec 475s. Current Economic Problems (3) (G)	Morris	203
EDUCATION		
Ed 309s. Group Interest Activities in the Elementary Schools (3)	Bridges	113
Ed 312. Educational Psychology (3)	Martin	204
Ed 318s. Observation of Creative Activities (3)	Norton	114
Ed 324s. Correlation of the Social Studies in the Elementary Schools (3)	Whitney	107
Ed 407s. Seminar: Cooperative Study of Secondary School Standards (3) (G)	Altstetter	110
Ed 423s. Philosophy of Education (3) (G)	Knodel	115
Ed 444s. Remedial Reading (Section II) (3) (G)	Hilder	215
ENGLISH		
Eng 405. Reading and Conference (Hours to be arranged) (G)	Parsons	207
Eng 433. The Romantic Revolt (3)	Coleman	208
Eng 457. Literature of the Renaissance (3) (G)	Smith	206
FRENCH		
RL 405. Readings in Romance Languages (Hours to be arranged) (G)	Wright	310
GEOGRAPHY		
Geo 407s. Seminar: Geography of World Problems (3) (G)	Gould	105
GERMAN		
Ger 1. Elementary German (3)	Spaulding	211
HISTORY		
Hst 203. English History (Second Term) (3)	Lovell	212
Hst 377. Oregon History (3)	Gatke	215
Hst 405. Reading and Conference in Asiatic Relations (3) (G)	Griffin	213
MATHEMATICS		
Mth 311s. History of Mathematics (3)	Price	308
Mth 411. Theory of Equations and Determinants (3) (G)	Price	308
MUSIC		
Mus 422s. History and Appreciation of Music (3)	Campbell	103
PHILOSOPHY		
Phl 203. Introduction to Philosophy (3)	Spaulding	104
PHYSICAL EDUCATION		
PE 351. Play and Playground Programs (3)	Wood	Gym
PE 407. Seminar in Physical Education (3) (G)	Knollin	315
POLITICAL SCIENCE		
PS 202. American State and Local Government (3)	Buck	214
PSYCHOLOGY		
Psy 355s. Social Psychology (3)	Bernard	106
PUBLIC SPEAKING		
Eng 365s. Public Speaking for the Professions (3)	Collier	205
SPANISH		
RL 405. Reading in Romance Languages (3) (G)	Wright	310

Ten o'Clock

Course	Instructor	Room
ART		
AA 367s. Child Art (3)	Hinshaw	301
AA 376s. Use of Pictures (3)	Wuest	309
BOTANY		
Bot 201, 202, 203. General Botany Laboratory (9) 9 to 11, Tues. and Thurs. 12-1	Harris	316
Bot 421s. Advanced Systematic Botany (3)	Harris	314
CHEMISTRY		
Ch 101, 102, 103. Elementary General Chemistry Laboratory (9) 9 to 11, Tues. and Thurs. 12-1	Christensen	307
ECONOMICS		
Ec 441. International Economic Policies (3) (G)	Morris	203
EDUCATION		
Ed 316. Oregon School Law and Oregon System of Education (2)	Beattie	116
Ed 318s. Observation of Creative Activities	Norton	Shattuck School
Ed 350. Curriculum and Organization of Elementary Schools (3)	Whitney	107
Ed 367s. Child Art (3)	Hinshaw	301
Ed 457s. Educational Sociology (3) (G)	Bernard	106
Ed 475s. Trends in Modern Education (3) (G)	Knodel	115
ENGLISH		
Eng 161. Survey of American Literature (3)	Parsons	207
Eng 363s. Twentieth-Century Literature (3)	Smith	206
Eng 451. Milton (3) (G)	Coleman	208

Course	Instructor	Room
GEOLOGY		
G 201. Physical Geology (3)	Gould	105
GERMAN		
Ger 334s. German Conversation and Rapid Reading (3)	Spaulding	211
HISTORY		
Hst 405. Reading and Conference in Modern European History (3) (G)	Lovell	212
Hst 415s. European Thought and Culture (3)	Hulme	111
HOME ECONOMICS		
HAd 422s. Family Relationships (3) (G)	Johnson	B
JOURNALISM		
J 360. General Journalism (3)	Turnbull	114
MATHEMATICS		
Mth 331. Applied Mathematics (3)	Price	308
MUSIC		
Mus 120s. Group Technique in Oral Interpretation (3)		103
PHILOSOPHY		
Phi 407s. Seminar: Philosophy of Mind (3) (G)	Spaulding	104
PHYSICAL EDUCATION		
PE 324s. Rhythmic Activities (3)	Wood	Gym
PE 475s. Organization and Administration of Intramural Sports (3)	Knollin	315
POLITICAL SCIENCE		
PS 201. American National Government (3)	Buck	214
PSYCHOLOGY		
Psy 407s. Seminar: Psychology of Motivation (3) (G)	Wheeler	305
SOCIOLOGY		
Soc 442. Theories of Social Disorganization (3) (G)	Martin	304
Soc 457s. Educational Sociology (3) (G)	Bernard	106
SPANISH		
RL 347. Spanish Composition and Conversation (3)	Wright	310
Eleven o'Clock		
ANTHROPOLOGY		
Anth 313s. Introduction to Cultural Anthropology (3)	Bernard	106
ART		
Ed 337s. Technique in Art Activities (3)	Wuest	309
AA 373s. Creative Art Laboratory (3)	Hinshaw	301
BOTANY		
Bot 201, 202, 203. General Botany Laboratory (9)	Harris	317
CHEMISTRY		
Ch 101, 102, 103. Elementary General Chemistry (9)	Christensen	306
DRAMA		
Eng 346. Play Production (3)	Haydon	108
EDUCATION		
Ed 318. Principles of Teaching (3)	Beattie	116
Ed 317s. Observation in Demonstration School (3)	Whitney & Bridges	107
Ed 325. Methods in Modern Foreign Languages	Wright	310
Ed 337s. Technique in Art Activities (3)	Wuest	309
Ed 480s. Guidance and Personnel Work (3) (G)	Knode	115
Ed 498. Curriculum Laboratory (3) (G)	Altstetter	110
ENGLISH		
Eng 112. English Composition (3)	Collier	205
Eng 201. Shakespeare (First Term) (3)	Parsons	207
Eng 407s. Seminar: Social Problems in English Literature (3) (G)	Coleman	208
FRENCH		
Ed 325. Methods in Modern Foreign Languages	Wright	310
GEOGRAPHY		
Geo 416s. Advanced Regional Geography: Geography of the Polar Regions (3)	Gould	105
GERMAN		
Ger 313s. Modern German Drama (3)	Spaulding	211
HISTORY		
Hst 348. Modern Europe Since 1870 (3)	Lovell	212
Hst 400s. Historical Method (2 or 3) (G)	Hulme	111
Hst 492s. Oriental History (3) (G)	Griffin	213
HOME ECONOMICS		
CT 311. Costume Design	Morehouse	311
JOURNALISM		
J 339. Teaching and Supervision of Journalism in High Schools (3)	Turnbull	114
LIBRARY		
Eng 388s. Children's Literature (3)	Mulheron	113

Course	Instructor	Room
MATHEMATICS		
Mth 101s. College Algebra (3)	Price	308
Mth 333. Elements of Modern Geometry (3)	Price	308
MUSIC		
Mus 319. Public School Music (3)		103
PHYSICAL EDUCATION		
PE 321. Methods of Health Education (3)	Thomson	D
PE 358. First Aid (3)	Knollin	315
POLITICAL SCIENCE		
PS 446s. European Dictatorships (3) (G)	Buck	214
PSYCHOLOGY		
Psy 465s. Psychology of Learning (3)	Wheeler	305
PUBLIC SPEAKING		
Eng 145. Choral Reading (3)	Kleinfeld	216
SOCIOLOGY		
Soc 347s. Social Hygiene (3)	Johnson	B
Soc 405. Reading and Conference (G)	Martin	304
SPANISH		
Ed 325. Methods in Modern Foreign Languages (3)	Wright	310

Twelve o'Clock

ART		
AA 290. Painting (3)	Hinshaw	318
AA 490. Advanced Painting (3)	Hinshaw	318
BOTANY		
Bot 201, 202, 203. General Botany Laboratory (9) 9 to 11, Tues. and Thurs. 12-1	Harris	316
CHEMISTRY		
Ch 101, 102, 103. Elementary General Chemistry Laboratory (9) 9 to 11, Tues. and Thurs. 12-1	Christensen	307

One o'Clock

ART		
AA 296s. Art Metal Work: Applied Design (3)	Deutschman	508 Kraemer Bldg. 206 SW Washington
PHYSICAL EDUCATION		
PE 352s. Fencing (3)	Haydon	Gym
PSYCHIATRY		
Ps 306s. Child Psychiatry (3)	Hutchens	110

Two o'Clock

BOTANY		
Bot 405. Reading and Conference (Hours to be arranged) (G)	Harris	317
EDUCATION		
Ed 405. Reading and Conference (Hours to be arranged) (G)	Beattie	116
HOME ECONOMICS		
HAd 405. Reading and Conference (Hours to be arranged) (G)	Morehouse	104
PHYSICAL EDUCATION		
PE 405. Reading and Conference (Hours to be arranged) (G)	Thomson	105

Oregon State College Summer Session Courses

Following is a list of courses offered in the regular six-week summer session of Oregon State College at Corvallis from June 20 to July 29 and in the second session of five weeks from August 1 to September 2, including Saturday classes. Nine term hours of credit may be earned in either of these sessions or 18 hours in both. For full descriptive catalog of courses address the Director of Summer Sessions, 814 Oregon Building, Portland.

ART AND ARCHITECTURE

J. Leo Fairbanks, professor of art and architecture and head of department

- AA 115s. *Survey of Creative Arts (Art Appreciation)*. One or two hours.
- AA 178s. *House Planning and Architectural Drawing*. Two hours.
- AA 291s. *Lower-Division Drawing: Sketching*. One or two hours.
- AA 295s. *Lower-Division Decorative Design: Design*. One or two hours.
- AA 295s. *Lower-Division Decorative Design: Art Craft (Leather Craft, Metal Craft)*. One or two hours.

BACTERIOLOGY

Godfrey Vernon Copson, M.S., professor of bacteriology and head of the department.

- Bac 405. *Advanced Studies*.
- Bac 501. *Graduate Research*.

SECOND SESSION

- Bac 405. *Advanced Studies*.
- Bac 501. *Graduate Research*.

BOTANY

Charles Elmer Owens, Ph.D., professor of botany and plant pathology and head of the department; Winfred McKenzie Atwood, Ph.D., professor of plant physiology; Garland Marie Powell, B.S., assistant in botany.

- Bot 201. *General Botany. (Structural Botany.)* Atwood.
- Bot 203. *General Botany (Plant Identification)*. Powell.
- Bot 303s. *Systematic Botany*. Powell.
- Bot 405. *Advanced Studies*.
- Bot 501. *Graduate Research*.

SECOND SESSION

- Bot 501. *Graduate Research*. Owens.
- Bot 505. *Graduate Studies*. Owens.

BUSINESS ADMINISTRATION AND SECRETARIAL SCIENCE

Jerome Lloyd LeMaster, M.A., associate professor of business administration; Daniel Barton DeLoach, Ph.D., assistant professor of business administration; Bertha Whillock Stutz, M.S., associate professor of secretarial science; Minnie DeMotte Frick, B.S., associate professor of secretarial science; Beulah Slade Fisher, B.S., instructor in secretarial science.

BUSINESS ADMINISTRATION

- BA 111. *Constructive Accounting*. Four hours. DeLoach.
- BA 112. *Constructive Accounting*. Four hours. DeLoach.

- BA 222. *Elements of Finance*. Four hours. LeMaster.
 BA 256. *Business Law*. Four hours. LeMaster.
 BA 314s. *Teachers' Course in Bookkeeping*. DeLoach.

SECRETARIAL SCIENCE

- SS 111. *Stenography*. Frick.
 SS 121. *Typing*. Two hours. Fisher.
 SS 211. *Applied Stenography*. Frick.
 SS 311. *Office Machines and Appliances*. Two hours. Stutz.
 CEEd 541. *Current Practices in Teaching Typewriting*. Stutz.
 CEEd 542. *Current Practices in Teaching Stenography*. Frick.
 CEEd 543. *Current Problems in Commercial Education*. Stutz.
 Eng 217. *Business English*.

CHEMISTRY

John Fulton, M.S., professor of chemistry and head of the department; Earl C. Gilbert, Ph.D., professor of physical chemistry; Charles S. Pease, Ph.D., assistant professor of organic chemistry; James W. Ferguson, Ph.D., instructor in chemistry; Glen Chase Ware, M.S., instructor in chemistry.

- Ch 101, 102, 103. *Elementary General Chemistry*. Ware.
 Ch 226, 227. *Organic Chemistry*. Five or ten hours. Pease, Ferguson.
 Ch 231, 232. *Quantitative Analysis*. Four or eight hours. Gilbert.
 Ch 405. *Advanced Studies*.
 Ch 501. *Graduate Research*.
 Ch 503. *Graduate Thesis*.

SECOND SESSION

- Ch 405. *Advanced Studies*. Fulton.
 Ch 420. *Advanced Analytical Chemistry*. (g) Fulton.
 Ch 501. *Graduate Research*. Fulton.
 Ch 505. *Graduate Studies*. Fulton.

ECONOMICS

Milton N. Nelson, Ph.D., professor of economics and head of the department.

- Ec 211. *Outlines of Economics*. Four hours.
 Ec 413. *Money and Banking*. (g) Four hours.

EDUCATION

C. W. Salser, Ed.M., assistant dean and professor of education; O. R. Chambers, Ph.D., professor of psychology; R. J. Clinton, Ed.D., professor of education; H. R. Laslett, Ph.D., professor of educational psychology; Henrietta Morris, Sc.D., associate professor of hygiene; F. W. Parr, Ph.D., professor of secondary education; E. W. Warrington, M.A., professor of religious education. *Visiting instructors*: O. D. Adams, M.S., associate professor of trade and industrial education and state director for vocational education; George S. Eby, M.S., associate professor of science and visual education, College of the Pacific, California; Ruth Forest, M.S., assistant state supervisor of home economics; Helen Hunter, M.S., assistant professor of home economics education, Iowa State College; Herbert Welsh, B.S., assistant professor of engineering and technology, College of the Pacific, California.

- Ed 311. *Secondary Education*. Parr.
 Ed 312. *Educational Psychology*. Chambers.

- Ed 313. *Principles of Teaching*.
 Ed 316. *Oregon School Law and the Oregon System of Education*. Two hours. Clinton.
 Ed 333. *Methods and Materials in Industrial Arts*.
 Ed 351. *Health Education*. Morris.
 Ed 352. *Health Education*. Morris.
 Ed 404s. *Directing Student Learning*. (G) Parr.
 Ed 416. *Measurement in Secondary Education*. (G) Laslett.
 Ed 417. *Statistical Methods in Education*. (G) Laslett.
 Ed 420. *Adolescence: Growth and Development of the Individual*. (G) Laslett.
 Ed 425. *School and Community Work*. (G) Seen.
 Ed 431s. *Construction and Use of Visual Aids*. (G) Eby and Welch.
 Ed 432s. *Teaching of Non-College Sciences*. (G) Eby.
 Ed 440s. *Methods of Teaching Vocational Classes*. (G) Two hours. Adams.
 IEd 444s. *Safety Education for Vocational Teachers*. (G) First three weeks.
 See under Industrial Education.
 Ed 480s. *History and Philosophy of Vocational Education*. (G) Adams.
 Ed 481s. *Administration of Vocational Education*. (G)
 Ed 485. *Principles of Guidance and Personnel Work*. Salser.
 Ed 486s. *Principles and Practices of Counseling*. (G) Salser.
 Ed 490. *Character Education*. (G) Warrington.
 Ed 497. *Adult Education*. (G) Warrington.
 Ed 498. *Organization and Supervision for High-School Teachers*. (G) Clinton.
 Ed 501. *Educational Research*. Staff.
 Ed 503. *Thesis*. Clinton.
 Ed 505. *Reading and Conference*. Staff.
 Ed 505. *Reading and Conference in Mental Hygiene and Motivation*. Chambers.
 Ed 507. *Seminar in Curriculum Revision*. Parr.
 Ed 507. *Seminar in Guidance*. Salser.
 Ed 507. *Seminar in Mental Hygiene*. Chambers.
 Ed 511s. *Introduction to Thesis Writing*. Clinton.
 Ed 532. *Organization and Supervision of Visual Instruction*. Eby.

SECOND SESSION

- Ed 316. *Oregon School Law and Oregon System of Education*. Two hours. Clinton.
 Hst 377. *Oregon History*. Ellison.
 Ed 498s. *Organization and Supervision for High-School Teachers*. (G) Clinton.
 Ed 405. *Special Studies*. Staff.
 Ed 503. *Thesis*. Parr.
 Ed 505. *Readings and Conference*. Parr.
 Ed 507. *Seminar: Newer Trends in American Education*. Parr.
 Ed 507. *Seminar in Mental Hygiene*. Two or three hours. Chambers.
 Ed 521. *History of American Education*. Laslett.
 Ed 527. *Tests and Their Social Uses*. Two or three hours. Laslett.
 Ed 535. *Psychological Aspects of Vocations*. Chambers.
 Ed 555. *College and University Teaching*. Parr.
 Ed 561. *Advanced Educational Psychology*. Two or three hours. Laslett.

ENGLISH

Sigurd H. Peterson, Ph.D., professor of English and head of the department; Ralph Colby, Ph.D., associate professor of English; Daniel T. Ordeman, Ph.D., associate professor of English; Herbert B. Nelson, M.A., assistant professor of English.

WRITTEN ENGLISH

Eng 199s. *English Composition*. Ordeman.
Eng 217. *Business English*. Nelson.

LITERATURE

Eng 104. *Introduction to Literature*. Peterson.
Eng 203. *Shakespeare*. Peterson.
Eng 272. *Contemporary Literature (Modern Drama)*. Colby.

ENTOMOLOGY

Don Carlos Mote, Ph.D., professor of entomology and head of the department.

Ent 405. *Advanced Studies*.
Ent 501. *Graduate Research*.
Ent 503. *Graduate Thesis*.

SECOND SESSION

Ent 405. *Advanced Studies*.
Ent 501. *Graduate Research*.

GEOLOGY

Earl L. Packard, Ph.D., professor of geology, head of the department and dean of the school of science; William Donald Wilkinson, Ph.D., assistant professor of geology.

G 380. *Advanced Field Geology*. Six to nine hours. Work conducted from camps in Eastern Oregon. Advance registration. Wilkinson.

G 405. *Advanced Studies*. Staff.
G 501. *Graduate Research*. Staff.
G 503. *Graduate Thesis*. Staff.

SECOND SESSION

G 380. *Advanced Field Geology*.
G 405. *Advanced Studies*.
G 501. *Graduate Research*.
G 503. *Graduate Thesis*.

HISTORY

Joseph Waldo Ellison, Ph.D., professor of history.

Hst 203. *History of Western Civilization III, 1815-1934*.
Hst 377. *History of Oregon*.

HOME ECONOMICS

Ava B. Milam, M.A., dean of the school of home economics.

CLOTHING, TEXTILES AND RELATED ARTS

Alma Catherine Fritchhoff, M.A., professor of clothing, textiles, and related arts and head of department; Edith Rhyne, M.A., associate professor of clothing, textiles and related arts; Gertrude Strickland, B.S., instructor in clothing, textiles, and related arts. *Visiting instructor*: Bess Steale, M.A., head of design division, University of Nebraska.

CT 212. *Clothing (Construction)*. Strickland.
CT 250. *Textiles*. Rhyne.
CT 311. *Costume Design*. Fritchhoff.
CT 335. *Applied Design*. Steele.
CT 411. *Dress Design*. (G) Fritchhoff.
CT 416s. *Tailoring*. Strickland.
CT 431. *House Furnishing*. (G) Steele.
CT 450s. *Consumer Problems in Clothing and Textiles*. Rhyne.
CT 503. *Graduate Thesis*.
CT 505. *Graduate Studies*.

HOUSEHOLD ADMINISTRATION

Vera Haskell Brandon, Ph.D., professor of household administration; Eleanor May Spike, M.S., assistant professor of household administration; Ruth Hammond, M.A., assistant professor of household administration; Jacqueline Brier, B.S., assistant, Home Management House. *Visiting instructors*: Rachel Stutsman Ball, Ph.D., professor of child psychology, Merrill-Palmer School, Detroit; G. Winifred Harley, former head of preschool education, Merrill-Palmer School, Detroit.

HAd 340. *Household Management*. Four hours. Hammond.
HAd 350. *Home Management House*. Five hours. Spike and Brier.
HAd 411. *Child Development*. (G) Brandon.
HAd 414s. *Mental Development of the Pre-school Child*. (G) Ball.
HAd 422. *Family Relationships*. (G) Maris.
HAd 423s. *Parent Education*. (G) Ball.
HAd 425. *Nursery School*. (G) Harley, Spike, Brier, Fifer, Sullivan.
HAd 441. *Economic Problems of the Family*. (G) Hammond.
HAd 503. *Graduate Thesis*. Brandon.
HAd 505. *Graduate Studies*. Staff.
HAd 507. *Seminar. (Teaching Child Development in High School by Means of the Nursery School)*. Harley.
HAd 507. *Seminar: (Family Relationships)*.

FOODS AND NUTRITION

Jessamine Chapman Williams, M.A., professor of foods and nutrition and head of department; Agnes Kolshorn, M.A., assistant professor of foods and nutrition; Lillian Catherine Taylor, M.A., instructor in foods and nutrition. *Visiting instructor*: Eleanor Maclay, M.Sc., professor of nutrition, University of Cincinnati, Ohio.

FN 211. *Foods*. Taylor.
FN 225. *Dietetics*. Maclay.
FN 250. *Camp Cookery*. Taylor.
FN 411s. *Food Purchasing Problems for Teachers*. (G) Kolshorn.
FN 435. *Experimental Cookery*. (G) Kolshorn.
FN 421. *Nutrition of the Infant and Child*. (G) Williams.
FN 424s. *Nutrition*. (G) Maclay.
FN 481. *Readings in Nutrition*. (G) Williams.
FN 503. *Thesis*. Fincke.

INSTITUTION ECONOMICS

LeVelle Wood, M.S., professor of institutional management, Kansas State College.

IEC 320. *Cafeteria Management*.
IEC 430s. *Institutional Organization and Administration*. (G)

HOME ECONOMICS EXTENSION

Thelma Gaylord Mitchell, B.S., formerly acting state leader of home demonstration.

HEX 410s. *Methods in Home Economics Extension*. (G) Three hours. Two hours daily. First three weeks.

HOME ECONOMICS EDUCATION

Visiting instructor: Helen Hunter, M.S., assistant professor of home economics education, Iowa State College; Ruth Forest, M.S., assistant state supervisor of home economics.

HEd 412. *Organisation and Administration of Homemaking Education*. (G) Forest.

HEd 415s. *Adult Education in Home Economics*. (G) Hunter.

HEd 501. *Graduate Research*. Forest.

HEd 503. *Graduate Thesis*. Forest.

HEd 507. *Seminar (New Methods of Teaching Homemaking)*. Hunter.

INDUSTRIAL ARTS—INDUSTRIAL EDUCATION

George Bryan Cox, B.S., professor of industrial arts education and head of the department; Edwin David Meyer, B.S., assistant professor of industrial arts; William Horning, instructor in industrial arts; Ralph N. Lunde, B.S., assistant professor of agricultural engineering; Donald Mason, B.S., instructor in industrial arts. *Visiting instructors*: O. D. Adams, M.S., state director for vocational education in Oregon; Martin F. Johnson, instructor in industrial arts, Senior High School, Eugene; Marion Weatherford, B.S., instructor in industrial arts, Marshfield High School, Wisconsin; Herbert Welch, B.S., assistant professor of engineering and technology, College of the Pacific, California; H. W. Adams, M.S., superintendent of schools, Corvallis; Herman Miller, B.S., assistant state vocational teacher trainer; Walter W. Morse, State Supervisor of Apprentice Training.

INDUSTRIAL ARTS

GE 112s. *Elementary Mechanical Drawing*. Two hours. Welch.

GE 113s. *Mechanical Drawing*. Two hours. Welch.

IA 112s. *Methods in Woodworking*. Johnson.

IA 220. *Wood Turning*. Two hours. Mason.

IA 240. *Foundry Practice*. Two hours. Mason.

IA 250. *Forging and Welding*. Two hours. Horning.

IA 260. *Machine Shop Practice*. Two hours. Lunde.

IA 263s. *Machine Drawing*. Two hours. Welch.

AA 295. *Leather Craft*. One or two hours. Fairbanks.

IA 311. *Millwork-Machine Woodwork*. Meyer.

IA 312s. *Furniture Design*. Two hours. Weatherford.

IA 313s. *Furniture Construction*. Weatherford.

AE 313. *Automobile Mechanics*. Lunde.

IA 325s. *Recreational Handcraft*. Two hours. Johnson.

IA 326. *Fiber Furniture Weaving*. Two hours. Mason.

IA 327s. *Woodcraft and Carving*. Two hours. Johnson.

IA 328s. *Wood Carving*. Two hours. Johnson.

IA 343. *Brass and Alloy Foundry*. One or two hours. Mason.

IA 350. *Welding Practice (Advanced Course)*. One or two hours. Horning.

IA 353. *Ornamental Iron Work*. Two hours. Horning.

IA 357s. *Metal Craft and Spinning*. Two hours. Weatherford.

IA 358s. *Metal Craft (Advanced)*. Two hours. Weatherford.

IA 362. *Machine Shop*. Two hours. Lunde.

INDUSTRIAL EDUCATION

IEd 333. *Methods and Materials in Industrial Arts*.

IEd 440s. *Methods of Teaching Vocational Classes*. (G) Two hours. Adams.

IEd 444s. *Safety Education for Vocational Teachers*. (G) First three weeks. H. W. Adams and Miller.

IEd 470. *History of Manual and Industrial Education*. (G) Meyer.

IEd 472. *Trade Analysis*. (G) Meyer.

IEd 474. *Written, Pictorial, and Graphic Teaching Aids*. (G) Welch.

IEd 480s. *History and Philosophy of Vocational Education*. (G) Adams.

IEd 481s. *Administration of Vocational Education*. (G).

IEd 482. *Supervision of Industrial Education*. (G) Two hours.

IEd 484s. *Industrial Education and Changing Conditions*. (G).

IEd 486s. *Policies, Procedures, and Methods in Supervision of Apprentices*. (G) Two hours. Morse.

IEd 487s. *Employer-Employee Relations*. (G) Morse, Osborne, Kreitzer.

IEd 503. *Graduate Thesis*.

IEd 505. *Graduate Studies*.

IEd 507s. *Seminar: Teaching Non-Technical Drawing*. Welch.

JOURNALISM

Charles J. McIntosh, B.S., B.S.D., professor of industrial editing.

J 111. *Elementary Journalism*.

MATHEMATICS

William E. Milne, Ph.D., professor of mathematics and head of the department; George A. Williams, A.M., assistant professor of mathematics.

Mth 100. *Intermediate Algebra*. Four hours. Williams.

Mth 101, 102, 103. *Unified Mathematics*. Four hours each. Williams.

Mth 405. *Advanced Studies*.

Mth 501. *Graduate Research*.

Mth 503. *Graduate Thesis*.

SECOND SESSION

Mth 501. *Graduate Research*. Milne.

Mth 503. *Graduate Thesis*. Milne.

Mth 505. *Graduate Studies*.

MUSIC

Delbert Moore, B.A., professor of violin and conductor of orchestra; Florence Bowden, B.A., instructor in cello, violin and small strings; Iris Gray, B.Mus., instructor in piano.

THEORY

Mus 111s. *Harmony I*. One and one-half hours. Gray.

Mus 127s. *Music Fundamentals*. One and one-half hours. Gray.

Mus 221s. *History of Music*. One hour. Gray.

APPLIED MUSIC

Mus 190s. *Piano*. Gray.

Mus 190s. *Violin*. Moore.

Mus 190s. *Cello*. Bowden.

Mus 190s. *Fretted Instruments*. Bowden.

PHYSICAL EDUCATION

PHYSICAL EDUCATION FOR WOMEN

Eva M. Seen, M.A., professor of physical education for women and head of the department; Betty Lynd Thompson, M.A., assistant professor of physical education for women; Thyrsa Iverson, M.S., instructor in physical education for women.

- PE 114s. *Elements of Dancing*. One hour.
 PE 151s. *Elementary Swimming*. One hour.
 PE 152s. *Intermediate Swimming*. One hour.
 PE 177s. *Tennis*. One hour.
 PE 179s. *Golf*. One hour.
 PE 180s. *Folk and Tap Dancing*. One hour.
 PE 341s. *Technique of Sports*. Two hours.
 PE 342s. *Plays and Games*. One hour. Seen.
 PE 423. *Organization and Administration*. Seen.
 Ed 425. *School and Community Club Work*. (G) Seen.
Swimming. No credit. Pool open to any woman student who can swim.
Social Dancing. No credit. Open to men and women.
Social Swimming. No credit. Open to men and women.

PHYSICAL EDUCATION FOR MEN

Ralph Orval Coleman, M.A., professor of physical education and director of intramural sports.

- PE 151s. *Swimming Theory and Practice*. One hour.
 PE 253s. *Golf*. One hour.
 PE 270s. *Organization and Administration of Intramural Sports*.
 PE 421. *Principles of Physical Education*.

PHYSICS

Willibald Weniger, Ph.D., professor of physics and head of the department; John Clifton Garman, Ph.M., assistant professor of physics; James Brady, Ph.D., assistant professor of physics.

- Ph 201, 202. *General Physics*. Four hours each. Brady.
 Ph 311, 312. *Introduction to Modern Physics*. Brady.
 Ph 361. *Photography*. Garman.
 Ph 405. *Advanced Studies*. Staff.
 Ph 501. *Graduate Research*. Staff.
 Ph 503. *Graduate Thesis*. Staff.

SECOND SESSION

- Ph 203. *General Physics*. Four hours. Brady.
 *Ph 313. *Modern Physics*. Brady.
 Ph 405. *Advanced Studies*. Staff.
 Ph 501. *Graduate Research*. Staff.
 Ph 503. *Graduate Thesis*. Staff.
 Ph 505. *Graduate Studies*. Staff.

* On demand Ph 868 Photography will be substituted.

POLITICAL SCIENCE

Ulysses Grant Dubach, Ph.D., professor of political science and head of the department.

- PS 231s. *Current Affairs*.
 PS 418. *Latin-American Relations*. (g)

RELIGION

Ernest W. Warrington, M.A., professor of religion.

- R 220. *Sermon on the Mount*. One hour.

SPEECH

Earl W. Wells, J.D., associate professor of speech; D. Palmer Young, B.S., assistant professor of speech and dramatics.

ORIGINAL SPEECH

- Sp 111. *Extempore Speaking*. Wells.
 Sp 120. *Voice and Diction*. Wells and Young.
 Sp 238s. *Speech Correction*. Wells.

DRAMA

- Sp 244. *Stage Craft and Lighting*. Young.
 Sp 247. *Community Drama I*. Young.

SOCIOLOGY

Robert Horniman Dann, M.A., associate professor of sociology.

- Soc 212. *General Sociology*.
 Soc 411. *Social Problems*. (g)

ZOOLOGY

Nathan Fasten, Ph.D., professor of zoology and head of department; Alfred Taylor, Ph.D., instructor in zoology.

- Z 313s. *Field Zoology*. Taylor.
 Z 314. *Evolution and Eugenics*. Fasten.
 Z 405. *Advanced Studies*. Staff.
 Z 501. *Graduate Research*. Staff.

SECOND SESSION

- Z 501. *Graduate Research*. Fasten.
 Z 505. *Graduate Studies*. Fasten.

University of Oregon Summer Session Courses

Following is a list of courses offered in the regular six-week summer session of the University of Oregon at Eugene from June 20 to July 29 and in the post session of four weeks from August 1 to August 26. Nine term hours of credit may be earned in the regular session and six term hours in the post session or 15 term hours in both. For full descriptive catalog of courses address the Director of Summer Sessions, 814 Oregon Building, Portland.

ANTHROPOLOGY

L. S. Cressman, Ph.D., professor of anthropology

Anth 448s. *Field Work in Anthropology*. (G) Three to six hours.

ARCHITECTURE AND ALLIED ARTS

W. R. B. Willcox, F.A.I.A., professor of architecture, director; Andrew Vincent, Chicago Art Institute, professor of drawing and painting; Nowland B. Zane, associate professor of design; Oliver L. Barrett, associate professor of sculpture; Eyer Brown, associate professor of architecture.

AA 290. *Painting*. Vincent.

AA 291. *Drawing*. Vincent.

AA 292. *Composition*. Vincent.

AA 293. *Lower-Division Sculpture*. Barrett.

AA 294. *Lower-Division Sculpture Composition*. Barrett.

AA 307s. *Seminar in Architectural History*. Brown.

AA 343s. *Survey of Architectural History*. Brown.

AA 401s. *Research or Other Supervised Original Work*. Staff.

AA 417s. *Backgrounds of Art Appreciation*. Zane.

AA 477s. *Advanced Art Appreciation*. (G) Zane.

AA 491s. *Drawing (Etching)*. Brown.

AA 493. *Upper-Division Sculpture*. (G) Barrett.

AA 495s. *Basic Principles of Design*. (G) Zane.

AA 501s. *Research or Other Supervised Original Work*. Staff.

AA 503. *Thesis*. Staff.

AA 505. *Reading and Conference*. Staff.

AA 525s. *Seminar in Art and Life*. Willcox.

BUSINESS ADMINISTRATION

Jesse H. Bond, Ph.D., professor of business administration; W. P. Riddlesbarger, A.M., J.D., assistant professor of business administration.

BA 111, 112, 113. *Constructive Accounting*. Bond.

BA 222s. *Elements of Finance*. Riddlesbarger.

BA 401. *Research*. Staff.

BA 416s. *Business Law*. (G) Riddlesbarger.

BA 453. *Business Policies*. (G) Bond.

BA 501. *Research*. Staff.

BA 503. *Thesis*. Staff.

CHEMISTRY

F. L. Shinn, Ph.D., professor of chemistry; A. H. Kuns, Ph.D., associate professor of chemistry; Elizabeth Bradway, Ph.D., instructor in chemistry.

Ch 226. *Organic Chemistry*. Four hours. First three weeks. Dr. Kuns and Dr. Bradway.

Ch 227. *Organic Chemistry*. Four hours. Second three weeks. Dr. Shinn and Dr. Bradway.

DRAMA

Ottile T. Seybolt, M.A., associate professor of English and director of dramatics; Horace W. Robinson, M.A., assistant professor of drama.

Eng 141. *The Speaking Voice*. Seybolt.

Eng 144. *Choral Reading*. Two hours. Seybolt.

Eng 241. *Interpretation*. Seybolt.

Eng 247s. *Principles of Acting*. Robinson.

Eng 251s. *Introduction to the Theater Arts*. Robinson.

Eng 345. *Play Production*. Robinson.

ECONOMICS

Calvin Crumbaker, Ph.D., professor of economics; Delbert R. French, Ph.D., associate professor of economics. *Visiting instructor*: James K. Hall, Ph.D., professor of public utilities and public finance, University of Washington.

Ec 211. *Outline of Economics*. Crumbaker.

Ec 413. *Money and Banking*. (G) Hall.

Ec 418. *Public Finance*. (G) Hall.

Ec 454s. *Problems of Public Ownership*. (G) Crumbaker.

Ec 501. *Economic Research*. Crumbaker.

Ec 503. *Thesis*. Crumbaker.

Ec 507. *Economics Seminar: Public Finance*. Hall.

POST SESSION

Ec 414ps. *International Currency and Credit Problems*. (G) French.

Ec 477ps. *Economic Problems: The Conflict of Personal and Property Rights*. (G) French.

Ec 501. *Research in Economics*. French.

EDUCATION

J. R. Jewell, Ph.D., LL.D., dean of the school of education; F. L. Stetson, M.A., professor of education; F. G. Macomber, Ed.D., professor of education; Anne Landsbury Beck, B.A., professor of music; Elizabeth Montgomery, Ph.D., assistant professor of education; Ralph Bailey, M.A., graduate assistant; Alvin Heas, M.S., graduate assistant. *Visiting instructors*: Earl P. Andreen, Ph.D., instructor in education, Extension Division, University of California; John F. Cramer, Ed.D., city superintendent of schools, Eugene; Stephen C. Gribble, Ph.D., professor of education, Washington University, St. Louis; Lillian Rayner, B.S., Los Angeles Public Schools; Cliff W. Stone, Ph.D., professor of education, Washington State College, Pullman; John Paul Williams, Ph.D., associate professor of education, Massachusetts State College.

Ed 311. *Secondary Education*. Bailey.

Ed 312. *Educational Psychology*. Bailey.

Ed 313. *Principles of Teaching*. Hess.

Ed 316. *Oregon School Law and Oregon System of Education*. Two hours. Cramer.

Ed 338. *Teaching of Public School Music*. Beck. (See also Music)

Ed 405. *Reading and Conference*. Staff.

Ed 409. *Psycho-Educational Clinic*. (G) Montgomery, Rayner.

Ed 420. *Adolescence: Growth and Development of the Individual*. (G) Jewell.

Ed 444s. *Remedial Reading*. (G) Montgomery, Rayner.

Ed 455. *Comparative School Systems*. (G) Cramer.

Ed 463s. *Methods for Exceptional Children*. (G) Gribble.

Ed 465. *Diagnostic and Remedial Techniques*. (G) Montgomery.

Ed 473. *School Administration*. (G) Gribble.

Ed 476s. *Administration of the Small High School*. (G) Cramer.

Ed 497. *Adult Education*. (G) Williams.

Ed 498. *Curriculum Laboratory*. (G) Macomber.

Ed 499. *Units of Work*. (G) Macomber.

Ed 501. *Research*. Staff.

Ed 503. *Thesis*. Staff.

Ed 505. *Reading and Conference*. Staff.

Ed 507. *Seminar in Character Education*. Williams.

Ed 511. *Modern Educational Principles and Problems*. Stone.

Ed 513s. *High School Survey*. Stetson.

Ed 518s. *Improvement of Examinations*. Stone.

Ed 526s. *Modern Philosophies of Education*. Williams.

POST SESSION

Ed 416. *Measurement in Secondary Education*. (G) Macomber.

Ed 457. *Social Education*. (G) Cramer.

Ed 474. *Supervision*. (G) Andreen.

Ed 492ps. *Character Education Problems*. (G) Williams.

Ed 498. *Curriculum Laboratory*. (G) Macomber.

Ed 503. *Thesis*. Staff.

Ed 505. *Reading and Conference*. Staff.

Ed 507. *Seminar*. Staff.

Ed 521. *History of American Education*. Jewell.

Ed 527ps. *The Philosophy of Experimentalism*. Williams.

Ed 555. *College and University Teaching*. Stetson.

Ed 572ps. *Organization of the Local School System*. Andreen.

ENGLISH

Rudolf H. Ernst, Ph.D., professor of English; E. C. A. Lesch, Ph.D., associate professor of English; E. G. Moll, M.A., associate professor of English; Robert D. Horn, Ph.D., associate professor of English; Frank G. Black, Ph.D., assistant professor of English; Albert Van Aver, M.A., instructor in English.

Eng 101. *Survey of English Literature (First Term)*. Black.

Eng 102. *Survey of English Literature (Second Term)*. Horn.

Eng 103. *Survey of English Literature (Third Term)*. Moll.

Eng 112. *English Composition (Any Term)*. Van Aver.

Eng 161. *Survey of American Literature*. Black.

Eng 201. *Shakespeare (First Term)*. Lesch.

Eng 305. *Reading and Conference*. Staff.

- Eng 311s. *Creative Writing*. Moll.
 Eng 324. *English Composition for Teachers*. Van Aver.
 Eng 363. *Twentieth-Century Literature (Third Term)*. Ernst.
 Eng 368. *English Novel (Second Term)*. Black.
 Eng 394. *Romantic Poets of the Nineteenth-Century*. Moll.
 Eng 432. *Eighteenth-Century Literature (Second Term)*. (G) Horn.
 Eng 435. *History of the English Drama (Second Term)*. (G) Ernst.
 Eng 451. *Milton*. (G) Lesch.
 Eng 481. *Nineteenth Century Prose (First Term)*. Ernst.
 Eng 501. *Research*. Horn.
 Eng 503. *Graduate Thesis*. Staff.
 Eng 542. *Seminar: Elizabethan Criticism*. Lesch.

POST SESSION

- Eng 202. *Shakespeare (Second Term)*. Black.
 Eng 368ps. *The English Novel*. Black.
 Eng 373. *Main Tendencies in Contemporary Literature (Third Term)*. Horn.
 Eng 405. *Reading and Conference*. Staff.
 Eng 433. *Eighteenth-Century Literature (Third Term)*. (G) Horn.
 Eng 449. *Restoration Literature*. (G) Lesch.
 Eng 501. *Research*. Lesch.
 Eng 503. *Graduate Thesis*. Staff.

GEOGRAPHY

James C. Stovall, M.A., instructor in geography

- Geo 405. *Reading and Conference*.
 Geo 429. *The Geography of North America*.

GEOLOGY

James C. Stovall, M.A., instructor in geography

- G 290. *An Introduction to the Geology of Oregon*.

GERMANIC LANGUAGES AND LITERATURES

Visiting instructor: George F. Lussky, Ph.D., associate professor of German, University of Minnesota.

- Ger 1s. *Elementary German*.
 Ger 344. *German Literature*.
 Ger 405. *Reading and Conference*.
 Ger 507s. *German Seminar*.

HISTORY

Dan E. Clark, Ph.D., professor of history; Andrew Fish, Ph.D., associate professor of history; John T. Ganoce, Ph.D., associate professor of history. Visiting instructors: Edward M. Hulme, Ph.D., professor of history, Stanford University; John Gilbert Reid, Ph.D., assistant professor of history, Washington State College.

- Hst 341. *Modern Europe, 1815-1870*. Fish.
 Hst 371. *History of the United States, 1783-1850*. Clark.
 Hst 377. *Oregon History*. Ganoce.
 Hst 405. *Reading and Conference*. Staff.
 Hst 431. *The Renaissance*. (G) Fish.

- Hst 484. *Constitutional History of the United States*. (G) Ganoce.
 Hst 493. *China and Japan Since 1550*. (G) Reid.
 Hst 497s. *Relations of the United States with the Far East*. (G) Reid.
 Hst 501. *History Research*. Staff.
 Hst 503. *History Thesis*. Staff.
 Hst 505. *Reading and Conference*. Staff.

POST SESSION

- Hst 405. *Reading and Conference*. Staff.
 Hst 414ps. *European Thought and Culture*. (G) Hulme.
 Hst 463ps. *Forces and Influences in American History*. (G) Clark.
 Hst 500. *Historical Method*. Hulme.
 Hst 501. *History Research*. Clark.
 Hst 503. *History Thesis*. Clark.
 Hst 505. *Reading and Conference*. Clark.

JOURNALISM

Charles M. Hulten, M.A., assistant professor of journalism

- J 360. *General Journalism*.
 J 361. *Public Opinion and Social Institutions*.
 J 405. *Reading and Conference*.

LATIN

Edna Landros, Ph.D., assistant professor of Latin and Greek

- Lat 1. *Beginning Latin*. Four hours.
 Lat 405. *Reading and Conference*.
 Lat 505. *Reading and Conference*.

LAW

Orlando J. Hollis, B.S., J.D., professor of law; Charles G. Howard, A.B., J.D., professor of law; Carlton E. Spencer, A.B., J.D., professor of law. Visiting instructor: Hans von Hentig, Dr. Jur., formerly dean of law school, University of Kiel.

- L 419. *Common Law Procedure*. Hollis.
 L 446. *Domestic Relations and Persons*. Spencer.
 L 470. *Jurisprudence*. von Hentig.
 L 481. *Unfair Competition*. Spencer.
 L 482. *Taxation*. Hollis.
 L 501. *Legal Research*. Staff.

POST SESSION

- L 444. *Quasi Contracts*. Howard.
 L 476. *Labor Law*. Howard.
 L 501. *Legal Research*. Howard.

LIBRARY METHODS

E. Lenore Casford, M.A., periodical librarian; Bernice Rise, B.L.S., B.A., supervisor circulation department; Lois Baker, M.A., law librarian. Visiting instructor: Elizabeth G. Scott, M.A., librarian, Lowell High School, San Francisco, California.

- Eng 381. *Elementary Reference Work*. Casford.
 Eng 382. *Book Selection and Evaluation*. Rise.

- Eng 383s. *Books for School Libraries*. Scott.
 Eng 384. *School Library Administration*. Scott.
 Eng 385s. *Library Practice, Reading and Conference*. Staff.
 Eng 386s. *Cataloging: The Study of the Card Catalog*. Baker.
 Eng 387s. *Classification and Subject Headings*. Baker.
 Eng 388s. *Children's Literature*. Casford.

MATHEMATICS

Edgar E. DeCou, M.S., professor of mathematics.

- Mth 101s. *College Algebra*.
 *Mth 203s, 204s, 205s. *Differential and Integral Calculus*. Three to nine hours.
 *Mth 314. *Higher Algebra*.
 Mth 333. *Elements of Modern Geometry*.
 *Either Mth 203s, 204s, 205s or Mth 314 will be given but not both.

MUSIC

Anne Landsbury Beck, B.A., professor of music.

- Mus 127. *The Appreciation of Music*. Two hours.
 Mus 317. *Public School Music*.
 Ed 338. *Teaching of Public School Music (For Junior and Senior High Schools)*. (See also Education).

PHILOSOPHY

George Rebec, Ph.D., dean of the graduate division, professor of philosophy and head of the department.

- Phl 405. *Reading and Conference*.
 Phl 443. *Philosophy of History: Present-Day Social and Moral Radicalism*. (G)
 Phl 505. *Reading and Conference*.

PHYSICAL EDUCATION

Janet Woodruff, M.A., associate professor of physical education; Howard S. Hoyman, M.A., assistant professor of physical education; Russell K. Cutler, M.S., assistant professor of physical education; Warrine E. Eastburn, B.Sc., instructor in physical education. *Visiting instructor*: Louis R. Burnett, M.D., director of division of health and physical education, department of education, Baltimore, Maryland.

NON-PROFESSIONAL COURSES

(May be used as service courses to fulfill the University requirement.)

- PE 111s. *Elementary Swimming (Women)*. One hour. Eastburn.
 PE 112s. *Golf (Men and Women)*. One hour. Eastburn.
 PE 113s. *Clogging and Tap Dancing (Women)*. One hour. Eastburn.
 PE 152s. *Tennis (Men and Women)*. One hour. Cutler.
 PE 151s. *Swimming (Men)*. One hour. Cutler.
 PE 211s. *Intermediate Swimming (Women)*. One hour. Eastburn.

PROFESSIONAL COURSES

(May not be used as service courses to fulfill the University requirement.)

- PE 333s. *Playground and Community Recreation*. Two hours. Burnett.
 PE 341s. *Physical Education Theory (Elementary)*. Woodruff.
 PE 361s. *School Health Education (Elementary)*. Hoyman.
 PE 374s. *Activities for High School Boys*. One hour. Cutler.
 PE 444s. *Physical Education Theory (Advanced)*. Woodruff.
 PE 464s. *School Health Education (Advanced)*. Hoyman.
 PE 503. *Thesis*. Hoyman and Woodruff.
 PE 505. *Reading and Conference*. Woodruff and Barnett.
 PE 507. *Seminar: Health Education*. Hoyman.
 PE 507. *Seminar: Comparative Recreation*. Burnett.
 PE 507. *Seminar: Organization and Administration*. Burnett.

POST SESSION

- PE 503. *Thesis*. Hoyman.
 PE 505. *Reading and Conference*. Hoyman.

SUMMER SCHOOL OF ATHLETIC COACHING

June 20 to July 1.

Gerald A. Oliver, B.A., assistant professor of physical education and head football coach; William L. Hayward, professor of physical education and coach of track athletics; Howard Hobson, M.A., instructor in physical education and coach of basketball and baseball.

During the first two weeks of the summer session, June 20 to July 2, a school of athletic coaching will be held at the University of Oregon. In 1939 this coaching school will be conducted in connection with the summer session at Oregon State College. Each course carries one hour of credit.

- PE 346. *Coaching of Basketball*. One hour. Hobson.
 PE 347. *Coaching of Football*. One hour. Oliver.
 PE 348. *Coaching of Baseball*. One hour. Hobson.
 PE 349. *Coaching of Track and Field*. One hour. June 27 to July 1. Hayward.

PHYSICS

A. E. Caswell, Ph.D., professor of physics; W. V. Norris, D.Sc., professor of physics; John E. Caswell, M.A., assistant in physics.

- Ph 201. *General Physics (First Term)*. Caswell.
 Ph 201 Lab. *General Physics Laboratory*. One hour. John E. Caswell.
 Ph 202. *General Physics (Second Term)*. Caswell.
 Ph 202 Lab. *General Physics Laboratory*. One hour. John E. Caswell.
 *Ph 207. *Descriptive Astronomy*. Caswell.
 *Ph 211. *Advanced General Physics*. Caswell.

*NOTE: Either Ph 207 or Ph 211 will be given, but not both.

POST SESSION

- Ph 203. *General Physics (Third Term)*. Norris.
 Ph 203 Lab. *General Physics Laboratory*. One hour. John E. Caswell.
 *Ph 212ps. *Advanced General Physics*. Norris.
 *Ph 346ps. *Sound*. Norris.

* Note: Either Ph 212ps or Ph 346ps will be given, but not both.

POLITICAL SCIENCE

Waldo Schumacher, Ph.D., professor of political science.

- PS 201. *American National Government*.
 PS 202. *State and Local Government*.
 PS 419. *International Organization and World Politics*. (G)

PSYCHOLOGY

Robert Leeper, Ph.D., assistant professor of psychology. *Visiting instructor*: Ernest R. Hilgard, Ph.D., associate professor of psychology, Stanford University.

- Psy 204, 205, 206. *Elementary Psychology Laboratory*. One to three hours.
 Psy 208s. *Elementary Psychology*. Leeper.
 Psy 305. *Reading and Conference*. Leeper.
 Psy 334. *Social Psychology*. Leeper.
 Psy 463s. *Employment Psychology*. (G) Hilgard.
 Psy 465s. *Learning Process*. (G) Hilgard.
 Psy 501. *Research*. Leeper.
 Psy 503. *Thesis*. Leeper.
 Psy 507. *Seminar: Psychological Problems of Guidance and Counseling*.
 Hilgard.

POST SESSION

- Psy 305. *Reading and Conference*. Leeper.
 Psy 466ps. *Human Learning*. (G) Leeper.
 Psy 501. *Research*. Leeper.
 Psy 503. *Thesis*. Leeper.

PUBLIC SPEAKING

John L. Casteel, M.A., assistant professor of speech; Donald E. Hargis, M.A., instructor in speech.

- Eng 131. *Extempore Speaking*. Hargis.
 Eng 333. *Conduct of Group Discussion*. Two hours. Casteel.
 Eng 334. *Oral English for Teachers*. Casteel.
 Eng 486. *Speech Pathology*. Hargis.
 Eng 489. *Speech Clinical Practice*. One hour. Hargis.

ROMANCE LANGUAGES

Carl L. Johnson, Ph.D., assistant professor of romance languages; Anna M. Thompson, M.A., assistant professor of romance languages; Hazel Miller Howe, M.A., graduate assistant in French.

FRENCH

- RL 1. *First-Year French*. Four hours. Howe.
 RL 4. *Second-Year French*. Four hours. Johnson.

- RL 313s. *French Literature: Living Authors*. Johnson.
 RL 405. *Reading and Conference*. Johnson.
 RL 503. *Thesis*. Johnson.
 RL 505. *Reading and Conference*. Johnson.

SPANISH

- RL 405. *Reading and Conference*. Thompson.
 RL 503. *Thesis*. Thompson.
 RL 505. *Reading and Conference*. Thompson.

SOCIOLOGY

E. H. Moore, Ph.D., professor of sociology; Samuel H. Jameson, Ph.D., professor of sociology. *Visiting instructor*: Hans von Hentig, Dr. Jur., formerly professor of criminal law and dean of law school, University of Kiel.

- Soc 204. *General Sociology*. Moore.
 Soc 315. *Criminology*. von Hentig.
 Soc 405. *Reading and Conference*. Staff.
 Soc 435. *Population*. (G) Moore.
 Soc 501. *Social Research*. Moore.

POST SESSION

- Soc 405. *Reading and Conference*. Jameson.
 Soc 437. *Immigration and Race Relations*. (G) Jameson.
 Soc 501. *Social Research*. Jameson.

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Correspondence Courses

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

- ART—FREEHAND DRAWING**
ASTRONOMY
BIOLOGY
 Bird Study
 Biological Science Survey
BOTANY
 Plant Biology
 Systematic Botany
 Advanced Systematic Botany
 Shrubs and Trees
BUSINESS ADMINISTRATION
 Constructive Accounting
 Business Law
 General Advertising
 Problems in Distribution
DRAWING
 Mechanical Drawing
 Stresses
 Advanced Graphic Statics
 Elementary Structural Design
ECONOMICS
 Economic History
 Principles of Economics
 Outline of Economics
 Money, Banking and Economic Crises
 Economics of Business Organization
 Economic Problems: Economics of the Recovery Program
EDUCATION
 Modern Methods of Teaching in the Upper Grades and High School
 Character Education
 Curriculum Construction
 History of Modern Education
 Problems of the Classroom
 Child Study
 Supervision of Instruction
 Educational Sociology
 The Child and His Learning
 Mental Hygiene
 Psychology of Adolescence
 Measurement in Secondary Education
 Introduction to Education
WRITTEN ENGLISH
 Exposition, Narration and Argument
 Principles of Good Writing
 Advanced Writing
 Magazine Writing
 Introduction to Short Story Writing
 Short Story Writing
 Advanced Short Story Writing
 Prose Manuscript
 Versification
 Book and Play Reviewing
 Business English
 Methods in Grammar School English
 English for High School Teachers
 Review Course in English Grammar
GEOLOGY
 Geology I
 Historical Geology
GEOGRAPHY
 General Geography, Parts I, II, III
 Physical Geography
HEALTH EDUCATION
HISTORY
 Oregon History
 English History
 Modern Europe
 History of the United States
 Twentieth Century Europe
HOME ECONOMICS
 Household Management
 Child Development
 Clothing Selection
 Food Purchasing
 Principles of Dietetics
 House Furnishing
JOURNALISM
 Elementary News Writing
 Newswriting for Publicity Chairmen
 Feature Writing
LATIN
 Beginning Latin and Caesar
 Latin Literature: Horace
LITERATURE
 Early American Literature
 Recent American Literature
 American Literature Survey
 19th Century American Novel
 Survey of English Literature
 Contemporary American Novel
 Contemporary English Novelists
 20th Century Literature
 Children's Literature
 Shakespeare
 Socially Significant Literature
 English Novel of the 19th Century
 English and American Poetry
 Living Writers
MATHEMATICS
 Intermediate Algebra
 College Algebra
 Plane Trigonometry
 Analytical Geometry
 Elementary Analysis
 Differential Calculus
 Integral Calculus
 Unified Mathematics
 Mathematics of Finance
 Differential Equations
 Elements of Statistics
MODERN LANGUAGES
 First Year French
 Second Year French
 First Year German
 Second Year German
 First Year Spanish
 Second Year Spanish
PHYSICS
 College Physics
 History and Teaching of Physics
 Meteorology
PHYSIOLOGY
 Elementary Physiology
POLITICAL SCIENCE
 National Government
 State and Local Government
PSYCHOLOGY
 Beginner's Psychology
 Elementary General Psychology
 Abnormal and Borderline Psychology
 Genetic Psychology
 Applied Psychology
SOCIOLOGY
 Introduction to Sociology
 General Sociology
 Modern Social Problems
 Criminology
 Matrimonial Institutions
 Community Problems
ENTRANCE COURSES
 Introductory Accounting
 Civics
 American History
 World History
 Entrance English I to VIII
 Entrance English Composition
 Fundamentals of Written English
 English Grammar and Usage
 Elementary Algebra
 Plane and Solid Geometry
 Elementary Physics
 Latin
 Elementary Economics
 Social Problems

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