THE

UNIVERSITY OF OREGON

EUGENE

CATALOGUE, 1915-1916

ANNOUNCEMENTS, 1916-1917

PUBLISHED BY THE UNIVERSITY
APRIL, 1916

SALEM, OREGON:
STATE PRINTING DEPARTMENT
1916

University of Oregon Bulletin

NEW SERIES APRIL, 1916 VOL. XIII, No. 8

THE UNIVERSITY OF OREGON BULLETIN is published monthly during the University year, and will be sent free on application. Requests for Bulletins, or for general information in regard to the University, should be addressed to

THE REGISTRAR,
University of Oregon,
Eugene, Oregon.

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CALENDAR, 1916

JULY

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AUGUST

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SEPTEMBER

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OCTOBER

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CALENDAR, 1917

JANUARY

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APRIL

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MAY

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JUNE

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Days of regular session are printed in light face type. Saturdays, Sundays, holidays and vacations in dark face.

CALENDAR

September 11—Admission examinations.

September 12 to February 2—First semester.

February 5 to June 13—Second semester.

CALENDAR IN DETAIL

September 12, Tuesday. September 13, Wednesday	First semester opens. Payment of incidental fees and registration. Filing of applications for undergraduate, graduate and special student standing, if such applications have not already been filed. Instructors keep office hours for consultation with the students.
September 14, Thursday.	All University work begins.
September 22, Friday.	Reception to the new students by the Christian Associations.
September 30, Friday.	Session of the School of Medicine begins in Portland.
October 11, Wednesday.	Regular meeting, Associated Students.
November 29, 12 M. to December 3, Sunday.	Thanksgiving recess.
December 4, Monday. December 5, Tuesday.	Examinations for removal of conditions.
December 9, Saturday.	Annual Sophomore Formal.
December 16, Saturday, to January 2, Tuesday.	Christmas vacation.
January 2, Tuesday.	Recitations begin 8 A. M., after Christmas holidays.
January 16, Tuesday.	Regular meeting of Board of Regents, Villard Hall.
January 29, Monday.	Mid-year examinations begin.
February 2, Friday.	First semester ends.
February 5, Monday.	Second semester begins.

February 10, Saturday.	Annual Freshman Formal.
February 22, Thursday.	Washington's birthday. A holiday.
February 28, Wednesday.	Regular meeting, Associated Students.
April 7, Saturday. April 15, Sunday.	Spring vacation.
April 21, Saturday.	Preliminary tryout for Failing and Beekman orators.
April 21, Saturday.	Date for filing with the Registrar typewritten copies of the Failing and Beekman orations.
May 2, Wednesday.	Regular meeting, Associated Students. Annual elections.
May 7, Monday. May 8, Tuesday.	Examinations for removal of conditions.
May 11, Friday. May 12, Saturday.	Junior week-end holidays.
May 30, Wednesday.	Memorial Day. A holiday.
June 5, Tuesday.	Final examinations begin.

COMMENCEMENT WEEK

May 31, Thursday.	Failing and Beekman orations, 8 P. M.
June 1, Friday.	Historical Pageant, 8 P. M.
June 2, Saturday.	State Alumnae Association meeting, Villard Hall, 9 A. M.; Alumni business meeting, Villard Hall, 10 A. M.; Alumni Banquet, 1 P. M.; Alumni, ball, 9 P. M.
June 3, Sunday.	Baccalaureate sermon, 11 A. M.
June 4, Monday.	Commencement exercises, 10 A. M.; President's reception, 3 P. M.

REGULAR MEETINGS OF BOARD OF REGENTS, 1916-17

Tuesday, January 16,	1917
Tuesday, June 13,	1917

REGULAR MEETINGS OF THE FACULTY, 1916-17

Thursday, October 5,	1916
Thursday, November 2,	1916
Thursday, December 7,	1916
Thursday, January 4,	1917
Thursday, February 1,	1917
Thursday, March 1,	1917
Thursday, April 5,	1917
Thursday, May 3,	1917
Thursday, June 7,	1917

REGULAR MEETINGS OF ATHLETIC COUNCIL, 1916-17

Saturday, September 16,	1916
Saturday, December 16,	1916
Saturday, March 17,	1917
Saturday, June 9,	1917

REGULAR MEETINGS, ASSOCIATED STUDENTS, 1916-17

Wednesday, October 11,	1916
Wednesday, February 28,	1917
Wednesday, May 2,	1917

OFFICERS OF THE UNIVERSITY

THE BOARD OF REGENTS

OFFICERS

HON. ROBERT S. BEAN, President L. H. JOHNSON, Secretary

EXECUTIVE COMMITTEE

HON. ROBERT S. BEAN, Ex Officio Chairman
HON. A. C. DIXON, Acting Chairman
HON. CHAS. H. FISHER HON. W. K. NEWELL
MRS. G. T. GERLINGER HON. RAY GOODRICH

EX OFFICIO MEMBERS

HON. JAMES WITHYCOMBE, Governor ..... Salem
HON. BEN W. OLCOTT, Secretary of State ..... Salem
HON. J. A. CHURCHILL, Supt. of Public Instruction ..... Salem

APPOINTED BY THE GOVERNOR

Names and Addresses	Term Expires
HON. WILLIAM SMITH, Baker	April 15, 1917
HON. FREDERICK V. HOLMAN, Portland	April 15, 1917
HON. R. S. BEAN, Portland	April 15, 1917
HON. MILTON A. MILLER, Portland	April 15, 1917
HON. RAY GOODRICH, Eugene	April 15, 1919
HON. W. K. NEWELL, Seghers	April 15, 1921
HON. A. C. DIXON, Eugene	April 15, 1923
HON. CHAS. H. FISHER, Salem	April 15, 1923
HON. JAMES W. HAMILTON, Roseburg	April 1, 1925
MRS. G. T. GERLINGER, Dallas	April 15, 1927

ADMINISTRATIVE OFFICERS

THE UNIVERSITY

P. L. CAMPBELL, B.A., LL. D.,
President.

M. H. DOUGLASS, M. A.,
Librarian.

N. C. GRIMES, M. A.,
Secretary to the President.

LOUIS H. JOHNSON,
Comptroller.

A. R. TIFFANY, B. A.,
Registrar.

THE COLLEGES AND SCHOOLS

ERIC W. ALLEN, B. A.,
Dean of School of Journalism.

M. RUTH GUPPY, B. L.,
Dean of Women.

EDWARD W. HOPE, Ph. D.,
Dean of School of Law.

ELLIS F. LAWRENCE, M. S.,
Dean of School of Architecture.

RALPH H. LYMAN, B. A.,
Dean of School of Music.

K. A. J. MACKENZIE, M. D.,
Dean of School of Medicine.

D. WALTER MORTON, M. A., C. P. A.,
Dean of School of Commerce.

JOSEPH SCHAFER, Ph. D.,
Dean of Summer School and University Extension.

HENRY D. SHELDON, Ph. D.,
Dean of School of Education.

JOHN STRAUB, M. A., Lit. D.,
Dean of College of Literature, Science, and the Arts.

FREDERICK GEORGE YOUNG, B. A.,
Dean of Graduate School.

OFFICERS OF INSTRUCTION

THE FACULTY *

P. L. CAMPBELL, B. A., LL. D., EUGENE.
President of the University.
B. A. Harvard University, 1886.
LL. D. University of Colorado, 1913.

PERCY PAGET ADAMS, B. S., EUGENE
Professor of Graphics.
B. A. University of Oregon, 1901; B. S., 1902.

ERIC W. ALLEN, B. A., EUGENE.
Dean of the School of Journalism and
Professor of Journalism.
B. A. University of Wisconsin, 1901.

FRED CARLTON AYER, Ph. D., EUGENE.
Professor of Education.
B. A. Upper Iowa University, 1902.
M. S. Georgetown University, 1905.
Fellow at Georgetown University, 1905.
Scholar and Fellow in Education, University of Chicago, 1912-13; Ph. D., 1915.

ALVIN WALTER BAIRD, B. A., M. D., PORTLAND.
Assistant Professor of Surgery.

JAMES DUFF BARNETT, Ph. D., EUGENE.
Professor of Political Science.
B. A. College of Emporia.
Ph. D. University of Wisconsin.

ERNEST SUTHERLAND BATES, Ph. D., EUGENE.
Professor of Rhetoric and American Literature.
B. A. University of Michigan, 1902; M. A., 1903.
Ph. D. Columbia University, 1908.

JAMES FRANCIS BELL, M. D., L. R. C. P. (London), PORTLAND.
Professor of Theory and Practice of Medicine.

* With the exception of the President the Faculty are arranged in alphabetical order. Separate lists of the Faculty will be found under their respective schools.

HUGO BEZDEK, B. A., EUGENE.
Assistant Professor of Outdoor Athletics.
B. A. University of Chicago, 1906.

ROBERT L. BENSON, M. D., PORTLAND.
Professor of Pathology.

OTTO SALY BINSWANGER, Ph. D., M. D., PORTLAND.
Associate Professor of Clinical Medicine.

JOHN FREEMAN BOVARD, M. S., EUGENE.
Professor of Zoology.
B. S. University of California, 1903; M. S., 1906.

WILLIAM PINGRY BOYNTON, Ph. D., EUGENE.
Professor of Physics.
B. A. Dartmouth College, 1890; M. A., 1893.
Scholar and Fellow in Physics, Clark University, 1894-1897; Ph. D., 1897.

JULIA BURGESS, M. A., EUGENE.
Assistant Professor of Rhetoric.
B. A. Wellesley College.
M. A. Radcliffe College.

ALBERT EDWARD CASWELL, Ph. D., EUGENE.
Assistant Professor of Physics.
B. A. Leland Stanford Junior University, 1908; Ph. D., 1911.

HERMAN ALDRICH CLARK, A. M., EUGENE.
Assistant Professor of Latin.
B. A. University of Michigan, 1909; M. A., 1910.
Graduate Student Charles Kendall Adams
Fellow in Greek, University of Wisconsin, 1913-15.

ROBERT CARLTON CLARK, Ph. D., EUGENE.
Professor of History.
B. A., M. A. University of Texas, 1901.
Ph. D. University of Wisconsin, 1905.

TIMOTHY CLORAN, Ph. D., EUGENE.
Professor of Romance Languages.
B. A. Western Reserve University, 1891.
Student Universities of Berlin and Strassburg, 1897-99.
Ph. D. University of Strassburg, 1901.
Student University of Paris, 1904-05.
Student University of Madrid, 1905-06.

HOMER J. COFFEN, A. B., M. D., PORTLAND.
Assistant Professor of Clinical Medicine.

EDMUND S. CONKLIN, Ph. D., EUGENE.
Professor of Psychology.
B. H. Springfield (Mass.), 1908.
Scholar and Fellow in Psychology, Clark University, 1908-11.
M. A. Clark University, 1909; Ph. D., 1911.

A. N. CREADICK, A. B., M. D., PORTLAND.
Assistant Professor of Anatomy.

MABEL LOUISE CUMMINGS, EUGENE.
Director of Women's Gymnasium.

BURCHARD WOODSON DEBUSK, Ph. D., EUGENE.
Professor of Secondary Education.
B. S. Central Normal College, 1898.
B. A. University of Indiana, 1904.
Ph. D. Clark University, 1915.

EDGAR EZEKIEL DECOU, M. S., EUGENE.
Professor of Mathematics.
B. S. University of Wisconsin, 1894.
M. S. University of Chicago, 1897.
Graduate Student University of Chicago, 1899-1900.
University Scholar Yale University, 1900-01.

RICHARD BENJAMIN DILLEHUNT, B. S., M. D., PORTLAND.
Professor of Anatomy.

FREDERIC STANLEY DUNN, M. A., EUGENE.
Professor of Latin Language and Literature.
B. A. University of Oregon, 1892.
B. A. Harvard University, 1894.
M. A. University of Oregon, 1899.
M. A. Harvard University, 1903.

COLIN VICTOR DYMENT, B. A., EUGENE.
Professor of Journalism.
B. A. University of Toronto (University College), 1900

CHARLES H. EDMONDSON, Ph. D., EUGENE.
Assistant Professor of Zoology.
B. Ph. University of Iowa, 1903; M. S., 1904; Ph. D., 1906.

ROBERT H. ELLIS, M. D., PORTLAND.
Assistant Professor of Obstetrics.

J. ALLEN GILBERT, Ph. D., M. D., PORTLAND.
Assistant Professor of Medicine.

JAMES HENRY GILBERT, Ph. D., EUGENE.
Professor of Economics.
B. A. University of Oregon, 1903.
Ph. D. Columbia University, 1907.

NATHAN CESNA GRIMES, M. A., EUGENE.
Professor of Mathematics.
B. A. University of Michigan, 1906.
M. A. University of Wisconsin, 1909.

M. RUTH GUPPY, B. L., EUGENE.
Dean of Women.
B. L. University of Michigan, 1887.
Student Stanford University, 1901-02.
Student University of Berlin, 1903.

HOWARD D. HASKINS, B. A., M. D., PORTLAND.
Professor of Physiological Chemistry.

WILLIAM L. HAYWARD, EUGENE.
Director of Men's Gymnasium.

EDWARD WILLIAM HOPE, Ph. D., EUGENE.
Dean School of Law and Professor of Law.
B. A. University of Pennsylvania, 1898.
Graduate Student Universities of Berlin and Munich, 1901-02.
M. A. Stanford University, 1903.
Ph. D. Johns Hopkins University, 1905.

WILLIAM HOUSE, M. D., PORTLAND.
Assistant Professor of Nervous and Mental Diseases.

HERBERT CROMBIE HOWE, B. A., EUGENE.
Professor of Modern English Literature.
B. A. Cornell University, 1893.
Graduate Scholar Cornell University, 1893-95.

SIMEON EDWARD JOSEPHI, M. D., PORTLAND.
Professor of Nervous and Mental Diseases.

EARL KILPATRICK, B. A., EUGENE.
Assistant Director of Extension Department.
B. A. University of Oregon, 1909.

J. C. ELLIOTT KING, M. D., PORTLAND.
Assistant Professor of Dermatology and Syphilology.

WILLIAM S. KNOX, B. S., M. D., PORTLAND.
Assistant Professor of Clinical Medicine.

EDMUND JOHN LABBE, M. D., PORTLAND.
Professor of Pediatrics.

ELLIS FULLER LAWRENCE, M. S., EUGENE.
Dean of School of Architecture and
Professor of Architecture.
B. S., M. S., Massachusetts Institute of Technology.

RALPH HAINE LYMAN, B. A., EUGENE.
Dean of School of Music and Professor of Music.
B. A. Grinnell College, 1907.

ALBERT EDWARD MACKAY, M. D., PORTLAND.
Professor of Diseases of Genito-Urinary Organs.

JOHN DICE MACLAREN, M. S., M. D., PORTLAND.
Professor of Physiology.

KENNETH ALEXANDER J. MACKENZIE, M. D., C. M.,
L. R. C. P. & L. R. C. S., Edinburgh, PORTLAND.
Dean of the School of Medicine and
Professor of Operative and Clinic Surgery.

MARY V. MADIGAN, M. D., PORTLAND.
Assistant Professor of Physiology.

E. H. MCLEAN, A. M., M. D., PORTLAND.
Assistant Professor of Pathology.

RALPH CHARLES MATSON, M. D., PORTLAND.
Assistant Professor of Bacteriology.

RAY W. MATSON, M. D., PORTLAND.
Assistant Professor of Medicine.

EDWARD HIRAM MCALISTER, M. A., EUGENE.
Professor of Mechanics and Astronomy.
B. A. University of Oregon, 1890; M. A., 1893.

G. ROBERT MCAUSLAN, EUGENE.
Professor of Commerce.
Callender McAuslan & Troop Co., Providence, R. I.
Chemnitz Co. (Hosiery Mfg.), Providence, R. I.
Boston Store (Dept. Store), Burlington, Vt.
Butler Bros. (Catalog House), Chicago, Ill.
Tull & Gibbs (House Furnishings), Portland, Ore.
Economist Training School, New York City.

CLARENCE J. MCCUSKER, B. S., M. D., PORTLAND.
Assistant Professor of Obstetrics.

WALLE MERRIT, J. D., EUGENE.
Professor of Law.
B. A. University of Michigan, 1908; J. D., 1912.

HARRY B. MILLER, EUGENE.
Director of Commercial and Industrial Survey.

GRAHAM J. MITCHELL, M. A., EUGENE.
Assistant Professor of Geology.
B. S. University of Oregon, 1912.
M. A. Columbia University, 1913.

D. WALTER MORTON, M. A., C. P. A., EUGENE.
Dean of the School of Commerce and
Professor of Commerce.
B. A. Dickinson College, 1902; M. A., 1906.
B. D. Drew Theological Seminary, 1905.
C. P. A. Wisconsin State Board, 1915.

H. B. MYERS, A. B., M. D., PORTLAND.
Professor of Materia Medica,
Pharmacology and Toxicology.

WILLEY HIGBY NORTON, B. A., M. D., PORTLAND.
Associate Professor of Bacteriology and Assistant Dean.

RICHARD NUNN, B. A., B. Ch., M. D., PORTLAND.
Professor of Diseases of Eye, Ear, Nose, and Throat.

JOHN P. O'HARA, Ph. B., EUGENE.
Assistant Professor of History.
Ph. B. University of Notre Dame, 1902.
Student of History, University of Paris, 1905-06.

MABLE HOLMES PARSONS, M. A., EUGENE.
Professor of Rhetoric.
B. A., M. A. University of Michigan.

ELLEN M. PENNELL, EUGENE.
Assistant Professor of Rhetoric.

MARY HOLLOWELL PERKINS, M. A., EUGENE.
Assistant Professor of Rhetoric.
B. A Bates College.
M. A. Radcliffe College.

ROBERT W. PRESCOTT, B. A., EUGENE.
Professor of Public Speaking.
B. A. University of Oregon, 1908.

GEORGE REBEC, Ph. D., EUGENE.
Professor of Philosophy.
B. Ph. University of Michigan; Ph. D., 1897.

ROBERT P. REEDER, LL. M., EUGENE.
Professor of Law.
LL. B., LL. M. University of Pennsylvania.

ARCHIBALD F. REDDIE, B. A., EUGENE.
Professor of Public Speaking.
Graduate Emerson College of Oratory.
B. A. Valparaiso University (Honorary).

EDWIN CLYDE ROBBINS, Ph. D., EUGENE.
Assistant Professor of Economics and Sociology.
B. A. State University of Iowa, 1910; M. A., 1912.
Ph. D. Columbia University, 1915.

JOSEPH SCHAFER, Ph. D., EUGENE.
Professor of History and Dean of Summer School and University Extension.
B. L. University of Wisconsin, 1894; M. L., 1899; Fellow, 1900; Ph. D., 1906.

FRIEDRICH GEORG G. SCHMIDT, Ph. D., EUGENE.
Professor of the German Language and Literature.
Student at the University of Erlangen, 1888-90.
Student at Johns Hopkins University, 1893-96.
University Scholar at Johns Hopkins University, 1894-95.
Fellow at Johns Hopkins University, 1895-96.
Ph. D. Johns Hopkins University, 1896.

LAWRENCE SELLING, A. B., M. D., PORTLAND.
Assistant Professor of Clinical Medicine.

HENRY DAVIDSON SHELDON, Ph. D., EUGENE.
Professor of Education and Dean of School of Education.
B. A. Stanford University, 1896; M. A., 1897.
Ph. D. Clark University, 1900.

FREDERICK LAFAYETTE SHINN, Ph. D., EUGENE.
Professor of Chemistry.
B. A. Indiana University, 1901; M. A., 1902.
Scholar Yale University, 1902.
Ph. D. University of Wisconsin, 1906.

WARREN D. SMITH, Ph. D., EUGENE.
Professor of Geology.
B. S. University of Wisconsin, 1902.
M. A. Leland Stanford, Jr., University, 1904.
Fellow in Geology University of Chicago, 1904-05.
Ph. D. University of Wisconsin, 1908.

DON C. SOWERS, Ph. D., EUGENE.
Professor of Municipalities and Public Accounting.
B. A. Baker University, 1904.
Ph. D. Columbia University, 1915.

ORIN FLETCHER STAFFORD, M. A., EUGENE.
Professor of Chemistry.
B. A., M. A. University of Kansas.

GEORGE BURNSIDE STORY, M. D., PORTLAND.
Professor of Physiology.

FRED L. STETSON, M. A., EUGENE.
Professor of Education.
Whitewater Normal, Wisconsin, Graduate, 1904.
B. A. University of Washington, 1911; M. A., 1913.

JOHN STRAUB, M. A., Lit. D., EUGENE.
Dean of the College of Literature, Science and the Arts, and Professor of Greek Language and Literature.
B. A. Mercersburg College, 1876; M. A., 1879.
Lit. D. Franklin and Marshall College, 1913.

ALBERT RADDIN SWEETSER, M. A., EUGENE.
Professor of Botany.
B. A. Wesleyan University, 1884; M. A., 1887.

W. F. G. THACHER, M. A., EUGENE.
Professor of Rhetoric.
B. A. Princeton University, 1900; M. A., 1906.
Graduate Student University of Chicago, 1906.

EDWARD THORSTENBERG, Ph. D., EUGENE.
Professor of Scandinavian Languages and Literatures.
B. A. Bethany College, 1899.
Scholar Yale University, 1900-03; M. A., 1902; Ph. D., 1904.

ERNEST FANNING TUCKER, B. A., M. D., PORTLAND.
Professor of Gynecology.

CALVIN S. WHITE, M. D., PORTLAND.
Assistant Professor of Medicine.

GEORGE SHATTUCK WHITESIDE, M. D., PORTLAND.
Assistant Professor of Genito-Urinary Diseases.

OTIS BUCKMINSTER WIGHT, B. A., M. D., PORTLAND.
Assistant Professor of Gynecology.

GEORGE FLANDERS WILSON, M. D., PORTLAND.
Professor of Principles and Practice of Surgery.

ROY MARTIN WINGER, Ph. D., EUGENE.
Assistant Professor of Mathematics.
B. A. Baker University, 1906.
Fellow Johns Hopkins University, 1911-12; Ph. D., 1912.

ROBERT CLARK YENNEY, M. D., PORTLAND.
Professor of Clinical Medicine.

FREDERICK GEORGE YOUNG, B. A., EUGENE.
Dean of Graduate School and
Professor of Economics and Sociology.
B. A. Johns Hopkins University, 1886.
University Scholar Johns Hopkins University, 1886-87.

JAMES CULLEN ZAN, M. D., PORTLAND.
Associate Professor of Clinical Surgery.

INSTRUCTORS AND ASSISTANT INSTRUCTORS

CECILIA SMITH BELL, B. A., EUGENE.
Instructor in English Literature.
B. A. University of Oregon, 1911.

R. W. BROECKER, B. A., EUGENE.
Instructor in Education.
B. A. University of Michigan, 1907.

ALLAN J. DELAY, EUGENE.
Assistant Instructor in Journalism.

ROSWELL DOSCH, EUGENE.
Instructor in Drawing.
Student of Emile Bourdelle.
Ecole de Beaux Arts.

ALLEN H. EATON, B. A., EUGENE.
Instructor in Fine Arts.
B. A. University of Oregon, 1902.

FRIEDA GOLDSMITH, B. A., EUGENE.
Instructor in Women's Gymnasium.
B. A. University of Oregon, 1912.

MOZELLE HAIR, B. A., EUGENE.
Secretary Correspondence-Study Department.
B. A. University of Oregon, 1908.

RUTH M. HOWELL, B. A., EUGENE.
Assistant Instructor in Botany.
B. A. University of Oregon, 1912.

EDWARD ERIE LANE, B. A., EUGENE.
Assistant Instructor in Education.
B. A. University of Oregon, 1914.

CAMILLA LEACH, EUGENE.
Assistant in Drawing.

GEORGE HUGH ROE O'DONNELL, B. A., EUGENE.
Instructor in German.
B. A. University of Idaho, 1912.

HAZEL VERN RADER, B. A., EUGENE.
Instructor in Women's Gymnasium.
B. A. University of Oregon, 1915.

MARY LOWELL REBEC, A. B., M. A., EUGENE.
Assistant Instructor in English.
A. B. University of Michigan, 1901; M. A., 1903.

LOUIS C. ROSENBERG, EUGENE.
Instructor in Architecture.
Massachusetts Institute of Technology.
Traveling Fellowship in Architecture, 1914.

ETHEL I. SANBORN, M. A., EUGENE.
Curator of Herbarium.
B. S. State College, South Dakota, 1903.
B. A. University of South Dakota, 1904; M. A., 1907.

ALFRED SHELTON, EUGENE.
Assistant in Zoology.

EDGAR W. SHOCKLEY, EUGENE.
Instructor in Physical Education.

HARRIET THOMSON, B. A., EUGENE.
Instructor in Physical Training.
B. A. University of Michigan.

IDA VIOLA TURNEY, M. A., EUGENE.
Instructor in Rhetoric.
B. A. University of Oregon, 1912; M. A. 1913.

MARY WATSON, M. A., EUGENE.
Instructor in English Literature.
B. A. University of Oregon, 1909; M. A., 1911.

J. ANDRE WELLS, B. A., EUGENE.
Assistant Instructor in Physics

RAYMOND HOLDER WHEELER, Ph. D., EUGENE.
Instructor in Psychology.
B. A. Clark College, 1912.
Scholar and Fellow in Experimental Psychology, Clark University, 1912-1915; M. A., 1913; Ph. D., 1915.

STAFF OF THE SCHOOL OF MUSIC

RALPH H. LYMAN, B. A.,
Dean School of Music and Instructor in Voice.

MRS. A. MIDDLETON, Assistant Instructor in Voice.

WINIFRED FORBES,
Director of the Orchestra and Instructor in Violin.

JOHN J. LANDSBURY, Mus. Bach., Mus. Dr.,
Head of Piano Department and Instructor in Theory of Music.

MRS. JANE S. THACHER, Instructor in Piano.

HERMIONE HAWKINS, Instructor in Piano.

ALBERT PERFECT, Assistant Instructor in Wind Instruments.

NELL MURPHY, B. A., Mus. Bach., Assistant Instructor in Piano.

INA WATKINS, Assistant Instructor in Piano.

RUTH DAVIS, Mus. Bach., Assistant in Piano.

JESSIE FARISS, B. A., Mus. Bach., Assistant in Piano.

MRS. ROSE POWELL, Instructor in Public School Music.

FRANK V. BADOLLET, Instructor in Flute.

LIBRARY STAFF

M. H. DOUGLASS, M. A., Librarian.

BEATRICE J. BARKER, Ph. B., Cataloguer.

MARGARET C. UPLEGER, Reference Librarian.

MARTHA SPAFFORD, B. A., Cataloguer.

MABEL EATON MCCLAIN, B. A., Assistant.

OLGA E. OLSEN, B. A., Assistant.

PAULINE POTTER, B. A., Assistant.

ERVA B. BURDICK, Assistant.

COMMITTEES OF THE FACULTY

THE UNIVERSITY COUNCIL—Consisting of the President of the University and all the full professors of departments at Eugene, who together constitute the legal faculty of the University.

GRADUATE COUNCIL—Professors Young, Rebec, Schmidt, Howe, Stafford, Sheldon.

ATHLETICS—Professors Howe, Dyment, Bezdek.

CREDENTIALS—Professors Schafer, Smith, Thacher, Adams.

SPECIAL STUDENTS—Professors DeCou, Sweetser, R. C. Clark.

LIBRARY—Hon. R. S. Bean, President of the Board of Regents, and the Librarian.

ADVISORY—President, Professors Straub, Guppy, Morton, Grimes.

ADVANCED STANDING—Professors Stafford, McAlister, Hope.

STUDENT AFFAIRS—President, Professors Straub, Guppy, Conklin, Rebec.

STUDENT LIFE—Professors Bovard, Lawrence, Morton, Guppy, Cummings, Rebec, Reddie, Hayward, Grimes, President.

REVISION OF STUDENT COURSES—Professors DeCou, Gilbert, Conklin, Thorstenberg.

APPOINTMENTS—Professors Ayer, Schafer, Boynton, Bates, Schmidt, DeCou, Dunn.

GRADES—Registrar, Professors McAlister, Prescott, Stetson, Shinn.

COMMENCEMENT—Professors Dunn, Gilbert, Straub, Lyman, Mrs. Parsons.

THE UNIVERSITY OF OREGON

INTRODUCTION

HISTORICAL SKETCH

The University of Oregon was established by act of the State Legislature October 19, 1872, and located at Eugene. Deady Hall, the first University building, was erected by the citizens of Lane County, and presented to the Board of Regents in July, 1876. In September of the same year, the University opened its doors for the reception of students. The first class was graduated in June, 1878.

The preamble of the act of October 21, 1876, entitled, "An act to provide for the support and government of the University of Oregon," is as follows:

"WHEREAS, by an Act of the Legislative Assembly, approved October 19, 1872, it was provided that, in order to devote to the purposes of education the seventy-two sections of land donated to the State for the use and support of a State University by the Act of Congress of February 14, 1859, a State University, having for its design to provide instruction and complete education in all the departments of science, literature, professional pursuits and general education, be created and permanently located at Eugene; *provided*, that the Union University Association of Eugene should, on or before January 1, 1874, secure a site for the same at or in the vicinity of Eugene, and erect thereon and furnish a building of not less value than fifty thousand dollars, for the use of said University, on a plan to be approved, and after the erection of the same, to be adopted, by the board of commissioners for the sale and management of the school and university lands, and for the investment of the funds arising therefrom; and

"WHEREAS, said University Association of Eugene, having duly provided a site for said University, and erected thereon, on a plan first approved by said board of commissioners, a building for the use thereof, as provided in said Act of October 19, 1872, which site and building was by said board of commissioners, in July, 1876, duly accepted, and has since been duly conveyed by said University Association to the board of directors of said University; and

"WHEREAS, the directors of the University aforesaid did, in pursuance of an Act of October 19, 1872, on August 9, 1876, elect and appoint a president and two professors of said University and also a principal and assistant teacher of the prepar-

atory department therein, and did also 'fix the salaries of said president, professors and teachers and prescribe the tenure of their offices, the beginning and end of the school year of said University, the studies to be pursued thereat, the admission fees and rates of tuition, together with the qualifications for admission therein'; therefore,

"Be it enacted by the Legislative Assembly of the State of Oregon:

"That the interest which may hereafter accrue on the fund arising from the sale of the University lands aforesaid, is hereby set apart and perpetually appropriated to the maintenance, use and support of the 'University of Oregon'."

The equipment of the University was at first very small, and the courses of instruction were limited practically to literary lines. The University grew rapidly, and the demand for a broader curriculum was met by the addition of engineering, scientific and technical courses. The Law School was established in 1884, and the Medical School in 1887. More recently the schools of Education, Architecture, Commerce and Journalism have been added. With the growth and development of the State, the University has increased in numbers and financial resources. Buildings have been erected, new departments added, and a large equipment installed.

During the early years of the institution, the only high schools in the State were located in two or three of the larger cities, and it was necessary for the University to offer preparatory courses in order that students graduating from the schools in smaller towns might continue their work by coming directly to the University. As the high school system of the State developed, it became possible to discontinue the first year of the academy course; a little later the second year was dropped; and finally in 1904, the academy was entirely abolished.

A similar growth may be seen in the evolution of the present course of study. When the University first opened its doors in 1876, the work of the different courses was practically all required. After a few years, options were allowed in the choice of language groups, and substitutions were permitted for some of the technical requirements. Later a great number of possible combinations of required courses were offered, with a few elective hours. Then came the group system with the work for the first two years required, and the greater portion of the last two years elective except for a major elective requirement.

Finally, during the year 1904-05, the University adopted practically a free elective system of undergraduate study, with a major requirement not to exceed one-third of the one hundred and twenty semester hours necessary for graduation. The only specific requirements, besides the major, are twelve semester hours of gymnasium work, two year-courses in some language other than English, and the attainment of a reasonable proficiency in English composition. It is found that by means of the major requirement, the University is able to give a wise direction to the student's chosen line of work. On the other hand, the limit placed on the amount of required work encourages the enlargement of the student's field of study, and makes possible a broad, general culture.

A noteworthy enlargement of the functions of the University is the Correspondence and Extension departments, which bring the resources of the University within the reach of those who are unable to attend the regularly organized classes on the campus, and further provide lectures for such communities as desire to avail themselves of the opportunity.

THE UNIVERSITY AND THE STATE

The aim of the University of Oregon in its relation to the educational system of the State is two-fold: First, to supplement the work of the high schools with a four years' university course. Second, to encourage graduate study. As an organic part of the State's public school system, the University sustains a relation to the high schools similar to that sustained by the high schools to the grammar grades. As those who have passed through the grammar grades may continue their studies in the high schools, so those who have completed the full high school course may advance to the opportunities offered by the University. In a word, the University (exclusive of the Graduate School) embraces the thirteenth, fourteenth, fifteenth and sixteenth grades of the public school system. It completes the work begun in the grammar schools and continued in the high schools.

While the University furnishes instruction in the various branches requisite for a liberal education, and in the technical branches of architecture, commerce, education, journalism, law,

medicine and music, it also aims to encourage research work in its departments, and to offer to those who have completed college courses at the University or elsewhere an opportunity to do graduate work along general or special lines.

In addition to its work as a part of the public school system, the University attempts to aid in the State's development by gathering exact and detailed information concerning its industrial resources, and by investigating, through its several departments, such civic and industrial problems as are of special interest to the people of the State.

Thoroughly in sympathy with the modern tendency toward the socialization of public education, it is the policy of the University to extend its activities to the service of the State in every way in which they may be of value.

GOVERNMENT

The government of the institution rests upon the inherent obligations of students to the University and to the State. The University is maintained at the public expense for the public good. Those who participate in its benefits are expected, as a matter of honor, not only to fulfill the obligations of loyal members of the institution, of the community, and of the commonwealth, but actively to aid in promoting intellectual and moral interests. Every student owes to the public a full equivalent for the expenditure in his behalf, in the form of superior usefulness to it, both while in the institution and afterwards. Students, therefore, cannot claim any exemption from the duties of good citizens and loyal members of the community and of the University; on the contrary, they are under peculiar obligations loyally to fulfill every duty. As members of the institution, they are held responsible for regular attendance and the proper performance of their duties. As members of the community, students are amenable to the law; and, if guilty of its infraction, are liable to a termination of their relations with the University. The University recognizes its civic relations and rests its administration upon civic obligations.

LOCATION AND ENVIRONMENT

The University of Oregon is located at Eugene, in Lane County, at the head of the Willamette Valley. Eugene is 123 miles south of Portland, with which it is conveniently connected by the Southern Pacific, Oregon Electric, and the Portland, Eugene and Eastern railroads. Eugene is a prosperous community of 12,000 inhabitants. Its well-paved streets and street railway systems, its many fine public buildings and its attractive residence districts combine to produce an effect of municipal well-being. Eugene's effective public school system is given higher excellence by the completion of a new high school building, representing the most approved type of structure of its class. The municipal water supply—always a vital consideration—is unexceptionally good. Copious, cold and pure, the water is subjected to twenty tests each week in the laboratories of the University—a final safeguard against dangerous bacterial contamination. The cultural and moral tone of Eugene is high, and the community is unusually free from corrupting influences.

The setting of Eugene is wonderfully picturesque, and presents the widest possible scenic diversity. The highly developed farms near by give way to wooded hills, and these, in turn, to the majestic crests of the Cascade and Coast ranges of mountains. The mountain streams of this region—especially the McKenzie—are justly famous for their trout fishing. No less excellent is the hunting. Pheasant, quail, duck, deer, bear and other game are abundant. These attractions, with the compelling beauty and rugged grandeur of the natural scenery, bring annually to Eugene and nearby resorts great numbers of sportsmen, tourists and vacation seeking folk. The climate is delightfully equable, without extremes of either heat or cold and without sudden changes, cyclones, or destructive storms of any nature.

BUILDINGS AND GROUNDS

The University grounds are situated about one mile southeast of the center of the city. Electric cars pass the campus every few minutes, giving easy communication with the business section and other parts of the city. The campus contains 80 acres of land, about evenly divided into two sections by East

thirteenth street. On the north campus are located the older University buildings; on the south campus the new administration building, the girls' dormitories, the president's dwelling, and the athletic field. The buildings are situated on a natural rise of ground overlooking the city. Native and exotic trees and shrubs are interspersed here and there with rose hedges and flower gardens. The whole is a beautifully kept lawn, with attractive walks and drives, and is one of the beauty spots of the State. The Willamette River flows along its northern border and the snow-covered Three Sisters and peaks of the Coast Range are in full view.

The following buildings are located on the University grounds:

Deady Hall, a four-story building, was presented to the State by the citizens of Lane County, and was named in honor of Matthew P. Deady, the first president of the Board of Regents. It contains the Botanical, Zoological and Physical laboratories, and the department of Romance Languages.

Villard Hall, erected in 1885, was named in honor of Henry Villard, the builder of the Northern Pacific Railroad, the greatest individual donor to the University's endowment. It is an imposing cemented brick building, and contains the departments of English and Latin, and the General Assembly Hall of the University.

McClure Hall was built in 1900, and houses the departments of Chemistry and Psychology, and the School of Journalism. It has three floors, with laboratory facilities for 200 students in Chemistry, 50 students in Psychology, and 50 in Journalism. The class rooms and laboratories in Psychology occupy the north half of the second floor. The University printing plant is located in the basement.

Commerce Hall, erected in 1901, is devoted entirely to the work of the School of Commerce.

Architecture Hall, erected in 1914, is a duplicate of Commerce Hall in general appearance, and is devoted to the use of the School of Architecture.

The Girls' Gymnasium is a brick building well fitted with suitable apparatus for the use of the women of the University.

The first floor contains the main hall, a room 45x70 feet, and the Director's office. The basement is completely fitted with shower baths, steel lockers, and dressing rooms.

Friendly Hall, the men's dormitory, erected in 1893, with additions completed in 1903 and 1914, is a three-story brick building, equipped with electric lights, steam heat, hot and cold baths, well-furnished parlors and every convenience for the comfort of its occupants. For full information concerning rates and accommodations, see department of catalogue, "Student Expenses."

Library Hall, built in 1907, is a two-story and basement building of pressed brick. On account of the rapid growth of the library, a new fire-proof stack room, of steel and concrete construction, was added in 1914. The library is located south of Deady Hall near Thirteenth street. The first floor contains the general reading room and a general reference room.

Mary Spiller Hall, erected in 1907, will accommodate about 20 girls. It is a two-story and basement building, modern in all respects, well heated and lighted and comfortably appointed. For full information regarding the cost of board and room and of accommodations, see department of catalogue, "Student Expenses."

Music Hall was completed in February, 1909. It is a two-story building, located on University avenue, directly east of Architectural Hall.

The Men's Gymnasium. The gymnasium for men is large and well arranged. It is fitted completely with all modern conveniences, the best apparatus, an indoor running track, a swimming pool, shower baths, lockers, etc.

The athletic field has a four-lap track surrounding a well-constructed football field. The grandstand and the bleachers will seat 9,500 people. At the southeast corner of the campus a level tract of about 35 acres has been purchased as a site for a new athletic field and the work of improving it will begin this spring.

Johnson Hall, erected in 1915, is a two-story and basement building of fireproof construction. The administration offices of

the University occupy the entire second floor. The first floor contains the Condon Geological Collection and Guild Hall. Guild Hall, with a seating capacity of 200, is fully appointed for student plays and for the work of the department of public speaking. The Dean of Liberal Arts and the Dean of Women also have offices on this floor. The departments of Mathematics, Public Speaking and Geology occupy the basement.

Education Hall, to be ready for occupancy the coming September, forms the first unit of a considerably larger building. It is a three-story brick building, 80 feet by 120 feet in dimension, and contains all the departments of the School of Education, including the Practice High School, and the offices of the School of Extension Study.

THE UNIVERSITY LIBRARY

STAFF

M. H. DOUGLASS, M. A.,	Librarian.
BEATRICE J. BARKER,	Head Cataloguer.
MARGARET C. UPLEGER,	Reference and Periodical Librarian.
MABEL EATON MCCLAIN, B. A.,	Circulation Librarian.
MARTHA E. SPAFFORD, B. A.,	Cataloguer.
OLGA E. OLSEN, B. A.,	Order Clerk.
PAULINE POTTER, B. A.,	Cataloguer.

The University Library is a well-selected and rapidly-growing collection of books now numbering more than 60,000 volumes. Since 1908, the regular annual appropriation for books and periodicals and for binding has been $10,000, though in 1911, 1912 and 1914, because of unusual demands in other directions, the full amount was not available. This annual appropriation has made possible a much more rapid development of library resources than was possible previous to 1908, when the principal fund regularly available for the purchase of books was $400 a year from the income of endowment given to the University by the late Henry Villard. The Library is supplied with the best general and special reference books; the files of the principal American and English periodicals of general interest, and with many of the most useful sets of periodicals of special and scientific interest, both American and foreign. Nearly 500 periodicals are currently received, besides many of the daily and weekly newspapers of the State.

The Library is a depository for the public documents published by the United States Government.

The annual appropriation for books is sufficient to provide for the books most needed for use in connection with the courses given and for general reference work. It also makes possible the acquisition each year of a few of the larger and more expensive sets needed for the more advanced University work.

The Library is open daily except Sunday from 7:45 A. M. to 10 P. M., except that on Saturdays it is closed at 6. Books, other than reference books and those especially reserved for use

in the Library, may be drawn for a period of one month, and at the expiration of that time renewed if there is no other demand for them. All persons connected with the University have the privilege of drawing books, and the use of the Library for reference purposes is extended to the general public as well. Books that can be spared from the University are also loaned to other libraries, to superintendents and principals of Oregon schools, and to individual citizens of the State, also. During the year 1915, 624 packages, containing 1,826 items, were sent by mail to out-of-town patrons.

The original part of the present Library building was erected in 1907 at a cost, exclusive of furnishings, of about $26,000. Its ground dimensions are 90 by 60 feet, and it includes two stories above a high basement, the construction material being of pressed brick and stone and the interior wood finish the Oregon fir. It includes a general reading, reference and periodical room, cataloguing rooms, librarian's office, the University Book Store, an unpacking room, storage space for duplicates, and besides eight rooms now being used for recitation or seminar purposes.

The stack room, erected in 1914 at a cost of nearly $30,000, has an ultimate book capacity of from 125,000 to 150,000 volumes on five floors, though three stories only of the stacks have as yet been installed.

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THE UNIVERSITY MUSEUMS

The University museums are three in number, as follows:

THE CONDON GEOLOGICAL MUSEUM

The geological collections occupy quarters in the new Administration Building and comprise the Condon Geological Museum.

(1) The Condon cabinet consists of many thousand specimens, and represents the life work of the late Dr. Thomas Condon. The cabinet is especially rich in vertebrate fossils from the John Day Valley, and contains in addition many invertebrates and paleo-botanical specimens. This cabinet is perhaps the finest collection of paleontological specimens in the Pacific Northwest.

(2) A display collection of minerals. This is a growing collection of especially fine minerals.

(3) A type collection of minerals. A collection of about 1,500 mineral specimens representative of the ordinary occurrence of the different minerals.

(4) A collection of Oregon economic minerals.

(5) A type collection of rocks, etc. This contains, besides the United States Geological Survey educational series of rocks, a collection from type localities in the Lake Superior iron-bearing and copper-bearing districts illustrating some of the oldest formations on the continent; also a collection of typical specimens from the Philippine Islands. Besides these are many isolated specimens from various and remote parts of the world.

(6) An ethnological collection of tools and implements used by early man.

In the collection is also a cast of the Willamette meteorite, the gift of Mr. D. A. Patullo, of Portland. The original meteorite was found 2½ miles west of Oregon City. Its dimensions are: Extreme length, 10 feet 3½ inches; breadth, 7 feet; height, 4 feet; estimated weight, 12-15 tons. It is now in the American Museum of Natural History, New York City. The museum, through Dr. E. O. Hovey, is said to have paid $20,500 for this meteorite.

BOTANICAL

The botanical museum consists of the following: (1) The Howell collection, consisting of 10,000 specimens, collected for the most part in Oregon, many of which are type specimens; (2) the Leiberg collection, presented to the University by Mr. John B. Leiberg in 1908, consisting of 15,000 sheets of specimens, collected principally from Oregon, Washington, and Idaho, but including also some from other states. The specimens are for the most part duplicates of others deposited in the National Herbarium at Washington by Mr. Leiberg for the Government while he was in its employ, and are extremely valuable; (3) the Cusick collection, consisting of 7,000 specimens of Oregon and other flora. These collections are being constantly added to by gift and exchange. All specimens not already classified are being classified and arranged in cases as rapidly as possible.

ZOOLOGICAL MUSEUM

The Zoological Museum is located on the third floor of Deady Hall, where ample room is given for the exhibition cases. It contains a fine series of mounted and unmounted birds and mammals, to illustrate different groups; a collection of Oregon reptiles, made by Mr. J. R. Wetherbee; a series of fish, mostly salmonidae from the Columbia River, donated by the United States Government; a collection of food fishes of the Oregon Coast, made by Mr. B. J. Bretherton, of Newport, Oregon, and presented to the University.

It is further supplied with an excellent series of invertebrate animals, models of types from France and Germany. To this may be added casts of brains and head formations of various races, and a particularly fine series of wax models made from drawings by His in Zeigler's laboratory at Freiburg, illustrating different stages in the development of the human embryo and that of the chick; also a similar series showing the development of amphioxus, different forms of segmentation, etc.

THE UNIVERSITY LABORATORIES

GEOLOGY

Mineralogy. The laboratory is equipped for work in descriptive and determinative mineralogy and crystallography, and contains the following mineral collections:

(1) A display set of minerals.

(2) A labeled set of working material.

(3) An unlabeled working set together with a quantity of unlabeled working material.

(4) A set of Penfield's Wooden Crystal Models.

Petrology. A working collection of hand specimens of rock is examined and identified by each student. The department also maintains apparatus for grinding thin sections of rocks and is equipped with petrographical microscopes and the Krantz collection of rocks and thin sections.

Physiography. Equipment for making relief maps has been added, as well as numerous charts and models for the illustration of physical features.

Paleontology. The laboratory is especially well equipped for studying the paleontology of Oregon, and is rapidly adding a comprehensive working collection of the fossils of all geologic ages.

Economic Geology. The department is well equipped with minerals and ores for introductory work in this subject. A complete equipment for field geology has been added, including transits, plane tables, hypsometers, compasses, levels, etc., for instruction in every phase of topographical and geological mapping.

CHEMISTRY

The chemical laboratories are located in McClure Hall. All of the first floor and portions of the basement and second floor are devoted to chemistry. In the basement is the beginner's laboratory, which will accommodate 100 students. The desks are provided with water, gas and electricity. On one side is a bank of hoods with very efficient draught. The hoods are supplied with water, gas, waste and hydrogen sulphide connections. Immediately adjacent to this laboratory is a dark room, also the departmental office.

On the first floor is the laboratory for analytical chemistry with 64 lockers, equipped in all respects as the one just described with the addition of an electrically heated drying oven and steam bath. Opening from this room are the instructor's office and private laboratory. Adjoining the analytical laboratory is the general supply room. Across the hall is the lecture room, a comfortable room with inclined floor, having a seating capacity of about 120. Here also are cases containing a collection of organic and inorganic chemical specimens for illustrating the class work. Back of the lecture room is a private laboratory.

On the third floor is located the organic laboratory; also the work shop.

Distilled water is supplied to all laboratories through block tin pipes. Alternating and direct current is available at all hours, the latter being supplied by a motor-generator set installed in the building.

Heavy and inflammable chemicals are stored in an annex adjacent to the main building.

The effort is made to keep the store room supplied with apparatus and chemicals to meet the requirements of the usual laboratory courses as well as to provide facilities for original investigation. A few reference books and periodicals belonging to the department are kept in the main office, and students are encouraged to make free use of these facilities. The bulk of the chemical periodicals and treatises, however, are to be found in the University library.

PSYCHOLOGY

The Psychological laboratory is now well equipped for practice or advanced work. It consists of a suite of nine rooms, in addition to the lecture room, in McClure Hall. All of the rooms are connected by an intercommunicating system of wires and speaking tubes, so that isolation of students for delicate work is easily accomplished; and all are supplied with gas, compressed air, and power circuits. One of the rooms is commodious enough for seminary and small class purposes, and another can be readily made absolutely dark for adaptation purposes. The laboratory has a considerable store of the more simple apparatus and some of the more complex pieces. Each year additions are

made of the best modern construction. For demonstrational work in connection with the courses in general psychology, experimental psychology, and mental hygiene and for laboratory practice the equipment of apparatus is already good, making it possible to illustrate and reproduce the principal methods of experimental study of the sensations, attention, emotional expression, fatigue, reaction times, etc.

PHYSICS

The physical laboratories are located on the first and second floors of Deady Hall. The laboratories for elementary and general work are located on the second floor, and furnish accommodations for workers in large sections. There is a very complete collection of apparatus for elementary work, available to those who are preparing to teach in the high schools. The additions made in recent years as a result of increased appropriations have been almost entirely in pieces of high grade, of the most substantial and workmanlike character, suited for exact quantitative work, and are well distributed among the various portions of the science. This equipment is supplemented by the collection of lecture-room apparatus, which is especially rich in the departments of light, electricity, and magnetism. Among the more important pieces may be mentioned apparatus for the study of accelerated motion, of harmonic motion, and of central forces; thermometers of a wide range of sensitiveness, calorimeters for precision work, combustion calorimeters, and apparatus for determining the mechanical equivalent of heat; lenses, laboratory telescopes, spectroscopes, spectrometers, and an unusual collection of prisms and diffraction gratings, two very excellent photometers, polarimeter, and a Michelson interferometer; an exceedingly good collection of galvanometers, resistance boxes, ammeters and voltmeters, and a large electro-magnet.

The special laboratories for advanced work are located on the first floor, and are provided with concrete piers for apparatus requiring unusual stability, and with storage battery, 110-volt direct current, and alternating current of several potentials, and a system of distributing circuits. The laboratory is equipped with apparatus of the highest grade, and of considerable variety. The electrical equipment includes resistance boxes and resistance

standards from the Leeds & Northrup Co., Hartmann & Braun, and O. Wolff, ranging from a standard 1-100 ohm to 100,000 ohms, a Kelvin bridge for measuring resistances from 1 ohm to 1-1,000,000 ohm, a high potential storage battery of 2,000 cells capable of furnishing 4,000 volts, high potential transformers, and an equipment for experimental work with electric waves and wireless telegraphy, a Leeds & Northrup potentiometer, a large collection of galvanometers, portable and reflecting, suited for a wide range of work, ammeters and voltmeters from the Western Electrical Instrument Co., the Keystone Electric Instrument Co., and the American Instrument Co., both for direct and alternating current, wattmeters, Siemens and absolute dynamometers, standards of self and mutual inductance, condensers, both of mica and of paper; precision photometers, standardized incandenscent lamps, and the usual accessories of switches, commutators and electric motors.

BOTANY

The Botanical department occupies the fourth floor of Deady Hall. The laboratory for the general botany classes has the regular equipment of work tables, lockers, and compound microscopes, as well as provision for the displaying of stereopticon illustrations and charts. This, as are all the other rooms, is furnished with gas and lighted with electricity. The department possesses a fine series of botanical models of flower types and insectivorous plants. The supply of preserved material is constantly being added to and is fairly representative of the various plant groups. Each student is expected to provide himself with dissecting set and drawing material, but the laboratory is prepared to furnish the necessary microscopical slides, reagents, and glassware.

Half of the fourth floor is devoted to the Herbarium and Bacteriological rooms. Mr. Thomas Howell has donated his large herbarium, containing many type specimens, to the University. This, together with Mr. Leiberg's gift of 15,000 specimens is available for students in systematic botany. Facilities are provided for the study of preservation of local material and for cataloguing of plants sent from various parts of the State, and the department will be glad to name any specimen that

may be sent to the herbarium for determination. The Bacteriological laboratory is well equipped for work, with its gas-fitted work tables and lockers combined, its autoclave, steam and hot-air sterilizers, incubator, hot water heater and compound microscopes, with oil-immersion lenses.

ZOOLOGY

The laboratories of the Zoology department occupy the third floor of Deady Hall. A large, roomy laboratory with north exposure is provided for the work in General Zoology. Each student has the use of a compound microscope and is provided with a locker for instruments and note books.

Another large laboratory, also on the north side of the building, is used for Histology and Embryology. The apparatus and fittings in this room have been selected with the idea of making the work of each student as independent as possible. Each student is provided with a locker containing all necessary reagents and stains for making microscopic slides. The paraffin ovens are so arranged that each student has his own compartment, thus allowing experiments and special work to be carried on without interference. The laboratory is supplied with a large number of microscopic slides to supplement the work of the student and to illustrate special methods.

The equipment for work in Embryology is very complete. Besides a good collection of chick and pig embryos, the laboratory has a number of models illustrating the development of echinoderms, amphioxus, the frog, chick, pig and man.

On the south side of the third floor is the Anatomy laboratory. It is well provided with a large amount of working material for dissection, as well as a good series of skulls and skeletons illustrative of the various classes of vertebrates. Work in Human Osteology is provided for by a number of human skulls and skeletons, both articulated and disarticulated.

The Physiology laboratory, also on the south side, is well supplied with electrical connections, digestive ovens and water baths. There is also good equipment for experiments on muscle, nervous tissue, circulation and respiration, by which many of the laws of physiology can be worked out.

ADMISSION TO THE UNIVERSITY

ADMISSION TO THE FRESHMAN CLASS

Students are admitted to the freshman class on the completion of a four-year high school course, or its equivalent, requiring fifteen units of work as outlined below. The term *unit* means the equivalent of five recitations per week of not less than forty minutes each, in one branch of study, for a school year of not less than thirty-six weeks.

No student will be admitted to the University who does not have full freshman standing. (Exception may be made in case of *bona fide* special students.)

Required Subjects

Each student entering the University is required to present certain specified subjects. The subjects with the required number of units in each are as follows:

English	3 units
Elementary Algebra	1 unit
Plane Geometry	1 unit
History	1 unit
Science, with laboratory work	1 unit
* *One* foreign language	2 units
Required of all students	9 units

Students majoring in mathematics, physics or architecture are requried to present the following additional subjects:

Solid Geometry	½ unit
Intermediate Algebra	½ unit

Elective Subjects

The balance of the fifteen units not listed above may be selected from any of the subjects for which standard high schools give credit toward graduation, and may include additional work in the required subjects.

* Students unable to present two units of foreign language for admission will be permitted to substitute an equal number of elective units subject to the following conditions: Students entering with no foreign language will be required to take in the University ten semester hours of foreign language in addition to the amount otherwise required; those offering only one year, six semester hours additional.

Not more than four units may be offered in vocational subjects. No credit will be allowed for physical training and not more than one unit for music.

All students are urged to present four units of English.

DIRECTIONS TO FRESHMEN

1. Have your high school principal or superintendent send in an official statement of your credits to the Registrar as soon as possible after your graduation from the high school. If your credits are satisfactory you will receive a card of admission at once.

2. On the appointed registration days, the date of which will be found on page 5 of the catalog, call at the Registrar's office early, bringing with you your card of admission. You will there receive full instructions regarding registration.

3. Choose your major subject with great care. Your major subject will be the same as that department of the University in which you plan to take a large part of your work; *e. g.*, you will major in Botany, Mathematics, Journalism, History, etc., and the head of that department will be your major professor or adviser. If you can choose your major subject before reaching the University, it will be time gained. Your major professor will make out your card for you, after you have registered, and you must consult him as to its arrangement. English Composition, Foreign Language, Physical Training, and, for girls, Personal Hygiene, are required of all freshmen; the remaining hours up to fifteen, or a maximum of sixteen, must be chosen from the appended list of freshman studies with the advice of your major professor.

FRESHMAN STUDIES

The studies of the Freshman year, except as heretofore provided, shall be chosen from the following list of subjects, consisting of the courses offered by the several departments as freshman work: Architecture, 1, 26, 27, 28, 86; Botany, 1, 2, 11; Chemistry, 1; Economics, 1, 2; English Composition, 1, 2, 3, 4, 5, 6; English Literature, 31, 32, 37 and 38; Geology, 1, 2; German, 1; German, 2 and 3, if prepared; French, 1; French, 2 and 3, if prepared; Greek, 1; Greek, 2, if prepared; Spanish, 1; Spanish, 2, if prepared;

Scandinavian Languages, 1 and 2; History, 1, 2, 5 and 6; Journalism, 1; Latin, 1 to 8; Mathematics, 1*a*, 1*b*, 1*c*, 1*d*, 2 and 3; Personal Hygiene, 7; Physics, 1, 2, 3, 4; Public Speaking, 1, 3, 5; Zoology, 1, 2, 11.

EXCESS MATRICULATION CREDIT

Students who bring from accredited preparatory schools credits in excess of the requirements for matriculation must pass an examination at the University in the subjects covered by such credits before these may be counted as canceling any part of the 120 semester hours required for graduation, but in no case shall the amount of college credit so allowed exceed 60 per cent of the number of hours such subject or subjects covered in the preparatory school. The preparatory subjects in which advanced credits may be so earned are as follows: Latin—Cicero or Virgil; German, French, Greek, Higher Algebra, and Trigonometry.

EXAMINATION IN ENGLISH

Every student, at the beginning of his freshman year, shall pass satisfactorily an examination testing facility and accuracy in the use of English; or, he may waive this requirement by taking a course of six semester hours in English during his freshman year, for which college credit will be given.

The examination will be held during registration week at an hour and place announced on the bulletin boards. The examination is designed to test the student's ability to write clear, correct, idiomatic English. He will be asked to criticise an extract of classic prose with respect to a few essentials of good English; to write two essays of not less than two hundred words each, one upon some familiar subject drawn from his experience or observation, and the other upon a subject selected from standard classics. These essays will be tested upon the following points: The language must be clear and grammatical; the spelling, punctuation, and capitalization must be reasonably correct; choice of words must show discrimination; sentences and paragraphs must be constructed in accordance with the simpler principles of composition. The essays must show ability to organize thought. (A topical outline may accompany each essay.)

No student will be passed whose work shows serious defects in spelling, punctuation, grammar, and structure of sentences and paragraphs, or who presents illegible or untidy manuscript.

As preparation for satisfactory work in the University constant and regular practice in writing is earnestly recommended. Throughout the four years of the high school course the student should write exercises and revise them after correction by the teacher, so as to secure accuracy and self-reliance. The subjects upon which the student writes should be drawn from both literature and daily life and experience, and some degree of ability should be secured in each of the types of discourse; description, narration, exposition, and argument. The fundamental principles of grammar should be mastered in theory and in practice. Such principles of rhetoric as are adapted to the student's practical use should be emphasized; principles that make his speech and writing definite and effective, such as good usage in choice of words, correct sentential structure and paragraphing, and outlining of thought.

METHODS OF ADMISSION

There are two ways of entrance to the University: First, by examination; second, by recommendation from accredited schools without examination. All students from schools not accredited to the University are subject to examination at the University. The examinations will be held during the first week of the college year.

ACCREDITED HIGH SCHOOLS

It is the policy of the University to adjust its standard of entrance requirements so as to be in close touch with the schools of the State that do earnest work, and at the same time to protect the scholarship of the University.

The State high school course is the basis of the requirements for entrance to the University and the adoption of the State course at once simplifies the passage of students from high schools into the University. *Only graduates of high schools which meet the requirements of standardization of the State Board of Education are admitted to the University without examination.* The following is the list of schools so standardized for 1915-16:

List of Accredited Schools

Airlie
Albany
Alpine
Alsea
Amity
Arlington
Ashland
Astoria
Athena
Baker
Ballston
Bandon
Bay City
Beaverton
Bend
Bethel
Bonanza
Brownsville
Burns
Canby
Canyon City
Canyonville
Carlton
Central Point
Clatskanie
Coburg
Colton
Condon
Coos River
Coquille
Corbett
Corvallis
Cottage Grove
Cove
Creswell
Crow
Culver
Dallas
Dayton
Dorena
Drain
Dufur
Dundee
Echo
Elgin
Elmira
Enterprise
Estacada
Eugene
Falls City
Florence
Forest Grove
Fossil
Freewater
Glendale
Gold Beach
Gold Hill
Grants Pass
Gresham
Haines
Halfway
Halsey
Harrisburg
Helix
Heppner
Hermiston
Hillsboro
Hood River
Huntington
Imbler
Independence
Irving
Jefferson
John Day
Joseph
Junction City
Klamath Falls
La Grande
Lakeview
Leaburg
Lebanon
Lorane
Madras
Mapleton
Marshfield
McMinnville
Medford
Merrill
Mill City
Milton
Milwaukie
Molalla
Monmouth
Monroe
Moro
Myrtle Creek
Myrtle Point
Nehalem
Newberg
Newport
North Bend
Nyssa
Oakland
Ontario
Oregon City
Orenco
Pendleton
Philomath
Phoenix
Pleasant Hill
Portland—
Franklin H. S.
James Johns H. S.
Jefferson H. S.
Lincoln H. S.
Washington H. S.
Prairie City
Prineville
Rainier
Redmond
Richland
Riddle
Rogue River
Roseburg
Salem
Sandy
Scappoose
Scio
Scotts Mills
Seaside
Shedd
Sheridan
Silver Lake
Silverton
South Brownsville
Springfield
Stanfield
Stayton
St. Helens
Sumpter
Sutherlin
Tangent
The Dalles
Thurston
Tillamook
Toledo
Tualatin
Turner
Union
Vale
Walker
Wallowa
Walterville
Wasco
Weston
Willamina
Woodburn
Yamhill
Yoncalla

Private Schools

Baker—St. Francis Academy.
McMinnville—Academy of McMinnville College.
Milton—Columbia Junior College.

Mt. Angel—Mt. Angel College; Mt. Angel Academy.
Newberg—Pacific Academy.
Pendleton—St. Joseph's Academy.
Portland—Columbia University; Hill Military Academy; Portland Academy; St. Helen's Hall; St. Mary's Academy; St. Joseph's School; Y. M. C. A. Preparatory School.

Admission from Other States

Graduates of high schools outside of Oregon will be admitted to the University without examination on recommendation when such schools are accredited to their own state university or to universities of equal rank.

ADMISSION TO ADVANCED UNDERGRADUATE STANDING

Advanced standing will be given students coming from institutions of collegiate rank, who can satisfy the committee on advanced credits that the courses offered are equivalent to those given by the University. All applicants for advanced standing must present a complete official transcript covering both their high school and college records and a letter of honorable dismissal. These records must be filed with the Registrar on or before the day the student registers in the University.

ADMISSION TO THE SCHOOL OF LAW

The requirements for admission to the School of Law comprise the completion of a four-year high school course (see requirements for admission to the freshman class) and two years of work in Liberal Arts.

ADMISSION TO SCHOOL OF MEDICINE

The requirements for admission to the School of Medicine comprise the completion of a four-year high school course (see requirements for admission to the freshman class), and two years of pre-medical work in the College of Literature, Science and the Arts. No student will be admitted to the School of Medicine who has not completed the full high school and college requirements.

REQUIREMENTS FOR ADMISSION TO SPECIAL STUDENT STANDING

The privileges of a special student are intended for those who, for any reason, are unable to complete a college course, but who are qualified by age, character, practical experience, purpose, and habits of study to profit by University courses.

Special students shall be of two classes, as follows:

(1) Persons not candidates for a degree, who have met all the requirements for entrance to the freshman year, to be known as collegiate special students. They may be permitted to take one or more college courses for which they are fitted and shall be subject to the nine-hour rule, except that when registered for fewer than nine hours they must secure credit in them all.

(2) Persons of maturity, twenty years of age or over, and teachers in public or private schools, who present satisfactory credentials and testimonials, to be known as irregular special students. They may be permitted to take one or more college courses for which they are fitted, subject to the condition that they must complete satisfactorily 60 per cent of the work undertaken.

All applications for special student standing must be passed upon by the Committee on Special Students, who reserve the right to reject any petition, as they may deem wise, and to discuss and change any proposed program of studies. Students, other than those of mature years, must give evidence of a definite object to be attained by the courses sought.

Students who have met all the requirements for entrance to the freshman year, and are candidates for a degree, shall be considered regular students, even though for sufficient reasons they may be permitted to take less than the minimum number of hours. They shall be subject to the nine-hour rule, except that when registered for fewer than nine hours they must secure credit in them all.

UNIVERSITY REGULATIONS CONCERNING UNDERGRADUATE STUDENTS

REGISTRATION

On the appointed Registration Days, in September and February, each student must present himself at the Registrar's office for registration.

At the beginning of the second semester, one day only is given to registration. Matriculated students registering later than that day must pay a late registration fee of two dollars.

STUDY CARD

Each student at the time of his registration at the beginning of each semester will receive from the Registrar a blank Study Card for the selection of studies for the semester. This card, properly filled out and signed by the student's major professor, and the instructors with whom work is taken, must be filed with the Registrar within three days of the date of registration. **Students failing to file their Study Cards within the time specified shall pay a fee of two dollars before being admitted to classes.**

ENROLLMENT IN CLASSES

At the beginning of each semester a student must present his certificate of registration to the instructors of the course in which he desires to be enrolled, and satisfy the instructor in charge that he has had the prerequisite work.

CHANGE OF STUDIES

If because of difficulties with the schedule, or if for any other reason satisfactory to his adviser, any student wishes to make a change in enrollment he may do so by obtaining a "Change of Enrollment Card" from the Registrar and complying with the requirements indicated upon the card itself, as follows: This card, to be effective, must be made out, dated, and signed by the adviser of the student in whose favor it is drawn. The date of use, except after special faculty action, must not be later than ten days from the date upon which the student registered at the University. The Registrar and all instructors are forbidden to honor it under any other conditions.

The instructor from whose course the change is made signs this card as an acknowledgement that he has been duly notified of the change. The instructor in the new course acknowledges by his signature that formal enrollment has been made.

Changes of course later than *ten days* after registration shall not be made until after favorable action by the Committee on Revision of Students' Courses, but petition for change of course will not be considered by the committee after *November 1,* for the first semester, and after *March 1,* for the second semester. Petitions for change of course must be approved and signed by the major professor of the petitioner, and the instructor of the course which the student desires to enter.

WITHDRAWAL FROM CLASS

Students may withdraw from courses up till November 1 of the first semester and March 1 of the second semester with the consent of the major professor and the instructors involved, without petition, provided it leaves them not less than the minimum number of hours—twelve hours for seniors and thirteen hours for others. After these dates and up till January 1 of the first semester, and May 1 of the second semester, withdrawals are permitted only on petition and with the specific recommendation of the major professor. After January 1 and after May 1 no withdrawals are permitted.

WITHDRAWAL FROM THE UNIVERSITY

Students withdrawing form the University shall fill out either a *leave of absence card* or a *card of withdrawal.* Failure to comply with this regulation will lay the student liable to a grade of "F" for all his courses. These cards may be obtained from the Registrar. No student may withdraw after January 1 and after May 1, except on petition and with the special recommendation of his major professor.

DISMISSAL FROM COURSES

Dismissal from a course may be made at any time by the instructor in charge and shall be effective after consultation upon the part of the instructor with the adviser of the student concerned. Such dismissal shall be considered a failure, and shall be indicated upon the semester grade reports by "F."

AMOUNT OF WORK

The maximum number of semester hours for students in the first three years is 16, minimum 13; for students in the senior class, maximum 16, minimum 12.

Students having deficiencies resulting from failure shall not be allowed to take any extra hours for graduation on account of such deficiencies.

Students without deficiencies, who have a record for the preceding semester in their grades of "S" and "H" in two-thirds of the number of hours regularly carried and none below "M," shall be permitted to take a maximum of 18 hours, the excess credits beyond 16 hours being forfeited in case of failure to maintain the standard mentioned.

MINIMUM AMOUNT OF WORK ACCEPTED

Freshmen

Students in the freshman class shall make not less than 18 semester hours during their freshman year, of which not less than eight hours shall be made in the first semester and not less than nine in the second. Failure to make the required hours will suspend the student for the following semester; a second failure will permanently sever the student's connection with the University.

Regular Students, Above Freshmen

The failure on the part of a regular student above the freshman class to make nine hours' credit in a semester shall automatically suspend the student from the University for the following semester; a second failure to make nine hours' credit in a semester shall permanently sever the student's connection with the University.

ATTENDANCE AT CLASSES

All students are expected to attend classes regularly. Daily reports are sent to the Registrar by all instructors. Any student not present at at least 80 per cent of the recitations in any subject will be debarred from examination in that subject. One-sixteenth of a semester hour will be deducted for each absence from class; *provided, however,* that when a student is refused

examination in a subject on account of absences no extra credit shall be deducted from other courses for such absences. Excuses for absences on account of sickness may be granted only at the discretion of a committee of the Deans. Students wishing absences excused must file with the Registrar a written request specifying the dates of the absences and the reasons therefor.

LEAVING TOWN

Every student before leaving town during the session of the University is expected, as a matter of courtesy, to obtain a temporary *leave of absence* card. These cards may be obtained by the women from the Dean of Women, and by the men from the Dean of Liberal Arts.

CONDITIONS AND INCOMPLETES

All conditions and incompletes in college subjects must be made up within one year.

Examinations for the removal of conditions will be held on the first Monday and the following Tuesday in December, and on the first Monday and the following Tuesday in May. Conditions may also be made up at the regular examination time.

CHANGE OF MAJOR

A student may change majors at the beginning of any academic year, except the senior, by filing a petition, indicating the proposed change, with the Registrar. Change of major at any other time shall be made only with the consent of the departments concerned, and after action by the University Faculty.

SCHEDULE OF MARKS

The University uses the following schedule of marks: H—highest or honor; S—superior; M—medium; P—passing; F—failure.

As an average for a term of years approximately 50 per cent of the students in the class receive the grade "M," which indicates satisfactory or average work; 20 per cent receive the grade "S" and 5 per cent the highest or "H" grade; approximately 25 per cent of the class will receive grades lower than the average.

Cond., conditioned. Quality of work unsatisfactory and probably re-examination required. The mark "Cond." is counted the same as "F," failure, in estimating the number of hours a student has made (under the nine-hour rule) for the semester.

Inc., incomplete. Quality of work satisfactory, but unfinished for reasons acceptable to instructor, and additional time granted.

W., withdrawal from class at least one month before the beginning of the final examination period.

Both incomplete and conditioned work must be made up within one year. Failure means that the student cannot receive credits until the work is regularly re-registered and taken over again.

HONORS

Honors granted by the University on graduation are of two kinds: Honors in General Scholarship, and Highest Honors in a Given Subject.

1. Honors in General Scholarship.

Students shall graduate *summa cum laude* when at least half their credits rank H, and not more than three credits M, none below; *magna cum laude* when not more than three credits rank below S, and none below M; *cum laude* when not more than three credits rank below M; when a student's credits rank lower than any of the above, he graduates *rite*.

2. Highest Honors in a Given Subject.

These honors are granted to students who show marked ability to do independent and productive work in their major subjects as evidenced by a thesis of unusual excellence (or its equivalent) and such other tests, formal or informal, as an appropriate committee of the Faculty may require.

Formal application for candidacy for Highest Honors shall be made at the time of filling out the registration card at the beginning of the senior year, and the major professor shall definitely enter upon the student's card either the thesis or the preparation for the special examination, allowing suitable credit therefor, not to exceed four semester hours for the year.

These honors take precedence over Honors in General Scholarship and are to be mentioned in the diploma, the Commencement program, the catalog of the succeeding year, and the General Register.

(Detailed information may be secured from the Registrar.)

GENERAL INFORMATION

PUBLICATIONS

The University of Oregon Bulletin is published monthly, except during the summer vacation. Under this are included the general catalog and announcements of the various schools and colleges of the University.

The Extension Monitor is a monthly magazine published by the University for distribution among correspondence students. Its purpose is to disseminate such directions and items of information as are to be sent to all students alike, and at the same time to bind the correspondence students, so far as possible, into a united corps and create among them a spirit of associated effort such as exists in a high degree on the Campus in the famous "Oregon Spirit."

The Commonwealth Review is a new University publication, the first number appearing in January of the present year. This number contains the addresses delivered at the last Commonwealth Conference.

The University News Bulletin is a page of news items sent about twice a month to the newspapers of Oregon. The people of Oregon own and support the University, and the effort is made to carry to the people such information about the University as will be of interest.

The Oregon Emerald is published three times a week during the college year by the Student Body of the University. The paper is devoted to general college news, and aims to keep the students, Faculty and Alumni posted concerning the every-day happenings at the University and neighboring institutions. The staff consists of an editor, with eight or ten assistants. The various members of the staff are elected during the second semester and hold office for one year.

The Oregana is published annually by members of the junior class. It is a book of 400 pages and from 700 to 1,000 copies are issued. Its object is to present the life of the University from the student viewpoint and to that end it includes stories of University life, cuts of buildings and grounds, drawings, Campus scenes, class records, etc.

ORGANIZATIONS

The Associated Students exercise general control over all student affairs within the University. The general management of its affairs is entrusted to an executive committee, consisting of a president, vice-president, secretary, and two members at large. Officers are elected on the second Wednesday in May of each year.

The Student Council consists of twelve members, whose duties and powers are as follows:

1. To act as an intermediary between Faculty and students.
2. To appoint a yell leader and supervise features connected with University rooting.
3. To direct entertaining of visiting teams or any others who are guests of the University.
4. To assume charge of all other items of importance in which the students may be directly interested and which are not specifically ascribed to the Athletic Council or the Executive Committee.
5. To act as a board of appeal before which any student directly connected with the University of Oregon may place questions of student welfare.

The Council of Women Students holds regular meetings every two weeks for the discussion of matters pertaining to the welfare of the University women. Each club, sorority, and dormitory has one representative and an equal number of representatives are chosen by the girls not living in clubs. All members of the Council are seniors.

LITERARY

The Laurean and Eutaxian Corporation was organized with a State charter in 1877 to further the literary interests of the societies of the University. Its library was for years the sole library of the University, and it furnished the nucleus for the present library.

The Eutaxian Society is the literary society of the women of the University. It was organized in 1877, and has given valuable training to the numbers of students who from year to year

have planned its work and carried out its programs. The program, which is varied from time to time, includes prepared and impromptu addresses, reviews and discussions of current events, debates and parliamentary drills. Resident alumnæ members take an active part in the work of the society, a fact which adds greatly to the strength and value of the organization.

Der Verein Germania

Der Verein Germania was organized at the University of Oregon by students in the Department of German. Meetings are held every two weeks, at which musical and literary programs and discussions are given in German. The purpose of the club is to familiarize its members with German customs and life, and to give them a more fluent command of the language. All students in the Department of German are eligible for membership.

The Dramatic Club

The Dramatic Club is composed of students of the University. All students are eligible who are successful in the tryouts held each fall. The purpose of the organization is to stimulate an interest in dramatic art and to develop latent talent among the members.

Christian Associations

The Young Men's Christian Association of the University is a large organization of college men, and as a student activity occupies a prominent place on the Campus. The purpose of the Association is to conserve, unite and develop the religious side of the student, to render service in numberless ways to the student, and to furnish such activities for the student as will give him an opportunity to learn to live a life of Christian service.

The program of the Association includes meetings and helping new students, social affairs of a democratic nature, a free employment bureau, the promotion of Bible study classes, religious meetings, various lectures, friendly visits, deputation trips, and many other forms of social service.

Last year the Association, through its employment bureau, aided working students to the extent of almost $5,000.00, and saved for them through the second-hand book exchange over $600.00.

The Association is supported entirely by voluntary subscriptions on the part of the students, faculty, alumni, parents and friends. Its efficiency as an institution of service is constantly increasing.

The General Secretary, who gives his entire time to Christian Association work, will be glad to hear from any student or prospective student who desires information or help. Address him, in care of the University of Oregon, Eugene, Oregon, or call at the office in Deady Hall immediately upon arrival at the University.

The Young Women's Christian Association was organized in March, 1894. Its purpose is to crystalize the Christian element in the University, and make the influence of that element felt among all the young women. Its social function is an important part of its work. New students are met as they come from the trains, and everything is done to make them welcome. Devotional meetings are held every Tuesday afternoon at 4 o'clock in the Bungalow. Officers are chosen the first week in January to serve one year. Any young woman wishing information in regard to the Association is invited to correspond with the General Secretary of the Association at Eugene.

The Publicity Committee of the Young Women's Christian Association has undertaken the work of an employment bureau to secure employment for girls who wish to take that means of helping themselves through college. A thorough canvass of Eugene is conducted each year and a list made of desirable places of this sort. Work can easily be found in pleasant homes which will enable a young woman to make her own way fully or in part.

Intercollegiate Oratorical Association

The Intercollegiate Oratorical Association is an organization of the following colleges and universities of Oregon: Pacific College, McMinnville College, Albany College, Oregon Agricul-

tural College, Pacific University, Willamette University and the University of Oregon. An annual contest is held each year in turn at each of the colleges interested.

Intercollegiate Debating League

The Intercollegiate Debating League was organized in 1906 and now consists of the University of Washington, Stanford University and the University of Oregon. Each institution has two teams, which support opposite sides of the question. The affirmative team remains at home and the negative team goes abroad. Debates are held each year with the Oregon Agricultural College and also with the University of Montana.

Oregon High School Debating League

The Oregon High School Debating League was organized to promote debating in the high schools of the State, and has been successful much beyond the expectations of the organizers. The high schools enrolled are divided into five districts—Southern, Central, Eastern Oregon, Columbia River and Coos Bay. The champions of the various districts debate each other, and the final debate for the championship of the State is held each May at the University of Oregon, the winning team being awarded a beautiful silver cup.

Athletics

The Athletic Council of the University of Oregon, consisting of three members of the Faculty and the President *ex officio*, three members of the Alumni Association, and three members of the Student Body and the Graduate Treasurer, *ex officio*, exercises control over all athletic interests of the University. The football, track, basketball, baseball and tennis teams are all under its direct supervision.

Intramural Athletics

The University emphasizes as far as possible intramural athletics, with a view that the greatest good may result to the greatest number. Interclass and interclub teams in basketball,

tennis, track and baseball for men, and in basketball and tennis for women, bring to many who would otherwise take little or no exercise a very large benefit in the way of physical relaxation and recreation.

Girls' Tennis Club

Women of the University have for their own use three standard tennis courts. Membership in the Girls' Tennis Club is purely honorary, selection being based upon individual proficiency in playing. An annual tournament is held, the winner receiving a silver cup. Tournaments are also held with the Oregon Agricultural College.

Musical

The University of Oregon Glee Club is a student organization, open to all students. The Glee Club is composed of about twenty men chosen by a competitive tryout held during the first week of the University year. Annual concerts are given in Eugene and a tour of the State is made during the Christmas holidays.

The Girls' Glee Club was organized during the year 1900. It consists of twenty-four voices, chosen in the same manner as the men's club. An annual concert is given and a trip undertaken each year.

The University choir is composed of the two glee clubs. The music for the monthly vesper services is given by this organization.

The University band is also filled by competitive tryouts. The band furnishes music for games, rallies, student affairs of many kinds, and gives concerts both in Eugene and in other cities of the State. Those playing throughout the year are allowed one semester hour of credit.

The University orchestra practices throughout the year. An annual concert is given, and the orchestra also has a very prominent part in the commencement music. Concerts are also given in other cities. Those playing throughout the year are allowed one semester hour of credit.

National Honorary Societies

Sigma Delta Chi—A national journalistic society for students who intend to follow journalism as a life work. Students are eligible the second semester of the sophomore year. Honorary memberships are conferred.

Tau Kappa Alpha—A national forensic society. Students representing the University in any branch of intercollegiate forensics automatically become elgible to membership in this organization.

Alpha Kappa Psi—A national commerce society for students who expect to follow commercial careers following graduation. Major students in the School of Commerce become eligible to membership at the beginning of the second semester of the sophomore year.

Theta Sigma Phi—A national woman's journalistic society for women students in the University interested in journalism.

Sigma Upsilon—A national literary society for students interested in the production of literature.

Delta Theta Phi—A national law society. The membership of this society is composed of students majoring in the School of Law.

STUDENT LOAN FUND

Through the generosity of Mr. William M. Ladd of Portland, Mr. A. S. Roberts of The Dalles, and the Class of 1904, the University Loan Fund was begun. Although for a number of years the total amount of the fund reached only a little over $500.00, yet its benefits were large, and through it many students were enabled to complete their college course who otherwise could not have done so. At the beginning of 1909, Senator R. A. Booth, of Eugene, became interested, and through his efforts a number of others, among whom were Mr. Theodore B. Wilcox and Mr. J. C. Ainsworth, of Portland, and Mr. John Kelly, of Eugene, made substantial donations. The University now has the following funds:

The General Loan Fund, established by Mr. William M. Ladd, of Portland; Mr. A. S. Roberts, of The Dalles; the Class of 1904; Mr. Theodore B. Wilcox, of Portland; Mr. John Kelly, of Eugene, and other donors whose names have not been given, amounts approximately to $1,300.00.

The Roberts Loan Fund, established by Mr. A. S. Roberts, of The Dalles, $115.00.

The Booth Loan Fund, established by Senator R. A. Booth, of Eugene, $1,000.00.

The Ainsworth Loan Fund, established by Mr. J. C. Ainsworth, of Portland, $1,000.00.

The D. P. Thompson Loan Fund, established by the estate of the late D. P. Thompson, $1,000.00.

The Condon Loan Fund, established by Mrs. Ellen Condon McCornack, in memory of her father, the late Dr. Thomas Condon, for many years professor of geology in the University, $500.00.

The Class of 1911 Loan Fund. The Class of 1911 established a loan fund which when all paid in will amount approximately to $650.00. The interest of this fund is kept separate from the principal, the plan being to use the interest to publish a class history once each three years. The fund at present amounts to about $300.00.

The very generous donations have made it possible more nearly to meet all of the requests for assistance. Loans are made at a low rate of interest and every precaution is made to safeguard against loss. The matter of loans is in the hands of a committee consisting of the President of the University, the Dean of Liberal Arts, the Dean of Women, the Comptroller and the Registrar. Applications for loans are made on blanks furnished by the Registrar. At present loans are not made before the beginning of the sophomore year.

The women of the University are eligible to receive aid from the Scholarship Loan Fund of the State Federation of Women's Clubs.

TEACHERS' BUREAU

The University maintains a Teachers' Bureau. It does not guarantee to find positions for all its graduates, but it will assist them in every way possible to find good locations. The demand for well-trained University graduates to fill positions as principals and teachers in the high schools of Oregon is good. All assistance which the University can give is freely at the command of its students and graduates who are prepared to teach.

GENERAL ASSEMBLY

A General Assembly of the University is held each Wednesday at 10 a. m. Appropriate exercises are held and interesting and important addresses made by invited guests, or by the President or members of the Faculty of the University.

ALUMNI ASSOCIATION

The Alumni Association of the University of Oregon was organized in 1879. The membership consists of all the graduates of the University. The objects of the Association are to "Advance the cause of higher education, to promote the interests of the University of Oregon, and to encourage mutual acquaintance and good fellowship among the alumni." The annual meeting is held at Eugene during Commencement week. The dues of the Association are one dollar a year, fifty cents of which goes toward paying the general expenses, and fifty cents for the subscription to the *Oregon Emerald.* The *Emerald* is sent to each member of the Association.

PRIZES AND SCHOLARSHIPS

PRIZES

The Failing Prize

The Failing prize, not to exceed one hundred and fifty dollars, is the income from a gift of twenty-five hundred dollars made to the University by Hon. Henry Failing, of Portland. It is awarded "To that member of the senior class in the Classical, Scientific or the Literary course prescribed by the University, or such course as may, at the time, be substituted for either of said courses, who shall pronounce the best original oration at the time of his or her graduation."

In 1915 the Failing prize was awarded to Peter Crockatt, of Pendleton.

The Beekman Prize

The Beekman prize, not to exceed one hundred dollars, is the income of a gift of sixteen hundred dollars made to the University by Hon. C. C. Beekman, of Jacksonville. It is awarded under the same conditions as the Failing prize, for the second-best oration.

In 1915 the Beekman prize was awarded to Victor Morris, of Eugene.

The Bennett Prize

The Bennett prize is the income from a gift of four hundred dollars made to the University by Hon. Philo Sherman Bennett, of New Haven, Connecticut. It is given for the best student paper on the principles of free government. The annual income is about $16.00.

Alumni Medal

The Alumni medal is presented annually by the Alumni Association of the University to the best individual student debater.

SCHOLARSHIPS

Medicine

The University of Oregon School of Medicine offers annually one full scholarship and two half scholarships. The holder of the full scholarship is exempt from all fees except some incidentals, the total reduction from the regular fees of the session being $120.00 for the first and second years of attendance. The half scholarship carries a reduction of $60.00 for each session in the same way. Two half scholarships cannot be united to make one full scholarship. The scholarships are awarded to graduates of the University of Oregon having a bachelor's degree of not more than three years' standing at entrance to the Medical School. The awards are made by the Faculty of the University, subject to approval of the Medical Faculty.

Collegiate Alumnae Scholarship

The Oregon Branch of Collegiate Alumnae offers to the young women of Oregon a scholarship of $200.00 at the University of Oregon.

Application for this scholarship should be made through an informal letter stating fully the work done in the preparatory school and the course desired in the University, with whatever further information the candidate may consider desirable. The candidate who, in the judgment of the committee, is the best fitted to do excellent work will be appointed. Applications may be addressed to the chairman of the committee, Miss Laura Northrup, Lincoln High School, or 261 Fourteenth Street, Portland, Oregon.

The Mary Spiller Scholarship

The Mary Spiller Scholarship is given by the State Association of the University of Oregon Alumnae. It consists in the payment of board and room rent at Mary Spiller Hall, situated on the University Campus, for one school year.

Any girl graduate of an accredited high school of Oregon is eligible to this scholarship and it may be given to the same person more than one year, if the committee think it wise to so award it.

Applicants for this scholarship should send their application, with any recommendation or information which they may wish to include, to the Corresponding Secretary of the Association, Mrs. Edith V. Bryson, 532 Lincoln Street, Eugene, Oregon.

Portland Pan-Hellenic Scholarship

The Portland Pan-Hellenic Society will give an annual scholarship to the University of $250.00. The society will select its own girl each year to receive it, beginning with 1915-16.

Rhodes Scholarship

The next qualifying examination for scholars in Oregon under the Rhodes bequest will be held in October, 1916, but the candidate so selected will not go into residence at Oxford until October, 1918.

The scholarships are of the value of 300 pounds a year, and are tenable for three years.

The examination for Oregon will be held at a center to be fixed by the local Committee of Selection. It should be clearly understood that this examination is not competitive, but simply qualifying, and is merely intended to give assurance that every elected scholar is up to the standard of the first examination (responsions) which the University demands of all candidates for the B. A. degree.

The Rhodes scholars will be selected from candidates who have successfully passed this qualifying examination. One scholar will be chosen.

Candidates must be unmarried, and must be citizens of the United States. Candidates are eligible who have passed their nineteenth birthday, but have not passed their twenty-fifth birthday on October 1 of the year for which they are elected.

It has been decided that all scholars shall have reached, before going into residence at Oxford, at least the end of their sophomore or second-year work at some recognized degree-granting university or college.

STUDENT EXPENSES

INCIDENTAL FEE

There is no tuition at the University of Oregon. The incidental fee, payable each year by students in all departments of the University, $5.00 each semester. There is also a student-body tax of $8.00 per year for the support of student enterprizes, which must be paid by all students at the time of registration. At the time of payment the student receives a ticket which admits him free of charge to all contests, concerts, games, etc., given on the campus by the Associated Students during the year. Graduate students are not required to pay the student-body tax. The fees in the School of Music vary with the instruction.

A diploma fee of $10.00 is charged for the first degree taken, and $10.00 for each succeeding degree. The rules prescribe that no person shall be recommended for a degree until he has paid all dues, including the diploma fee.

GENERAL EXPENSES

Comparative statement of student's expenses for the academic year, from September to June:

	Low	Average	Liberal
Incidental fee	$ 10.00	$ 10.00	$ 10.00
Student-body tax	8.00	8.00	8.00
Board and room	162.00	225.00	270.00
Sundries	120.00	157.00	237.00
	$300.00	$400.00	$525.00

The expenses of one person for a year vary according to the circumstances of the case, but, as will be seen from the above statement, are in general very low. The following estimate is probably substantially correct: Board and room from $18.00 to $30.00 per month. The usual price in clubs run by the students is $25.00 per month. Students often rent rooms and do light housekeeping, thus reducing the cost of living much lower than the figure given above.

FRIENDLY HALL

Friendly Hall, the men's dormitory, is a three-story brick building located on the campus. The men living in the Dormitory have a club organization, which is thoroughly democratic, by

means of which, aided by the natural advantages of location, a pleasant home is secured. The home and social life is cared for in a large, pleasant reading and reception room on the ground floor. The rooms are furnished throughout, with the exception of a mattress, bedding and towels, which are supplied by the occupants. The building is steam-heated, and an abundance of hot and cold water is on each floor; with shower baths, lavatories, etc. There are about 50 rooms, which furnish accommodations for 60 or 70 men. The double rooms, or suites, easily accommodate three men, and some of the single rooms accommodate two men. The rooms and building are cared for by the Dormitory management, under the direction of the University. Excellent board is furnished in the dining-room for $3.75 a week. The rate for the room rent is about 50 cents a week. The dining-room accommodates 90 men. The Dormitory is run at cost, with only a small margin at the end of each school year for replacement and repairs, so that the students patronizing it are enabled practically to live for cost. All possible savings and economy are effected by the management, in the way of buying and serving, so that the service in the Dormitory is much better for the amount paid than can possibly be secured in private homes.

Following is a table of the expenses:

Room rent per semester, including laundry for beds, payable at beginning of each semester, per room.....$15.00
Board, per week, payable monthly in advance..... 3.75
Room deposit, returnable at end of year..... 10.00

Applications for rooms should be addressed to the Matron, Friendly Hall, University of Oregon, Eugene. If rooms are available at the time of the application, an assignment will be made at once; otherwise the names will be kept on file, the rooms to be assigned in order of application as vacancies may occur. The room deposits should either be sent in with the application, or when the assignment is made.

MARY SPILLER HALL

Mary Spiller Hall, the girls' dormitory, will accommodate 20 girls. Each room is nicely furnished with bed and springs, rug, dresser, washstand, study table, chairs, and rocking chair. Each girl furnishes her own mattress, bedding and linen. The following scale of prices will be in effect for 1916-17:

Room rent per semester, payable at beginning of each semester, per room ..... $7.50 to $15.00
Board per week, payable monthly in advance 3.75
Room deposit, returnable at end of year 5.00

The hall is located on the campus, near the President's house, and is a very pleasant place to live. Applications for rooms should be addressed to the Matron, Mary Spiller Hall, University of Oregon, Eugene.

ROOMS IN PRIVATE FAMILIES

The University publishes about September 1 of each year a directory of approved rooming and boarding places. The directory is sent free of charge, upon application to the Registrar. The number of rooming and boarding places each year is large, and students will have no trouble in finding good locations. Ordinarily, it is not advisable to engage a room before reaching Eugene. The price of rooms varies from 75 cents to $3.00 per week, and board from $3.50 to $6.00 per week. The average price for room and board in private families is $20.00 per month.

SELF SUPPORT

Seventy per cent of the men attending the University are either wholly or in large part earning their own way by work in the summers and work done during the college year. Eugene is a rapidly growing town of 12,000 inhabitants, whose citizens are friendly to the University and take pleasure in affording to students the opportunity to earn their necessary expenses. The work available during the session consists of janitor work, typewriting, reporting, tutoring, waiting on table, clerking, clothes pressing, odd jobs, etc. The Y. M. C. A. conducts a free labor bureau, which is at the service of the students. The demand for student help is usually larger than the supply. The University is glad to be of all possible assistance to those desiring to find work.

LABORATORY FEES

In all laboratory courses a charge is made for the use of the laboratory and its equipment, for supplies used, and for breakage. At the end of the semester or year, depending on the course taken, any cash balances are returned or collected as the case may be. Payment of the fee must be made before enrollment in any laboratory course.

ORGANIZATION OF THE UNIVERSITY

GRADUATE SCHOOL.

COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS.
- General Courses in Liberal Arts.
- Special Courses including—
  - Course Preparatory to Medicine.
  - Course Preparatory to Law.

SCHOOL OF ARCHITECTURE AND FINE ARTS.

SCHOOL OF COMMERCE.

SCHOOL OF EDUCATION.

SCHOOL OF JOURNALISM.

SCHOOL OF LAW.

SCHOOL OF MEDICINE.

SCHOOL OF MUSIC.
- Theory, Harmony, and Musical History.
- Piano.
- Voice.
- Violin.

SCHOOL OF CORRESPONDENCE STUDY.

SUMMER SCHOOL.

THE GRADUATE SCHOOL

ORGANIZATION

The administration of the Graduate School is entrusted to the Graduate Council, of which the Dean of the school is chairman. The Council has such authority as is sanctioned by the Faculty of the University. The Graduate Faculty is composed of those offering courses approved as carrying graduate credit.

ADMISSION

Any graduate holding a Bachelor's degree or its equivalent from a reputable college or university will be admitted to the Graduate School without examination, and may register for such graduate work as he may be found prepared to enter upon, but he will not thereby be admitted to candidacy for a higher degree until his case has been duly considered and approved by the Graduate Council.

All inquiries concerning admission to the Graduate School should be addressed to the Dean. The student intending to become a candidate for a higher degree should file with the Dean as his credentials his diploma, a copy of the catalogue of the institution from which he graduated, and a transcript of scholarship record as an undergraduate and for graduate work completed, if any, in other institutions.

If the rating of the institution from which he received his first degree is such that he will need a year's additional work before beginning real graduate work at this institution, he would do better to enter one of the undergraduate schools of the University and obtain the preliminary training and an acceptable Bachelor's degree.

College graduates who simply desire to take additional work of an undergraduate grade without a view to preparation for an advanced degree should apply directly to the Registrar and follow the procedure prescribed for undergraduates in registering. Such college graduates will, however, have the status of graduate students and will be exempt from the undergraduate student-body tax.

FEES

All graduate students, not members of the instructional staff, are required to pay a registration fee of $10.00 for each year in which they do residence work. Members of the instructional staff may register for graduate work on payment of a registration fee of $5.00. The fees for graduate work done through correspondence include a registration fee of $1.00 for each period of twelve months through which the work is extended, and a fee of 50 cents for each credit hour of graduate courses undertaken.

REGISTRATION PROCEDURE

A graduate student in residence, but not a candidate for an advanced degree, can complete his registration by paying the registration fee for the year at the Steward's office, and receiving a study card for each semester from the Registrar to be filled out by the professor in charge of his major line of work. Graduate students not candidates for an advanced degree and not in residence will follow the procedure of registration prescribed for all students in the School of Correspondence-Study.

A graduate student who desires to do graduate work for an advanced degree, whether he begins in absence or in residence, should first have filed his credentials with the Dean of the school and have filled an application blank. He will then be advised as to what departmental heads to confer with for determining the lines of work advisable for him to undertake.

The Graduate Council with the aid of the credentials filed and the plans of study submitted by the heads of the departments interviewed will pass upon the requirements to be made of the candidate for earning the degree applied for. The candidate having the conditions thus definitely determined under which he may begin his work for a higher degree pays the required registration fee and receives each semester a study card to be filled out by his major professor. The courses on it to carry credit towards earning the degree must have the approval of the Graduate Council.

ASSIGNMENT OF STUDIES

The heads of the departments in which the student chooses to take his major and minor work determine the combination of courses that he shall pursue, subject to the approval of the Graduate Council. These departmental heads along with an additional member of the Graduate Faculty selected on the basis of the amount of personal knowledge of the character of student's work shall constitute his Special Committee, who shall conduct his examinations, and upon completion of all requirements certify to the Graduate Council his having earned the degree. The head of the department in which the candidate for an advanced degree takes his major work shall be his adviser, and chairman of his Special Committee.

DEGREES GRANTED

The University now offers the following advanced degrees: Master of Arts and Master of Science.

Requirements for These Degrees

(1) Residence Requirement. The regular minimum residence requirement made of candidates for the Master's degree shall be one year. However, if the candidate's major and minor lie in departments that offer the requisite graduate courses at the summer school and through correspondence-study so as to make possible the earning of the credits necessary to meet the scholarship requirements made of candidates for the Master's degree the following modified residence requirements will be accepted subject to the approval of the Graduate Council:

(a) The minimum residence requirement made of candidates who offer a combination of approved graduate summer school and graduate correspondence-study courses shall be eighteen hours, of which twelve hours at least must be earned in summer school courses, and the remainder of the residence requirements may be fulfilled through study in libraries and laboratories under the direction of the head of the department in which the candidate is preparing his thesis.

(b) In order that the courses taken in summer school and through correspondence-study may be acceptable for A. M.

credits they must be listed as courses for "graduates and advanced undergraduates," and must be sanctioned by the resident heads of the respective departments as graduate courses.

All work done through correspondence-study for the Master's degree shall be in regularly outlined and organized courses of the Correspondence-study department, except that the Graduate Council may by special action sanction a proposed line of study for earning graduate credit that is specified by the head of the department concerned.

(2) Scholarship Requirements. The work to be counted toward an advanced degree must be divided between a major subject and a minor, the former receiving approximately twenty semester hours and the latter ten. Six of the thirty hours may, at the option of the candidate's Special Committee, be assigned to the thesis. All candidates must, on or before Monday of the third week before the last of the University year in which the degree is to be conferred, file with the Registrar for the Graduate Council a thesis approved by the chairman of his Special Committee having charge. Within the week in which the thesis is filed the candidate shall sustain a public oral examination by his Special Committee.

No graduate student shall receive any credit toward a degree for grades less than "M." At least one-third of the credits required for the degrees of Master of Arts or Master of Science shall be "H" or "S."

COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

THE FACULTY

P. L. CAMPBELL, LL. D., President.

JOHN STRAUB, Lit. D., Dean of the College of Literature, Science and the Arts, Professor of Greek Language and Literature.

FRED CARLTON AYER, Ph. D., Professor of Education.

JAMES D. BARNETT, Ph. D., Professor of Political Science.

ERNEST SUTHERLAND BATES, Ph. D., Professor of Rhetoric and American Literature.

HUGO BEZDEK, B. A., Assistant Professor of Outdoor Athletics.

JOHN FREEMAN BOVARD, M. S., Professor of Zoology.

WILLIAM PINGRY BOYNTON, Ph. D., Professor of Physics.

JULIA BURGESS, M. A., Assistant Professor of Rhetoric.

ALBERT E. CASWELL, Ph. D., Assistant Professor of Physics.

HERMAN ALDRICH CLARK, M. A., Assistant Professor of Latin.

ROBERT CARLTON CLARK, Ph. D., Professor of History.

TIMOTHY CLORAN, Ph. D., Professor of Romance Languages.

EDMUND S. CONKLIN, Ph. D., Professor of Psychology.

MABEL LOUISE CUMMINGS, Director Women's Gymnasium.

BURCHARD WOODSON DEBUSK, Ph. D., Professor of Secondary Education.

EDGAR EZEKIEL DECOU, M. S., Professor of Mathematics.

FREDERIC STANLEY DUNN, M. A., Professor of Latin Language and Literature.

CHARLES H. EDMONDSON, Ph. D., Assistant Professor of Zoology.

JAMES HENRY GILBERT, Ph. D., Professor of Economics.

NATHAN CESNA GRIMES, M. A., Professor of Mathematics.

WILLIAM L. HAYWARD, Director Men's Gymnasium.

HERBERT CROMBIE HOWE, B. A., Professor of Modern English Literature.

EDWARD H. MCALISTER, M. A., Professor of Mechanics and Astronomy.

GRAHAM J. MITCHELL, M. A., Assistant Professor of Geology.

JOHN P. O'HARA, Ph. B., Assistant Professor of History.

MABLE HOLMES PARSONS, M. A., Professor of Rhetoric.

ELLEN M. PENNELL, Assistant Professor of Rhetoric.

MARY H. PERKINS, M. A., Assistant Professor of Rhetoric.

ROBERT W. PRESCOTT, B. A., Professor of Public Speaking.
GEORGE REBEC, Ph. D., Professor of Philosophy.
ARCHIBALD F. REDDIE, B. A., Professor of Public Speaking.
EDWIN CLYDE ROBBINS, Ph. D., Assistant Professor of Economics.
JOSEPH SCHAFER, Ph. D., Professor of History.
FRIEDRICH GEORG G. SCHMIDT, Ph. D., Professor of the German Language and Literature.
HENRY DAVIDSON SHELDON, Ph. D., Professor of Education.
FREDERICK LAFAYETTE SHINN, Ph. D., Professor of Chemistry.
WARREN D. SMITH, Ph. D., Professor of Geology.
ORIN FLETCHER STAFFORD, M. A., Professor of Chemistry.
FRED L. STETSON, M. A., Professor of Education.
ALBERT RADDIN SWEETSER, M. A., Professor of Botany.
W. F. G. THACHER, M. A., Professor of Rhetoric.
EDWARD THORSTENBERG, Ph. D., Professor of Scandinavian Languages and Literatures.
ROY M. WINGER, Ph. D., Assistant Professor of Mathematics.
FREDERICK GEORGE YOUNG, B. A., Professor of Economics and Sociology.
CECELIA SMITH BELL, B. A., Assistant Instructor in English Literature.
R. W. BROECKER, B. A., Instructor in Education.
ALLEN H. EATON, B. A., Instructor in Fine Arts.
FRIEDA GOLDSMITH, B. A., Instructor in Physical Training.
RUTH HOWELL, B. A., Assistant Instructor in Botany.
CAMILLA LEACH, Assistant Instructor in Drawing.
GEORGE H. O'DONNELL, B. A., Instructor in German.
HAZEL RADER, Instructor in Physical Training.
MARY LOWELL REBEC, M. A., Assistant Instructor in English.
EDGAR W. SHOCKLEY, Instructor in Physical Education.
HARRIET THOMSON, B. S., Assistant Director Women's Gymnasium.
IDA V. TURNEY, M. A., Instructor in Rhetoric.
MARY WATSON, M. A., Instructor in English Literature.
RAYMOND HOLDEN WHEELER, Ph. D., Instructor in Psychology.

ORGANIZATION

The College of Literature, Science, and the Arts includes the following departments:

Botany, Chemistry, Rhetoric and American Literature, Modern English Literature, Economics and Sociology, Political Science, Education, Geology, German, Greek, History, Latin, Mathematics, Mechanics and Astronomy, Philosophy, Psychology, Physics, Physical Education, Public Speaking, Romance Languages, and Zoology.

SPECIAL COURSES

A number of courses specially preparatory to professional work are outlined by the various departments.

Course Preparatory to Medicine

The requirements for admission to the University of Oregon Medical School comprise, as a minimum, the following:

1. The successful completion of a four-year high school or academic course, or an equivalent thereof.

2. The successful completion of two years in the Department of Liberal Arts of the University of Oregon, or in an institution acceptable to the University of Oregon.

3. A certificate of good moral standing, signed by two reputable physicians.

No student will be admitted to the Medical School who has not completed all of the requirements for admission, including both preparatory and college work.

A few medical schools require three years of college work for admission. This usually means that the student takes three years of chemistry, biology and a foreign language, but has a wider range of electives, giving him a broader foundation for his medical work. A course in Psychology is usually advised as a helpful subject where the student has time to take it. A very few schools require, for admission, either the A. B. or B. S. degree.

If possible, the student should look forward to a full college course as the highest type of preparation for beginning his medical work. In accordance with this, the University of Oregon

gives, besides the two-year pre-medical course, a pre-medical course extending over three or four years, as the student may choose. On the successful completion of the four-year course the student is given either the A. B. or the B. S. degree. In this course the student has ample opportunity to branch out into other than his special subjects and at the same time there is sufficient time to cover many subjects that are helpful directly to the courses in the Medical School. The completion of such a course gives a much broader and better foundation for the student's life work.

Combined Seven-Year Course

There has also been established a combined seven-year course, leading to the degrees of A. B. and M. D. Three years, 90 semester hours of work, must be completed in the College of Literature, Science and the Arts, which shall include the pre-medical courses prescribed by the American Medical Association and the University of Oregon School of Medicine. The fourth year must be taken at the University of Oregon School of Medicine. On the completion of the first year's work in medicine and on the recommendation of the faculties, the student may receive the degree A. B.

Course Preliminary to the Study of Law

It is a noticeable tendency of the times to require a more thorough preparation for all the professions. In none is this tendency more marked than in the profession of law. Therefore every student who expects to enter this department is urgently recommended to secure as thorough a collegiate course as his circumstances will permit. A two-year course of studies termed the Pre-Legal Curriculum has been arranged for those who can not take the full collegiate course in preparation for their professional work in Law. Its purpose is to concentrate, and thus conserve, the student's energies by directing his efforts into fields which, while affording most valuable cultural results, will at the same time, it is thought, best prepare his mind to deal effectively with the Law as student and practitioner. To this end the following course has been recommended:

Pre-Legal Curriculum

First Year

English Composition (1) ..... 6 hours
History (6, 7) ..... 6 hours
Chemistry (1) ..... 8 hours
Mathematics (1) ..... 6 hours
Latin (Beginners' Course) ..... 6 hours
or, if student can read simple Latin prose with ease, then Roman Law or Elementary Law (3) ..... 3 hours
and Economics (1, 2) ..... 4 hours
Physical Training.

Second Year

American Government (1) ..... 3 hours
Psychology (1) ..... 6 hours
French or German (1) ..... 10 hours
Economics (3) ..... 6 hours
Philosophy (History) (1, 2) ..... 6 hours
Philosophy (Logic) (3) ..... 2 hours
Physical Training.

PRE-ENGINEERING COURSE

Owing to the fact that a number of students who later expect to take up technical engineering courses prefer to spend two or three years in broader Liberal Arts courses before beginning their technical training, the University has outlined the following suggested two-year and three-year pre-engineering courses:

First Year

English ..... 6 hours
Foreign Language ..... 8-10 hours
Mathematics ..... 10 hours
Chemistry ..... 8 hours

Second Year

Foreign Language ..... 6-8 hours
Mathematics ..... 10 hours
Physics ..... 8-10 hours
Mechanical Drawing ..... 4 hours

Third Year

Analytical Mechanics	6 hours
Descriptive Geometry	2 hours
Graphic Statics	2 hours
Electrical Measurements	6 hours
Mineralogy	6 hours
Economics	6 hours
History	6 hours

GRADUATION

The degree of Bachelor of Arts is conferred upon students of the College of Literature, Science, and the Arts who have been in residence at least one academic year, and who have secured one hundred and twenty semester hours of credit, including the required work, exclusive of prescribed physical training; but the degree of Bachelor of Science may be conferred upon students conforming to the requirements enumerated above and electing majors in Natural Science or Mathematics, provided that written request for this degree be filed with the Registrar of the University at least thirty days before the date upon which the degree is to be granted.

REQUIRED WORK

A semester hour is the credit given for a course consisting of one recitation, lecture, or laboratory period a week for one semester of twenty weeks. Three hours shall constitute a laboratory period.

Major—Every student on entering the University must choose a major subject. The work required in the major subject (including thesis) shall not be less than twenty nor more than forty semester hours, but a student may, if he desires, take extra hours in any one department up to a total of five, making the total hours in that department firty-five.

Personal Hygiene—One lecture per week throughout the year, on personal hygiene, for which college credit is given, is required of all freshmen women.

Thesis—Each candidate for the Baccalaureate degree shall present at the option of his major professor an approved graduating thesis in his major subject. Credit not to exceed four semester hours may be allowed for the preparation of the thesis.

Physical Training—In addition to the one hundred and twenty semester hours required for graduation, four semester hours shall be earned in physical training, two in the Freshman year and two in the Sophomore. In case students are for valid reasons excused from physical training, such students shall earn an equivalent amount of credit in other departments, *i. e.*, students excused from gymnasium shall complete 124 semester hours of University work for graduation. Three hours in the gymnasium each week for one semester shall be equivalent to one semester hour. A physician's certificate only shall count as a valid excuse from gymnasium work.

Language—Every candidate for the degree of Bachelor of Arts, or Bachelor of Science in the College of Literature, Science, and the Arts, shall secure during his Freshman and Sophomore years credit in languages other than English to the extent of 12, 14, 16, 18, or 20 semester hours, which shall be taken in two year-courses.

In case of students entering the University conditioned in foreign language, the requirement is increased by six or ten semester hours, as stated on page 40.

DEPARTMENTS OF INSTRUCTION *

Announcement of Courses for 1915-16

BOTANY

Professor SWEETSER MISS HOWELL

MISS SANBORN

(a) Introductory courses as a foundation for study in Botany and Zoology; (1) for students preparing for the study of Applied Science; (2) for students seeking general culture; (3) for those preparing to teach Science in secondary schools; (4) for students preparing for the study of Medicine.

(b) Intermediate courses for those planning for more extended study along the lines of Biology or Geology.

(c) Advanced courses for students in the Graduate School and for those seeking specialized study and research as far as the resources of the department will permit.

Students taking work preparatory to Medicine, Dentistry, and Pharmacy should elect the following courses in this department: 1, 2, 3, 5, 6, 7, and 11.

1. **Cryptogamic Botany and Taxonomy of Phenogams**—Three lectures and one laboratory period. Morphology Physiology, and Ecology of the flowerless plants and classification of Cryptogams. Open to Freshmen. Lectures on Monday, Tuesday and Thursday at 8; laboratory periods Monday or Tuesday or Wednesday or Thursday afternoon.

Four hours, first semester.

2. **Phenogamic Botany**—Three lectures and one laboratory period. An introductory study of Morphology, Physiology, Ecology, and Classification of the flowering plants, both Angiosperms and Gymnosperms. It is intended for beginners or for those who wish to get a comprehensive view of the subject. Open to all Freshmen. Lectures on Monday, Tuesday and Thursday at 8; laboratory periods Monday or Tuesday or Wednesday or Thursday afternoon. *Four hours, second semester.*

3. **Structural Botany and Plant Histology**—One lecture and two laboratory periods. Prerequisites, Courses 1 and 2. Must precede Course 5. *Three hours, first semester.*

* Alphabetically arranged according to departments.

4. **Plant Physiology and Morphology**—One lecture, two laboratory periods. An advance course, and will include a more or less extended study of plant organs and vegetal functions. Prerequisites, Courses 1 and 2.

Three hours, second semester.

5. **Medical Botany**—One lecture, two laboratory periods. A study of some of the typical medicinal plants, their structure, habitat and medicinal properties. Also a few powdered drugs and their adulterants. Prerequisites, Courses 1, 2 and 3. Not given 1916-17. *Three hours, second semester.*

6. **Bacteriology**—One lecture, two laboratory periods. Laboratory technique and lectures, methods of staining, examining, and cultivating bacteria. Advised for pre-medical students, both semesters. In connection with Physical Culture and in preparation for Domestic Science, first semester.

Three hours, first semester.

7. **Economic Botany**—Biological examination of water, bacteriology of milk, foods, etc. Vegetal food stuffs, dietetics, pure foods and adulterated. One lecture, one laboratory period. Not given 1916-17. *Two hours, second semester.*

8. **Systematic Botany**—(a) Taxonomy of Cryptogams, Mycology, and Algology. (b) Higher Cryptogams and Phenogams. (c) Native shrubs and trees. *Hours to be arranged.*

9. **General Biology**—Two lectures. Devoted to the study of plant and animal structure and some of the fundamental principles of life. Discussion of evolution from biological standpoint, the theories of Lamarck, Darwin, Weiemann, DeVries, Mendleism, heredity and environment; open only to juniors and seniors. Tuesday and Thursday at 11.

Two hours, second semester.

9a. **Biology Demonstration**—Intended for those electing Course 9 and desiring in addition a laboratory study of some simple life problem. *One hour, each semester.*

10. **Research**—Thesis and other investigations.

11. **Sanitary Hygiene**—The economy of the microbes, pure water, pure air, pure milk, and pure food. Lectures. Open to all. Tuesday and Thursday at 11. *Two hours, first semester.*

12. **Pedagogical Colloquium**—Suggestions in methodology for those intending to teach. *One hour, each semester.*

EQUIPMENT

Mr. Thomas Howell has donated his large herbarium, containing many types species, to the University. This collection will be available for students in Systematic Botany.

The Leiberg collection of 15,000 sheets of specimens, mostly from Oregon and Idaho, has been given to the University by Mr. Leiberg. They are for the most part duplicates of specimens filed with the Government, and are extremely valuable.

The collection of Mr. W. C. Cusick of 10,000 sheets has been purchased and Mr. Cusick will make additional collections for the University Herbarium.

LABORATORY FEES IN BOTANY

A deposit of $5.00 is required for each laboratory course, with the exception of Botany 1, Botany 2, and Botany 8, which are $2.00 each, and Botany 7, which is $2.50. Additional expense for supplies, if any, is met by the purchase of coupons. The usual expense to the student in advanced courses is from $2.00 to $4.00.

	Catalog No. of Course	Semester Hours
General Botany	1 and 2	8
Botany	8	4
Botany	12	2

CHEMISTRY

Professor STAFFORD Professor SHINN

Mr. BOND

Students electing Chemistry as a major will in general be expected to take Course 1 during the Freshman year, Courses 3 and 4 in the Sophomore year, and Courses 5 and 10 during the Junior year. The Senior year may be devoted to whatever courses the department may offer during that year which will most nearly meet the demands of the special line of work to be taken up after graduation. Prerequisites and closely allied work during the college course include German, French, Mathematics, Physics, Mineralogy, Biology, etc., depending again upon the work for which the student is making preparation.

1. **General Chemistry**—This course or a satisfactory equivalent is prerequisite for all other work in this department. Its purpose is to give a general introduction to the science, illustrating, incidentally, many practical applications of Chemistry. Three lectures are given each week for the year in which the subject material of the course is illustrated by elaborate lecture experiments, while numerous specimens, models, charts, lantern slides, etc., serve to give the subject a living interest by bringing the students as nearly as possible into contact with its practical aspects. Three hours of laboratory work per week for the year, with the ample facilities for laboratory work that this department now offers, affords a good opportunity for first-hand contact with the experimental truths of Chemistry and for training in laboratory methods. Lectures on Monday, Wednesday and Friday at 11; laboratory periods 1 to 4, Wednesday, Thursday or Friday. Professor STAFFORD.

Four hours, both semesters.

3. **Analytical Chemistry**—A course in qualitative analysis embracing the systematic separation and detection of the common inorganic radicals, followed by a course in quantitative analysis consisting of exercises illustrating the important methods of gravimetric and volumetric determinations. One lecture or recitation per week at an hour to be arranged. Laboratory open to students in this course 1 to 5, Monday, Tuesday and Wednesday. Professor SHINN.

Three or four hours, either semester.

4. **Analytical Chemistry**—Continuation of Course 3. Devoted to quantitative analysis. *Either semester.*

5. **Organic Chemistry**—An introduction to the chemistry of carbon compounds. The subject-matter of this course is a necessity to the advanced student of Chemistry, as well as to students of Medicine, Pharmacy, Biology and kindred subjects. The work of the first semester embraces a brief survey of the elements of organic chemistry and is designed especially to meet the minimum requirements of students preparing to enter medical college, who may not have the time or inclination to pursue the subject beyond one semester. The work of the second semester is a continuation and amplification of that of the first

and is adapted to the needs of students taking Chemistry as a major study, or any others who desire a real working knowledge of the subject. In all cases, where time will permit, students of medicine are advised to enroll for both semesters. Three lectures a week and one three-hour laboratory period throughout the year. Monday, Wednesday and Friday at 9. Professor SHINN. *Four hours, both semesters.*

8. **Physiological Chemistry**—A brief study of the chemical constitution of the body, of foods and of excretion and of the chemical changes accompanying metabolism. The laboratory work will be selected from the following subjects: A study of fats, carbohydrates, and proteins; the products of salivary, gastric and pancreatic digestion; milk, egg, bile and blood; the chemical and microscopic examination of normal and pathological urine. Lectures twice a week and one three-hour laboratory period per week. Must be preceded by Course 5. *Three hours, second semester.*

10. **Advanced Inorganic Chemistry**—A course designed to follow the year of General Chemistry and to be taken in connection with the technical courses of the second and third years of Chemistry study. Lectures only. Tuesday and Thursday at 11. Professor STAFFORD. *Two hours, both semesters.*

12. **Advanced Analytical Chemistry**—Laboratory practice in gravimetric, volumetric and electro analysis. Occasional lectures in which is taken up the theory, calculation, and interpretation of data. Prerequisites, Courses 3 and 4. Professor SHINN. *Two hours or more, either semester.*

14. **Industrial Chemistry**—Typical industries are studied for the purpose of bringing out the technique of applied chemistry as well as to give specific information regarding the cases discussed. Subjects usually discussed are: Fuels, cements, lime, plaster, alkalis, acids, coal, gas, producer gas, ammonia, electric furnaces and their products, and electro-metallurgy. Lectures, collateral reading, and reports. *Two hours, both semesters.*

16. **Physical Chemistry**—The elements of this subject. Three lectures and one three-hour period for laboratory work or calculations. *Four hours, both semesters.*

18. **Electro-Chemistry** — One lecture and three hours of laboratory or computation per week.

Two hours, second semester.

21. **Sanitary Chemistry**—The Chemistry of water purification, sewage treatment, food preservation and adulteration, etc.

Two hours, first semester.

27. **Teachers' Course**—A one-hour course devoted to the discussion of teaching problems in chemistry. Students taking this course will be required to supervise a certain amount of laboratory work.

29. **Advanced Theoretical Chemistry**—Lectures, conferences and reports. For graduate students only. Hours to be arranged.

31. **Research and Thesis Laboratory**—For graduate students. Hours to be arranged.

LABORATORY FEES AND PURCHASE OF MATERIAL

A deposit of $10 for each laboratory course in which enrollment is made must be placed with the University Steward to stand as security for the unreturnable portions of the outfits loaned at the beginning of the laboratory work, and as a fund from which may be deducted a proportionate share of the cost of material supplied to the course in a general way. This deposit, as a rule, does not nearly cover the entire cost of the outfits, and the transaction is made with the understanding that where the breakage and other losses are excessive the student is to make good whatever the amount may be over and above the deposit. The University reserves the right in all cases to withhold credit for work done until laboratory accounts are fully settled.

Loans of additional material are made from time to time as may be necessary, the charges for which are punched from coupons issued in sums of one dollar by the University Steward. Such additional material need not necessarily be obtained from the store room, however, but from wherever it may be desired so long as it is available when needed, and is adapted in all respects to the course requirements; but in order to

avoid the accumulation of heterogeneous material in the store room, the department will not receive any article for credit at the end of a course that was not originally dispensed from the regular stock. Since a large part of the apparatus carried in the store room is imported free of duty for use in the University laboratories only, the department does not relinquish title to the material taken out, but considers the transaction as a loan, with the understanding that unused material is to be returned for credit in all cases.

All returnable material, as well as unused portions of coupons, are redeemable at the close of the laboratory work in any course at their charged value, and cash balances are collected or returned as the case may be.

The approximate cost of the laboratory courses outlined above is as follows: General Chemistry, $10; Analytical Chemistry, $15 to $20; Organic Chemistry, $15 to $20. In addition to the $10 deposit each student is required to purchase one or more of the one dollar coupons at the time enrollment is made.

It is especially to be noted that these deposits are to be made preliminary to enrollment in laboratory courses. There should, therefore, be due provision on the part of the student for the prompt payment of the amounts in order that no hardship may be incurred by the delay that otherwise must follow.

ECONOMICS AND SOCIOLOGY

Professor YOUNG Professor GILBERT
Assistant Professor ROBBINS

The functions of a university department of economics and sociology are determined by the fact that human welfare interests have become the dominant concern of the constructive thought and purpose in society at large. Multitudinous movements for effecting adjustments in the economic and social order are bent on applying principles of economics and sociology. For this social situation this department should have some distinctive vantage ground recommending it for service in a modest way as mentor among the agencies aiming at the reorganization of the social order.

In the work of the department there should, therefore, be represented: First, fully organized and well-supported commonwealth service activities; and second, courses for the preliminary training of all students ambitious to be able to give account of themselves for constructive service as citizens.

The commonwealth service activities of the department are set forth elsewhere.

The courses of this department are planned to meet the needs of the following classes of students:

I. Those who wish a twentieth century preparation for the professional study of law, journalism, the ministry or business.

II. Students who are preparing for public or social service.

III. Those who are intending to teach civics, economics and sociology in the high schools of the State.

IV. Those who wish the training necessary for highest usefulness as citizens.

Students of classes I, II and IV will normally major in this department, taking a course that leads to an A. B. degree. The departmental requirement of majors comprises the following courses:

Economic History	4 hours
Principles of Economics	6 hours
Principles of Sociology	6 hours
Two advanced courses taken throughout year	10 or 12 hours
Thesis course	4 hours

Students of class III will be expected to take the following courses:

Economic History	4 hours
Principles of Economics	6 hours
Principles of Sociology	6 hours

ECONOMICS AND SOCIOLOGY

I. Primarily for Undergraduates

1. **Economic and Social History of England**—This course is introduced with a sketch of the social and industrial evolution of mankind to the stage represented by the inhabitants of England at the time of the Saxon invasion. The nature of the social and industrial organization of the English people is traced through its successive modifications down to the present time, and the influences affecting it identified. Industrial development on the continent is at each stage brought into comparison with that of the English people. Textbook, assigned readings, and exercises Tuesday and Thursday at 11 and 2. Assistant Professor Robbins.

Two hours, first semester.

2. **The Economic and Social History of the United States**—The development of the characteristic lines of agriculture, industry, and commerce in the United States is studied and the interaction between this economic development and the political and social institutions noted. Tuesday and Thursday at 11. Assistant Professor Robbins.

Two hours, second semester.

3. **The Principles of Economics**—The principles that underlie the different economic relations and institutions are developed and applied. The elements in the more important economic problems are pointed out. Textbook, assigned readings, and exercises. Monday, Tuesday and Thursday at 8; and Tuesday, Thursday and Friday at 10. Professor Gilbert.

Three hours, both semesters.

4. **The Principles of Sociology**—The influences and factors determining human life in association are studied. A comprehensive view of the social process is developed. The relations and the organization characterizing progressive society are identified and their reactions on the mental life of the individual are investigated. Monday, Wednesday and Friday at 9. Professor Young. *Three hours, both semesters.*

II. For Advanced Undergraduates and Graduates

5. **Labor Problems**—Treats of the conditions under which wage earners work since the advent of the industrial revolution. Topics upon which especial emphasis will be placed are: Growth of trade unionism, strikes, lockouts, arbitration and conciliation, industrial accidents and diseases, workmen's compensation, remedial legislation. Open to students who have completed either the Principles of Economics or Principles of Sociology. Monday, Wednesday and Friday at 9. Assistant Professor Robbins. *Three hours, first semester.*

11. **Public Finance**—It is the aim of this course to ascertain principles of public expenditure, public revenue, budgetary legislation, financial organization, and public indebtedness. These principles will then be applied to concrete problems connected with corporation, railway, mortgage and insurance taxation, and double taxation, and the income, the personal property and inheritance taxes. Monday, Wednesday and Friday at 11. Professor Gilbert. *Three hours, both semesters.*

13. **Money, Banking and Economic Crises**—The principles of economics are applied to modern monetary systems with the view of developing policies of improvement. The conditions attending the development of industrial and monetary crises are analyzed. Tuesday and Thursday at 2. Professor Gilbert. *Two hours, both semesters.*

15. **History of Economic Thought**—The interactions between the ideas pertaining to economic interests and the conditions of economic life, also the relations between the economic thought and the philosophical speculations of successive epochs are traced. The existing schools of economic thought are defined. Monday, Wednesday and Friday at 9. Professor Gilbert. *Five hours, first semester.*

16. **Distribution of Wealth**—An historical and comparative study of the theories of leading economists. Tuesday and Thursday at 9. Professor Gilbert. *Two hours, second semester.*

17. **Railway Economics**—A study of the transportation agencies as factors in the modern economic and social order, with special emphasis on the principles of rate making and rate regulation and railway finances. Tuesday, Thursday and Friday at 10. Professor YOUNG. *Three hours, first semester.*

18. **Economics of Business Organization**—A study of the development of the forms of business organization, the promotion and financing of modern enterprises, and their relation to the control of industry as to prices fixed and practices followed, and the distribution of wealth. Tuesday, Thursday and Friday at 10. Professor YOUNG. *Three hours, second semester.*

19. **The University and the Commonwealth**—Theses course for seniors in Economics and Sociology. Seminar Monday at 10. Library hours for research fixed by special arrangement. Professor YOUNG. *Two hours, both semesters.*

21. **Socialism**—Lectures and class discussions in which Socialism as a program for social reform is subjected to critical analysis. Some of the leading topics are: The Utopians and Their Influence; Rise of Scientific Socialism, Socialism in the United States, Socialism as a Political Propaganda, and Socialism in the Light of Social Progress. Open to students who have completed either the Principles of Economics or Principles of Sociology. Monday, Wednesday and Friday at 11. Assistant Professor ROBBINS. *Three hours, second semester.*

24. **The Evolution of Our Social Order**—The philosophy of social progress and the evolution of our institutions are studied, using the principle of natural selection adapted to this higher end as the key. Professor YOUNG.

Two hours, first semester.

25. **Social and Economic Reconstruction**—Human welfare standards are developed and applied to the features of our present order of production and consumption of wealth with the view of determining the reconstruction necessary to eliminate waste and inhumanity. Professor YOUNG.

Two hours, second semester.

26. **Municipal Administration**—The principles of municipal organization and administration will be developed and the adaptation of them to the different classes of Oregon municipalities will be pointed out. *Two hours, first semester.*

27. **Municipal Finance**—The revenues and expenditures, the accounting systems and the budgetary practices of Oregon municipalities will be studied in the light of the principles of municipal finances. All aspects of the financial conditions and policies of Oregon cities will be inquired into.
Two hours, second semester.

28. **Problems of Normal Municipal Development and Planning in Oregon.** *Two hours, second semester.*

29. **Charities and Corrections**—This is a general course for those wishing to gain a knowledge of the causes of poverty, methods of caring for dependents and defectives, causes and prevention of crime, treatment of adult and juvenile offenders, and constructive measures bearing upon social maladjustment. Open to juniors and to sophomores who are taking either Principles of Economics or Principles of Sociology. Assistant Professor ————. *Three hours, first semester.*

30. **Woman and Social Progress**—An analysis of the biological and psychic factors in the social evolution of woman. Special attention is given to the institution of the family and to such problems as woman and political freedom, woman and industrial freedom, etc. Open to juniors and to sophomores who are taking either Principles of Economics or Principles of Sociology. Assistant Professor ————. *Three hours, second semester.*

31. **Immigration and Race Problems**—A series of lectures and class discussions centering about the influx of immigrant people into the United States. The sociological, economic, and political aspects of the question will be treated from an impartial standpoint. Open to juniors and seniors who have had either Principles of Economics or Principles of Sociology. Assistant Professor ROBBINS. *Two hours, first semester.*

32. **Standard of Living**—A series of lectures and class discussions treating of the principles which determine the standard of living of societies, of social groups, and of families. Recommended especially to students interested in social service. Open to juniors and seniors who have had either Principles of Economics of Principles of Sociology. Assistant Professor ROBBINS.
Two hours, second semester.

EDUCATION

Professor SHELDON Professor AYER Mr. BROECKER
Professor STETSON Professor DE BUSK

It is the aim of this department to offer a group of courses which will acquaint the student with the results and methods of work in all the important departments of modern pedagogy. This work is fundamental to students in the School of Education. The State law stipulates 15 hours in Education as a part of the requirements for certification of high school teachers. Owing to the advanced nature of the courses, with the exceptions of Courses 1 and 2, students will not ordinarily be admitted to the classes in pedagogy until the beginning of the junior year. Students should consult with the Department of Education before planning courses leading into the teaching profession.

A more detailed statement of the work of the department and the School of Education may be obtained by referring to the announcement of the School of Education in this catalog.

1. **Principles of Education**—An introduction to the general field of education. Treats of the following and related topics: Biological, psychological and sociological bases of education; educational aims, values and agencies; formal discipline; public school curricula, and teachers' training courses. Not open to freshmen. Professor AYER.

Three hours, repeated each semester.

2. **History of Modern Education**—This course includes the reading and discussion of the fundamental books in modern pedagagy, such as Rousseau's Emile, Froebel's Education of Man, Spencer's Education, etc. Tuesday and Thursday at 9. Professor SHELDON. *Three hours, repeated each semester.*

3. **Educational Psychology**—Application of the fundamental principles of adult psychology to educational problems. Types of learning, reflective thinking, how to study, etc. Monday, Tuesday and Thursday at 8. Professor STETSON, Professor DEBUSK. *Three haurs, second semester.*

4. **Genetic Psychology**—A study of the normal, mental and physical development of the individual through the chief growth periods. The more important mental characteristics of each period are emphasized, and the chief influences contributing to the development of personality are considered. Monday, Tuesday and Thursday at 8. Professor STETSON and Professor DEBUSK. *Three hours, first semester.*

5. **Secondary Education**—History, organization and administration of secondary education in America; training of secondary teachers. School management applied to secondary schools. In addition to the regular work of the course, the librarian of the University will present the topic of the high school library, the Department of Physical Training will present the hygienic problems of the high school, and outside lecturers will discuss the athletic and social problems of the high school. Prerequisite for practice teaching in secondary subjects. Monday, Wednesday and Friday at 9. Professor SHELDON.
Three hours, repeated each semester.

7. **Observation of Teaching**—Observation work in University demonstration school and in other secondary schools. Outlines of class and school management and technique of instruction. Reports and class discussions. Required of all prospective teachers and a prerequisite for supervised teaching. Professor STETSON. *Two hours, repeated each semester.*

8. **School Administration**—State, county, town, township and district organization. The city school district and its problems of organization, administration, supervision, instruction and measurement. Reorganization of county and State school administration. Professor AYER.
Three hours, first semester.

9. **Organization of Common School Curricula**—Historical background. Principles underlying the development of school curricula. The State course of study. Measurement of school achievement. Administration of elementary school curricula. Changing aims and subjects. Professor AYER.
Three hours, second semester.

12. **Supervised Teaching**—In University demonstration school and in local secondary schools. This work is under the direction of the department. Students should apply through the Registrar for this course during the preceding semester. General announcements and directions will be posted on the bulletin board in the Education Building. Repeated each semester, students to register for one semester only. Prerequisites, six hours in education, including observation of teaching and senior standing. Professor STETSON, Mr. BROECKER and Mr. ————. *Four or five hours, repeated each semester.*

FOR GRADUATES AND ADVANCED STUDENTS

Other courses involving historical and sociological consideration of education are offered to graduate students beginning with 1914. See the announcement of the School of Education.

15. **Experimental Education**—Presents the methods of statistical analysis. A survey of experimental and statistical investigations of school problems. Typical studies in such fields as retardation, the measurement of school achievement in special subjects, etc. A number of selected school surveys will be studied. Professor AYER. *Three hours, first semester.*

16. **Philosophy of Education**—Advanced aim and purpose of education, criticism of fundamental characteristics of present-day systems, consideration of the moral education movement, education from the standpoint of the individual, society and the species. Prerequisite: Education 1 and 2. Professor AYER. *Two hours, both semesters.*

17. **Clinical Child Psychology**—A study of methods employed in the diagnosis of normal and exceptional children. Aspects of mental and physical development of the individual with particular reference to retarded and abnormal school children. Study of literature and clinical examination of cases. Prerequisite: Psychology 1 or Education 3 and 4. Professor DEBUSK.

18. **History of Ancient and Mediaeval Education**—Lectures and analysis of source material. Not given in 1916-17. Professor SHELDON. *Three hours, first semester.*

19. **History of Education in England from the Sixteenth Century** — This course includes a survey of the main lines of English culture development, but treats mainly of the growth of state education in the nineteenth century. Not given in 1915-16. Professor SHELDON.

20. **History of Education in Germany from the Sixteenth Century** — Similar in scope to preceding. Reading knowledge of German is highly desirable in this course. Professor SHELDON. *Three hours, first semester.*

21. **History of Education in America**—Lectures, reports and discussions. Knowledge of American history a prerequisite. Professor SHELDON. *Three hours, both semesters.*

22. **Education Club and Seminar**—Reports of current educational meetings, book reviews, discussion of special topics investigated by members. Professor SHELDON.
Two hours, each semester.

The Department of Education recommends the following courses to students preparing for high school positions:

Sophomore Year—History of Education (Course 2), two semester hours; Principles of Education (Course 1), two semester hours; Psychology is also advisable, but does not count as education.

Junior Year—Educational Psychology (Course 3), three semester hours; Secondary Education (Course 5), three semester hours; Observation of Teaching (Course 7), two semester hours.

Senior Year—Practice Teaching (Course 12), four or five semester hours.

These courses in education will all be given during the second semester, 1915-16.

ENGLISH

RHETORIC AND AMERICAN LITERATURE

Professor BATES Professor THACHER Mrs. PARSONS
Miss BURGESS Miss PERKINS Miss TURNEY Mrs. REBEC

RHETORIC

At the beginning of the year all freshmen in the Colleges of Literature, Science or the Arts are enrolled in the sections of English 1. The first three sessions of these classes are devoted to written work, through the examination of which, supplemented by personal conferences, an opinion is reached as to the proficiency of each student in the matter of English composition. In accordance with the evidence thus secured, students are classified as follows:

A. A small percentage of students showing a very high degree of proficiency are released entirely from the requirements of English composition.

B. A second group (approximately those of an S grade) are excused from Course 1, but are required to elect two hours of English composition in each semester from Courses 4 or 5, or other courses open to freshmen. However, any student from this group may be required to take certain of these courses as his individual needs may seem to demand.

C. The larger number of students will take Course 1. A small percentage from this group, whose work is especially good, may be permitted to take an elective course the second semester.

D. Students whose use of written English is manifestly of a poor quality will be required to take the work in Course 3 one semester. In the second semester they will be admitted to Course 1.

The same regulations will apply to freshmen entering at the beginning of the second semester.

All students entering advanced college classes must be accredited with English done elsewhere or comply with the entrance requirements here, through examination or work in class.

1. **English Composition**—A study of the elements of effective prose, with analysis of illustrative extracts; constant training in writing and frequent consultations. A textbook will be used. Required for freshmen. Professor BATES, Professor THACHER, Mrs. PARSONS, Miss BURGESS, Miss PERKINS, Miss TURNEY, Mrs. REBEC. Monday, Tuesday and Thursday at 8; Monday, Wednesday and Friday at 9; Tuesday, Thursady and Friday at 10; Monday, Wednesday and Friday at 11. *Three hours, both semesters.*

2. **English Composition**—A repetition of Course 1 in alternate semesters. *Three hours, both semesters.*

3. **English Composition**—More elementary than Courses 1 and 2. Designed to meet the needs of freshmen in group D (see above). *Three hours, first semester.*

4. **English Composition**—Especial attention given to exposition. A periodical will be used for illustrative material. Open to freshmen in group B (see above). Two sections. Professor BATES, Miss BURGESS. *Two hours, first semester.*

5. **English Composition**—Similar in character to 4, except that the emphasis is placed on argumentation. Open to freshmen in group B. Three sections. Professor BATES, Professor THACHER, Miss BURGESS. *Two hours, second semester.*

6. **Commercial English**—Instruction and practice in business letter writing of all kinds—circulars, prospectuses, etc. Open to freshmen in group B. Professor THACHER. *Two hours, first semester.*

7. **Advertising**—The writing and preparation of advertising copy, based upon a study of advertisements in current newspapers and magazines. Articulates with Course 5. Those desiring to enter this course should have taken Applied Psychology, Course 10. Professor THACHER. *Two hours, second semester.*

8. **Theme Writing**—The *Atlantic Monthly* course. The magazine is taken by each member of the class and is used to provide illustrative matter as well as a source of thematic material. Professor THACHER. *Two hours, both semesters.*

9. **Daily Themes**—Daily short papers and longer fortnightlies. In the second semester an extended paper of several chapters will be required. This course is open to a limited number of students who have shown unusual aptitude for writing. Not given in 1915-16. *Three hours, both semester.*

10. **Essay Writing**—An advanced course in composition, especial attention being given to the essay. Tuesday and Thursday at 9. Miss BURGESS. *Two hours, first semester.*

11. **Short Story Writing**—For those who, in previous courses, have evidenced an aptitude for writing the short story. Typical short stories, both classics and those from the current periodicals, are analyzed, and the actual production of short story work is undertaken. Professor THACHER.

Two hours, first semester.

12. **Short Story Writing**—Open only to those who have taken Course 11 with credit, or who may otherwise give evidence of talent as writers of fiction. In this course especial attention is given the standards and policies of contemporary magazines, and an attempt is made to produce marketable work. Professor THACHER. *Two hours, second semester.*

13. **Technique of Poetry**—Distinctions between prose and poetry; the standard metrical forms; modern free verse; studies in the technique of Shelley, Tennyson and Swinburne; constant practice in actual versification. Professor BATES.

One hour, both semesters.

14. **Advanced Writing**—A course of seminar character. Open only to advanced students who desire to become professional writers. Professor THACHER.

One hour, both semesters.

15. **Technique of the Drama**—Study of the various forms of the drama, Classical, Shakespearian and Modern; analysis of dramatic situations; practice in writing scenarios, dialogues, scenes and short plays. Open to juniors and seniors. Monday, Wednesday and Friday at 1. Professor BATES.

Three hours, first semester.

16. **Technique of the Drama**—A continuation of Course 15. Professor BATES. *One hour, second semester.*

19. **Nineteenth Century Literary Critcism**—The object of the course is to give the student a personal appreciation of literary values. With this end in view the critical ideals of the following authors will be studied: Wordsworth, Coleridge, Shelley, Poe, Arnold, Swinburne, Ruskin, Pater, Brownell, Babbitt, More, Woodberry and Santayana. Professor BATES.
Two hours, second semester.

20. **Modern Prose Style**—A study of the best in modern prose. Practice in writing from models. Professor BATES.
Two hours, first semester.

26. **Translation**—The aim of this course is to bring out the distinctive qualities of the English language through a comparative study of the best prose and verse translations of foreign classics. Students will themselves undertake the translation of simple passages from foreign writers. A working knowledge of one foreign language is required. Professor BATES. *Two hours, second semester.*

52. **The Teaching of English**—Lectures and papers. Required of all seniors who expect to teach English. Open only to graduates and advanced undergraduates. Professor THACHER.
Two hours, first semester.

53. **Criticism**—This course will correlate with work in journalism and will be required for juniors majoring in journalism. It will afford practice in the writing of musical, dramatic, art and literary criticism. Tuesday and Thursday at 1. Mrs. PARSONS. *Two hours, both semesters.*

AMERICAN LITERATURE

59. **American Literature**—A study of American literary history up to about the year 1830. The Colonial, Revolutionary and early Republican periods will be covered, and among the writers read and discussed, Franklin, Freneau, Brockden-Brown, Irving, Cooper and Bryant. Open to freshmen. Tuesday and Thursday at 9. Miss PERKINS. *Two hours, first semester.*

60. **American Literature**—From 1830 to the present time, Emerson, Whitman, Poe, Hawthorne, Lanier and the New England poets, together with an historical and critical study of the different poetical and prose forms as they have appeared in American literature. Tuesday and Thursday at 9. Miss PERKINS. *Two hours, second semester.*

61. **The American Short Story**—A study of the development of the short story, as exemplified in Irving, Poe, Hawthorne, Bret Harte, Mark Twain, Howells, James, Joel Chandler Harris, Mary Wilkins Freeman and others. Open only to graduates and advanced undergraduates. Tuesday and Thursday at 11. Miss PERKINS. *Two hours, second semester.*

66. **Emerson**—The influence of Plato, Goethe, Coleridge, Carlyle and others upon Emerson; parallels with Marcus Aurelius, Epictetus; the effect of Emerson upon modern thought. Reading from poems, essays, Representative Men and English Traits. Miss BURGESS. *Two hours, first semester.*

68. **The West in American Literature**—Beginning with Cooper's Pioneer, Irving's Astoria, and Parkman's Oregon Trail, a tracing of the Westward movement as recorded in literature. Eggleston, Riley, Mark Twain, Bret Harte, Joaquin Miller. Miss BURGESS. *One hour, second semester.*

72. **Contemporary American Poetry**—Students in this course will examine recent poetry with a view to collecting, editing and presenting the work of their especially assigned authors. Tuesdays and Thursdays at 11. Mrs. PARSONS. *Two hours.*

73. **American Poets**—A survey based upon C. H. Page's "The Chief American Poets," but including some selections not found in that book; the aim being to form some definite notion as to the scope of each man's work, the characteristic features of his style and the central ideas embodied in his poetry. Open to freshmen by permission of the instructor. Not given in 1915-16. *Two hours, first semester.*

74. **American Novels**—The reading and discussion of certain latter day American novels of note for their presentation and suggested solution of typical American problems; the aim being not only to gain some definite notion as to the essentials

of a really good novel, but also to formulate the essentially American point of view. In 1914-15 Mr. Robert Herrick's "The Common Lot," Miss Mary Johnston's "Hagar," Mrs. Deland's "The Iron Woman," Mr. Winston Churchill's "The Inside of the Cup," and several others formed the basis of the regular class work, supplemented by lectures, recommended readings, and oral reports. Open to freshmen by permission. Not given in 1915-16. *Two hours, second semester.*

75. **Edgar Allan Poe; a Study of Romantic Pessimism**—The background of Romanticism; Poe's life and temperament; his relations with other American writers; his work in poetry, the short story, and criticism; his influence on later Romanticism. Lectures and discussions. Monday, Wednesday and Friday at 2. Professor BATES *Three hours, first semester.*

76. **Walt Whitman; a Study of Romantic Optimism**—Transcendentalism; the ideals of democracy; Whitman's great program; his degree of attainment; his influence on the literature of today. Lectures and discussions. Professor BATES. *Three hours, first semester.*

ENGLISH LANGUAGE

21. **Anglo-Saxon Literature in Translation**—The great works of Anglo-Saxon poetry and prose will be read in standard translations; Beowulf, the poetry of Caedmon and Cynewulf, the prose of Alfred and Aelfric. The readings will be accompanied by lectures giving the student a general knowledge of the Anglo-Saxon basis of the English language. Monday, Wednesday and Friday at 9. Miss PERKINS. *Three hours, first semester.*

22. **Anglo-Saxon**—Grammar and translation of select passages in prose and poetry. The relationship between Anglo-Saxon and living cognate languages will be carefully studied and traced. A knowledge of German will be extremely helpful. Miss PERKINS. *Three hours, both semesters.*

23. **History of the English Language**—A lecture course in the growth and development of the language, including discussions of the different language families, characteristics and

relationship. Consonant shifts. Teutonic group characteristics. Native and foreign linguistic elements. Miss PERKINS.

Two hours, first semester.

24. **English Phonology**—Principles of Phonetics. Development of English vowel and consonant systems. Miss PERKINS.

Two hours, second semester.

25. **Chaucer and Other Middle English Literature**—A reading course in the best of Chaucer's Tales and other poems, the Vision of Pears Plowman, The Pearl, Sir Gawain and the Green Knight. The literature will be studied in connection with the other art work of the period and illustrated by constant reference to medieval customs. Miss PERKINS.

Two hours, second semester.

MODERN ENGLISH LITERATURE

Professor HOWE Miss WATSON Miss BELL

More courses are given in the department than any one student is permitted to take, and opportunity is offered to map out work in more than one field. All students wishing to make modern English literature a major are therefore requested to consult the head of that department.

31. **Outlines of English Literature**—Anglo-Saxon literary development, characteristics of the heathen, transitional and Christian epochs. The influence of the Norman Conquest, the subsequent revival of literature and its later growth. The entrance of different literary elements and forms. The work will consist of lectures, recitations and reports. Monday, Wednesday and Friday at 2. Professor HOWE.

Three hours, one semester.

32. **Outlines of English Literature**—From Edmund Spenser to the present. A laboratory course, in which the student will read the literature, instead of reading about it. This aim is to lead the student, as far as possible, to gain his knowledge of each epoch from his own reading of selected works or represen-

tative authors. This work is supplemented by lectures and interpretative readings. Monday, Wednesday and Friday at 2. Professor HOWE. *Three hours, one semester.*

Courses 31 and 32 are intended as a survey of the entire field of English Literature and will be given each semester.

34. **Scottish Poets**—A study of early Scottish poetry. Poems of Bruce, Barbour, Henryson, and The Tail of Rauf Coilyear will be read and discussed as representative of the later expression of Northumbrian poetry. Southern Chaucerian imitators. *Two hours, one semester.*

35. **History of English Epic and Lyric Poetry**—This course is intended to serve as an introduction to the field of epic and lyric poetry. With course 36 it aims to cover the three great lines of development in the English verse. *Two hours, first semester.*

36. **History of English Drama**—This course will be introduced by a survey of the greater epochs of the drama in literary history, after which it will proceed to the discussion of the beginnings and subsequent development of the drama in English. *Two hours, second semester.*

37. **Wordsworth**—A study of the best-known poems of the author, in such order as to illustrate the power, scope, and characteristic beauty of the author. Tuesday and Thursday at 11. Professor HOWE. *Two hours, first semester.*

38. **William Morris**—A study of the life and writings, both prose and verse, sufficient to give the student a fair comprehension of the meaning and importance of Morris. Tuesday and Thursday at 11. Professor HOWE. *Two hours, second semester.*

(Courses 37 and 38 are given in natural sequence, but may be taken separately. They are open to Freshmen, and required in Sophomore year of such students taking a major in the department as did not take them in freshman year.)

39. **Shelley**—A study of the more important works in their order as written, and elucidated by some study of Shelley's life, illustrative of his system of thought and significance in

the literature. For graduates and advanced undergraduates. Monday, Tuesday and Thursday at 8. Professor HOWE.

Three hours, first semester.

40. **Browning**—A study of the Ring and the Book, followed by systematic examination of a number of the important short poems. The aim is first, to give the student facility in reading Browning understandingly, and secondly, to acquaint him with the range of the author's thought and sympathies. For graduates and advanced undergraduates. Monday, Tuesday and Thursday at 8. Miss WATSON. *Three hours, second semester.*

41. **The Georgian Poets**—Wordsworth, Coleridge, Southey, Scott, Byron, Shelley, Keats, Hunt, Hood, Landor. For graduates and advanced undergraduates. Tuesday, Thursday and Friday at 10. Professor HOWE. *Three hours, first semester.*

42. **The Victorian Poets**—Browning, Barrett-Browning, Tennyson, Rossetti, William Morris, Swinburne, Matthew Arnold, DeVere. For graduates and advanced undergraduates. Tuesday, Thursday and Friday at 10. Professor HOWE.

Three hours, second semester.

43. **Edmund Spencer**—A study of the Shepherd's Calendar and the later books of the Faerie Queen. Not given in 1916-17. Professor HOWE. *Two hours, first semester.*

44. **Milton**—Paradise Lost entire, Paradise Regained, and Samson Agonistes. For graduates and advanced undergraduates. Tuesday and Thursday at 9. Miss WATSON.

Two hours, first semester.

45. **Shakespeare**—The comedies and historical plays. Two sections: Monday, Wednesday and Friday at 9 and 2. Miss WATSON. *Three hours, first semester.*

46. **Shakespeare**—The tragedies. Two sections: Monday, Wednesday and Friday at 9 and 2. Miss WATSON.

Three hours, second semester.

(Courses 45 and 46 will hereafter constitute a prerequisite to Course 57, in the critical study of Shakespeare.)

47. **The Contemporaries of Shakespeare** — The important Elizabethan and Jacobean dramatists. For graduates and advanced undergraduates. Tuesday and Thursday at 9. Miss WATSON. *Two hours, second semester.*

48. **English Prose Writers (not novelists) of the Nineteenth Century**—Ruskin will be read in class, with Matthew Arnold, Newman, etc., as collateral reading. For graduates and advanced undergraduates. Monday, Wednesday and Friday at 1. Miss WATSON. *Three hours, first semester.*

49. **English Prose Writers (not novelists) of the Nineteenth Century**—Carlyle will furnish the class text, but De Quincey, Macaulay and Landor will also be studied. For graduates and advanced undergraduates. Monday, Wednesday and Friday at 1. Miss WATSON. *Three hours, second semester.*

50. **English Prose Writers of the Eighteenth Century**—Gibbon, Burke, Samuel Johnson, Boswell, Hume, Smollett, Goldsmith, Fielding. Professor HOWE. Not given in 1916-17. *Two hours, both semesters.*

51. **Social Problems in the English Novels**—The attempt to use the novel in the cause of various reforms. Dickens, Charles Reade, Charles Kingsley, Macdonald, and other nineteenth century writers will be considered, also existing tendencies in the work of John Galsworthy, Mary E. Mann, Arnold Bennett, Mrs. Humphrey Ward, etc. For graduates and advanced undergraduates. Monday, Wednesday and Friday at 11. Miss WATSON. *Three hours, both semesters.*

52. **Living English Writers**—The Poets. Kipling, Meredith, Watson, Yeats, Stephen Phillips, Davidson, and others. For graduates and advanced undergraduates. Monday, Tuesday and Thursday at 8. Professor HOWE. Not given in 1916-17. *Three hours, first semester.*

53. **Living English Writers**—Prose. The essay, drama, and novel will be examined. For graduates and advanced undergraduates. Monday, Tuesday and Thursday at 8. Professor HOWE. Not given in 1916-17. *Three hours, second semester.*

54. **The Relation of English to Contemporary European Literature, During the Last Twenty-five Years**—The drama. For graduates and advanced undergraduates. Professor HOWE.

Three hours, first semester.

55. **The Relation of English to Contemporary European Literature, During the Last Twenty-five Years**— The novel. For graduates and advanced undergraduates. Professor HOWE.

Three hours, second semester.

(Courses 52-53 and 54-55 are given in alternate years. During 1916-17 the courses given will be 54-55.)

56. **Seminar in English Literature**— The course is preparatory to the writing of the thesis, and is required of all seniors and graduates taking a major in English Literature and intending to teach. Professor HOWE. *Two hours, both semesters.*

57. **A Critical Study of Shakespeare and of His Critics**—A limited number of plays will be examined in the light of the critics. Courses 45 and 46 are prerequisite to this course. For graduates and advanced undergraduates. Miss WATSON.

Three hours, both semesters.

58. **Survey of English Critics**—A course intended to familiarize teachers with the epoch-making critical work in the literature. Open only to graduate students. Professor HOWE.

Three hours, both semesters.

63. **The Teaching of English**—Lectures and papers. Required of all who expect to teach English. Open only to graduates and advanced undergraduates. Professor HOWE.

Two hours, both semesters.

64. **The Philosophical Foundations of English Literature**—Bacon, Hobbs, Locke, Berkeley and Hume will be read in class, and selections from the Deists, the Utilitarians, the Evolutionists and the Pragmatists. Open only to graduates and advanced undergraduates. Professor HOWE. *Three hours, both semesters.*

65a. **The English Novel**—Its evolution and scope, from the Morte D'Arthur to the present, including a study (a) of the Elizabethan novelists Greene, Lodge, Nash, etc.; (b) of the

Augustan novelists, Richardson, Fielding, etc.; (c) of the Georgian novelists, Scott, Jane Austen, The Tale of Terror, etc.; and (d) of the Victorian novelists, Dickens, Thackeray, etc. A lecture course, with collateral reading and papers by the class. For graduates and advanced undergraduates. Tuesday, Thursday and Friday at 10. Professor HOWE.

Three hours, both semesters.

65b. **The English Novel in the Nineteeth Century**—Typical works of Jane Austen, Scott, Dickens, Thackeray, Meredith, and Thomas Hardy are read in class, and an equal amount of outside reading assigned for report and examination. The course is accompanied by expository lectures. Not given in 1916-17.

Three hours, both semesters.

70. **English Poetry**—The four volumes of poems selected and edited by Bronson will be used as a basis for a survey of the development, forms, and achievements of English poetry. Professor HOWE. *Two hours, both semesters.*

Students expecting to teach English must elect 29 hours from the following courses:

	Catalog No. of Course	Semester Hours
English Composition	1 and 2	6
American Literature	59 and 60	4
English Literature (Fresh.)	31 and 32	6
Wordsworth	37	2
Shakespeare (one semester)	45 or 46	3
Teaching of English	52 and 63	4
Teachers' Course in Public Speaking		2
Teachers' Course in Dramatic Interpretation		2
Journalism	2	6

FINE ARTS

Mrs. PENNELL

1. Six courses are offered: (1) Masterpieces of Architecture —ancient and present day; (2) Ancient Sculpture; (3) The Home; (4) Modern Sculpture; (5) Modern Painting; (6) The Appreciation of Prints.

Each course runs through one semester, a half year. Each is a lecture course, three hours each week, giving three credits.

Course (1) gives the history of great buildings, including conditions which called them into being, their structural principles, their purpose and their ornamentation.

Course (3) deals with the site, plan, construction and furnishing of the home, together with something of its administration.

Course (2) has to do with the sculpture of Egypt, Assyria, Greece and Rome. It includes the greatest masters of the art the world has yet seen.

Course (4) presents the work of the most notable sculptors of Italy, Germany, France, England and America.

Course (5) presents the work of the most notable painters of Italy, Spain, France, Germany, Flanders, Holland, England and America.

Course (6) aims to teach the student how to appreciate a wood engraving, a line engraving, an etching, a lithograph. In order to accomplish this, the process of making must be understood, as well as something of the times in which the artist lived, his nationality, surroundings and tastes.

It should be stated with regard to courses (2), (4) and (5), that in the presentation of the subject-matter, only a clear understanding can be gained by including more or less historical data, in addition to some knowledge of the life of the artist.

The University has a constantly increasing number of works on architecture, sculpture, painting, and engraving, together with portfolios of prints and photographs. The architectural department has casts and slides. All courses are open to both men and women.

1. **Masterpieces of Architecture—Ancient and Modern**—Monday, Wednesday and Friday at 9. *Three hours, first semester.*

2. **Ancient Sculpture**—Monday, Wednesday and Friday at 11. *Three hours, first semester.*

3. **The Home**—Tuesday, Thursday and Friday at 10. *Three hours, first semester.*

4. **Modern Sculpture**—Monday, Wednesday and Friday at 9. *Three hours, second semester.*

5. **Modern Painting**—Monday, Wednesday and Friday at 11. *Three hours, second semester.*

6. **The Appreciation of Prints**—Tuesday, Thursday and Friday at 10. *Three hours, second semester.*

GEOLOGY

Professor SMITH Assistant Professor MITCHELL

Mr. WAGNER

Introduction: Courses in General Economic and Field Geology, Paleontology and Petrology are offered as well as a two-year pre-mining course, fitting students to continue their work in the various mining schools of the country, and special training in the subject of Physical Geography, which is the basis for the course in General science now given in the secondary schools. Emphasis is placed on laboratory and field work.

The science of geology is so broad in its scope that all other sciences are made to contribute to it and nearly every activity of man is found to be directly or indirectly affected by it. The courses offered at the University of Oregon may be divided into three general groups: (1) Those designed to equip a student for the profession of geologist in either pure or applied geology; (2) those courses which are to be regarded as accessory to courses in other professions, as those of architecture, such as the study of the materials of construction, or of commerce wherein geographical relations are paramount; and (3) the strictly "culture courses" which are designed to satisfy the needs and tastes of the layman, wherein the intent is rather to "lead the student up onto the heights and not to put him to work

digging a well in some dry and barren spot." A popular study of gems and gem minerals, glimpses into the blurred vistas of the past of plants and animals and the human race, the geographic interpretation of history, the "sermons in stones," and the study of the "medals of creation," will constitute some of the excursions outside the conventional routine of the science.

For the study of the ancient faunas and floras of the State of Oregon, the department is particularly fortunate in having the Condon Collection, which constitutes the life work of the pioneer geologist of the State, Dr. Thomas Condon. During the past year many other important additions in the way of material and apparatus have been made to the department.

For the sake of economy and to avoid duplication of work, this department offers no courses in mining; but a two-year course in pre-mining work in which the student may be prepared for his more specialized work in the last two years, is being instituted.

For those who wish to know just what pecuniary benefits are to be gained from the study of geology, attention is invited to the U. of O. Bulletin on Vocations.

For those who intend to specialize in geology, the following four-year course is required. This outline is the result not only of the teaching experience but of the practical professional experience of those who have the geological work in charge.

The methods used in this department involve a few lectures, considerable recitation work, and always actual contact with geological materials and phenomena in the laboratory and the field. There is no "royal road to learning," much less is there a short cut to proficiency in a subject of such practical importance as geology.

COURSE OF STUDY REQUIRED OF STUDENTS SPECIALIZING IN GEOLOGY

Freshman 16	Mathematics (1) or (2) comprising Trigonometry and Analytic Geometry 3-5 hours	French or German 3-5 hours	English Composition 3 hours	Personal Hygiene 1 hour	Chemistry 4 hours
Sophomore 15	Biology, including 1 semester of Zoology and 1 semester of Botany—3 hours	French, German or Spanish 3 hours	English Literature 2 hours	Mineralogy or Physics 3 hours	Geology or Physiography 3-4 hours
Junior 13	Descriptive Geometry	Meterology or Spanish 2-3 hours	History or Economics 3 hours	Paleontology (elementary) 2 hours Petrology	Quantitative Analysis and Assaying 3 hours
Senior 14	Field Work, Geology and Field Astronomy 2 hours	Psychology or Philosophy or Sociology 2-3 hours	Technical Writing 1 hour	Paleontology (advanced) 2-3 hours	Economic Geology 3 hours
M. A.	Thesis in Geology	Seminar in Geology, Advanced Geology or Paleontology		Minor in some other subject—Economics, History, etc.	

If possible the entering student should have had good training in LATIN, Physical Geography, Plane and Solid Geometry, Algebra, American and *General History*, Civics and *wide reading* of the world's *best* works of *Biography*, *Travel* and Fiction.

1. **Goelogy**—This course gives a general introductory knowledge of Geology and is designed either for those in other courses who desire an outline of the subject, or to serve as a basis for more advanced work by those who would specialize in Geology. Lectures, collateral reading and field excursions. Monday, Wednesday and Friday at 9, both semesters. One laboratory period of 2 hours for all students—hours to be arranged. (a) Processes and their results—first semester. (b) Historical Geology—second semester. Major students will be required to do extra laboratory work for which an additional credit will be given. *Three or four hours, both semesters.*

2. **Physiography**—A study of the present land forms and the processes and forces which have resulted in these forms. The effect of physiographic features on human development. The laboratory work includes interpretation of topograhpic maps, practice in contour sketching and construction of relief maps. Field excursions: This course is especially designed to prepare teachers of general science in high schools and to give students of history a background for their work. Open to freshmen entering the second semester. Monday, Tuesday and Thursday at 8, and one laboratory period. This course will alternate with a more advanced one taking up the Physiography of Oregon and the United States. *Four hours, second semester.*

3. **Economic Geology**—The geology of the valuable non-metals and metals including their occurrence, association and genesis. In the non-metals particular attention will be paid to materials of construction. Under metals will be considered the methods employed in prospecting and in the developing of ore bodies. Reasons for and methods of conservation of the various mineral resources will be given special emphasis. Prerequisites: Geology 1 and Chemistry 1. Monday and Friday at 10. (a) Metallic Mineral Products—first semester. (b) Non-metallic Mineral Products—second semester.

Three hours, both semesters.

4. **General Mineralogy**—A general study of Crystallography and Physical and Chemical Mineralogy in the first semester, followed by Determinative Mineralogy in the second semester.

The objects of this course are:

(a) Rapid determination of the more common minerals.

(b) Practice in the determination of the less common specimens.

(c) A knowledge of the economic minerals. Prerequisites: General Chemistry. Hours to be arranged. First semester two lectures and one laboratory period. Second semester one recitation and two laboratory periods.

Three hours, both semesters.

5. **Precious Stones and Industrial Minerals**—Short course in minerals and precious stones. A study of the kinds, properties and occurrences of the common minerals particularly those important in industrial operations, with methods for their identification. A history of the world's famous jewels. Discussion of the present sources of supply, methods of mining, valuation, etc. This is designed to be a popular course and, though a knowledge of physics, chemistry and mineralogy would be very desirable, training in these subjects is not a prerequisite. 1 hour a week. *One hour, second semester.*

6. **Petrology**—(a) An introduction to the study of rocks by means of hand specimens following Pirsson's "Rocks and Rock Minerals." Prerequisite: General Mineralogy. One laboratory period and one lecture. Wednesday and Friday at 8.

Two hours, first semester.

(b) Optical Mineralogy: The study of rock minerals by means of thin sections and the petrographical microscope. Special emphasis is laid on the determination of opaque and other economic minerals. Prerequisite: Mineralogy, Geology, Chemistry and Physics. One laboratory period.

Two hours, second semester.

(c) Optical Petrology: The continuation of (b). This course takes up the study of rocks of all kinds and their identification by means of thin sections. Laboratory work in the making of thin sections. *Two hours, both semesters.*

7. **Field Geology**—A general course in geologic mapping and survey methods. The first part will be devoted to a study of survey organization, various past and present state and private surveys, special problems connected with survey methods

and a study of the theory of various field operations. The second half will be devoted to the topographic and geologic mapping of an assigned area. Prerequisites: Geology 1, 3, 4 and 6. Some knowledge of Astronomy preferable. Saturday 8 to 12. A written report will be required in this course.

Two hours, second semester.

8. **Paleontology**—A preliminary course using Shimer's Introduction to the Study of Fossils. Special attention will be given to the Pacific Coast Mesozoic and Cenozoic material. Prerequisites: Geology 1 and Biology. Hours to be arranged.

Two hours, both semesters.

9. **Advanced Paleontology**—Special work assigned to suit the needs and advancement of the students applying, using Zittel-Eastman's Textbook of Paleontology. Zoology a prerequisite. *Hours to be arranged, either semester.*

9a. **Vertebrate Paleontology**—Special work in Vertebrate Paleontology will be given to those applying, provided they have had the required preparation in Zoology.

Two hours, one semester.

10. **Advanced Geology**—A more thorough investigation of the principles of Geology with reference to structure, ore deposits, etc., together with a study of the folios of the geological atlas of the United States and other literature.

Two hours, one semester.

N. B.—This course will alternate with one devoted especially to Oregon Geology.

11. **Advanced Geography**—A study of Geography in its broadest aspects, its aid in the interpretation of history, the geographic factors controlling commercial relations of the various nations with an intensive study of the more important countries, particularly of the United States and its dependencies. Special attention will be given to the study of the Pacific Ocean and the countries bordering thereon. Gregory's "Commercial and Physical Geography" will be used as a text and the current numbers of the standard geographical journals will be consulted. Tuesday and Thursday at 11.

Two hours, both semesters.

12. **Geology of Structural Materials**—A short course, designed especially for students in Architecture, in the geology and mineralogy of structural materials. Open to Freshmen. *Two hours, second semester.*

13. **Technical Writing**—This course, which will be given in cooperation with the English department, will be conducted as a part of the regular work for juniors and seniors majoring in Geology and other students who may care to elect this course. *One hour, either semester.*

14. **Field Astronomy**—This course will be given as the introductory part of the course in Field Geology for advanced students in Geology. The time will be devoted largely to such operations as the determination of latitude, longitude and azimuth, and also some instruction in the measurement of base lines, primary control by means of triangulation and practice in the use of the plane table. Professor MCALISTER. *Two hours, one semester.*

15. **Seminar**—Open to advanced major students of this and related departments for the consideration of research material and a review of current technical literature. *One hour a week.*

16. **Graduate Courses by Arrangement.**

EQUIPMENT

In the department of Geology the University of Oregon has a fine collection of illustrative material contained in the well-known Condon "cabinet." This cabinet is especially rich in fossil remains and represents the fruits of over forty years of continuous exploration in the Oregon country by its pioneer geologist. The remains of many extinct animals such as the mammoth, the mastodon and the three-toed horse, as well as the implements of prehistoric man, make this collection strictly characteristic of Oregon's own geological record.

The University is also well supplied with characteristic mineral and rock specimens, part of which were collected by Professor Condon and part acquired from other sources. For example, the plaster cast of the Willamette Meteorite was

presented by Mr. A. S. Pattullo, of Portland, Oregon, and the Educational Series of Rocks was prepared by the United States Geological Survey. The museum is open to receive other specimens as gifts or loans, the University believing that such material is made of great service to the world at large if placed with some institution.

The following courses in this department are required for teachers of Physical Geography and introductory Science:

	Catalog No. of Course	Semester Hours
Geology (cannot be entered second semester)	1	6
Physiography (second semester)	2	4

GERMANIC LANGUAGES AND LITERATURE

Professor SCHMIDT — Professor THORSTENBERG
Mr. O'DONNELL — Miss BASLER

The aim of the instruction in the department is primarily to enable students to use modern German with facility in reading, writing, and, as far as practicable, in speaking, and to acquaint them with the masterpieces in German literature. A number of courses are conducted entirely in German and students are encouraged to use German as the language of the classroom as much as possible.

Opportunity is also given for graduate courses in Germanic languages. These are intended especially for students who desire to make the teaching of these languages their profession, or who expect to take an advanced degree in them. Careful attention is given to the linguistic as well as to the literary training of the student, aiming at a comprehensive insight into the historical growth of the Germanic languages and literature.

The German Club (Verein Germania) is intended for students who are interested in conversation and lectures on German life and customs. From time to time programs are arranged to give students an insight into the musical and dramatic life of Germany. Students must have had several years of German before they are eligible to membership. Meetings take place twice a month.

SUGGESTED COURSE OF STUDY FOR STUDENTS SPECIALIZING IN GERMAN

FRESHMAN

First Semester		Second Semester	
Subject	*Hours*	*Subject*	*Hours*
German	5	German	5
English	3	English	3
Science	3-4	Science	3-4
History	3	History	3
Personal Hygiene	1	Personal Hygiene	1

SOPHOMORE

First Semester		Second Semester	
Subject	*Hours*	*Subject*	*Hours*
German	4	German	4
Language	3-5	Language	3-5
English Literature	3	English Literature	3
*Education (Principles of Education or History of Education)	2	*Education (Principles of Education or History of Education)	2
Elective	2	Elective	2

JUNIOR

First Semester		Second Semester	
Subject	*Hours*	*Subject*	*Hours*
German	3-5	German	3-5
Language	3-4	Language	3-4
Elective	3-5	Elective	3-5
(Suggested: Philosophy, Economics, Psychology or subjects in some professional school).		(Suggested: Philosophy, Economics, Psychology or subjects in some professional school).	
*Education or Elective	3	*Education or Elective	3

SENIOR

First Semester		Second Semester	
Subject	*Hours*	*Subject*	*Hours*
German	3-5	German	3-5
Practice Teaching	3-5	†Teaching of Modern Languages	2
Elective	5-10	Elective	7-10

*For students intending to teach, 15 hours of work in Education is required.

†Required of those intending to teach German.

Any of the following courses, German 1 to 12, are open to freshmen who have had the prerequisite courses:

I

German Language and Literature

1a. **Elementary German**—The elementary course comprises: Vos's Essentials of German (Henry Holt), new edition; and Huss's German Reader (D. C. Heath); German Composition,

Translation of Easy Prose and Poetry. Special attention is paid to systematic training in pronunciation. The reading of about one hundred and seventy-five pages of graduated texts from a reader is required. Huss's German Reader is used. In addition to this three or four of the following selections will be read: Storm's Immensee, Heyse's L'Arrabbiata, Volkmann's Kleine Geschichten, Maerchen und Erzaehlungen, Seidel's Maerchen, Zschokke's Der Zerbrochene Krug, Ernst's Asmus Semper's Jugendland, etc. Daily at 9 and 11. Professor SCHMIDT, Professor THORSTENBERG. *Five hours, both semesters.*

1b. **Intermediate German**—Review of grammar, conversation and composition. Reading of narrative prose and easy plays. Intended for those who began German in the second semester in the University, or who have had only one year in high school. Daily at 8. Mr. O'DONNELL. *Five hours, both semesters.*

2. **Advanced German**—During the second year the work comprises advanced German Grammar and Composition, Syntax. German conversation (based upon Vos's Material, Manley's Ein Sommer in Deutschland; Bacon's Im Vaterland or some other method) throughout the year. Material to be read is selected from the following list: Heyse's Das Maedchen von Treppi; Baumbach's Die Nonna; Wildenbruch's Das edle Blut; Hillern's Hoeher als die Kirche; Seidel's Leberecht Huehnchen; Frenssen's Peter Moor; Leander's Traeumereien; Meyer-Foerster's Karl Heinrich; Freitag's Die Journalisten; Lessing's Minna von Barnhelm; Schiller's Wilhelm Tell, Goethe's Hermann and Dorothea. The class is expected to read two or three stories and two or three plays during the year. Three divisions, Monday, Tuesday, Thursday and Friday at 8, 9 and 10. Professor SCHMIDT, Professor THORSTENBERG and Mr. O'DONNELL. *Four hours, both semesters.*

3. **Classical Drama**—(a) Goethe's Egmont, Torquato Tasso, Iphigenie auf Tauris; (b) Schiller's Maria Stuart, Jungfrau von Orleans, Wallenstein; (c) Lessing's Minna von Barnhelm, Emilia Galotti, Nathan der Weise; (d) Grillparzer's Sappho; (e) Kleist's Prinz Friedrich von Homburg. Writing of essays in German. Practice in writing German is afforded by means of dictation or similar exercises. Robert's Outlines of the

History of German Literature (Putnam) will be used in connection with this course. Brief lectures in German based upon the above texts, are given once or twice a week in this course. Monday, Wednesday and Friday at 11. Professor SCHMIDT.

Three hours, both semesters.

4. **German Fiction and Contemporary Literature** — During the year some of the following works will be read: Ebner-Eschenbach's Die Freiherren von Gemperlein, Keller's Dietegen, or Kleider Machen Leute; Riehl's Novellen, for example, Burg Neideck, Der Fluch der Schoenheit; Der Stumme Ratsherr, Das Spielmannskind; Scheffel's Ekkehard; Wildenbruch's Der Letzte; Dahn's Sigwalt und Sigridh, Meyer's Gustav Adolph's Page; Sudermann's Der Katzensteg or Frau Sorge; and Auerbach's Brigitta, Frenssen's Joern Uhl, Ernst's Asmus Sempers Jugendland, etc.

Three hours, both semesters.

This course alternates with course 18.

5. **Modern German Drama**— The following dramas will be read: Wildenbruch's Harold, Hauptmann's Die Versunkene Glocke; Sudermann's Johannes, or Heimat; Fulda's Der Talisman or Das verlorene Paradies; Hebbel's Agnes Bernauer or Herodes und Mariamne; Ernst's Flachsmann als Erzieher (Ginn edition), Gutzkow's Zopf und Schwert, Uriel Acosta, etc. Professor THORSTENBERG. *Three hours, both semesters.*

6. (a) **German Poetry** — Goethe's Poems; Schiller's Ballads; Uhland's Poems; White's Heine's Poems; Klenze's Deutsche Gedichte; Hatfield German Lyrics and Ballads, or Kluge's Auswahl Deutscher Gedichte will be used as textbook.

Two hours, one semester.

(b) **Poems and Epics** — Scheffel's Trompeter von Saeckingen, Thomas Anthology, etc. *Two hours, one semester.*

7. (a) **Goethe's Faust**—Part I, with commentary. Monday at 3 and Tuesday at 2. *Two hours, first semester.*

(b) **Goethe's Faust**— Part II, with commentary.

Two hours, second semester.

8. **Heine's Prose**—Die Harzreise; Die Romantische Schule and other selections will be read. Professor THORSTENBERG.
Two hours, second semester.

9. **Historical German**—This course consists of the rapid translation of modern historical and economic German. It is especially designed for those students who wish to acquire a sufficient knowledge of the language to enable them to read German books on history, philosophy, etc. The matter to be read is selected from such works as Riehl's Kulturgeschichtliche Novellen; von Sybel's Kleine Historiche Schriften; Freytag's Bilder aus der deutchen Vergangenheit; Seiler, die Heimat der Indogermannen, Schiller's Gedichte des dreissigjaehrigen Krieges, etc. Hours to be arranged. *Two hours, one semester.*

10. **Scientific German**—This course is recommended to students who are taking or who plan to take special courses in Natural Science or in Medicine. Gore's, Dippold's or Brandt and Day's German Science Reader will be used as an introduction, and is followed by monographs on various subjects in order to give the student as large a vocabulary as possible. Among the books to be read are: Lassar-Cohn's Die Chemie im taeglichen Leben; Brewer's Naturlehre; Mueller's die Electrischen Maschinen; Helmholtz's Ueber Goethe's Naturwissenschaftliche Arbeiten or Populaere Vortraege. No student is allowed to take this course who has not had at least two years of thorough preparation in literary German. Professor THORSTENBERG. *Two hours, one semester.*

11. **Commercial German**—The purpose of this course is to make the student acquainted with the elements of commercial German and to widen his commercial vocabulary by means of reading texts dealing with German business customs and institutions. The course is recommended to students who wish to devote some time to the study of German commercial correspondence, business forms, documents, newspaper articles and advertisements. Only those students who have had at least two years of German will be admitted to this course. The text to be used will be Kutner's Commercial German. Tuesday and Thursday at 11. Mr. O'DONNELL. *Two hours, both semesters.*

12. **Teaching of Modern Languages, Especially German**—Discussion of methods and bibliographical questions, examination of texts. Open to Seniors and special students who have not less than 20 hours' credit in German or French. Required of students who wish to be recommended as teachers of German or French in the high schools of the State. Professor SCHMIDT. *Two hours, second semester.*

13. **Advanced German Composition**—Poll's or Jagemann's Materials for Prose Composition. Mr. O'DONNELL. *Two hours, both semesters.*

14. **German Conversation**—Open to all students who have had courses 1 and 2, and required of students who wish to teach German. Tuesday and Thursday at 1. Mr. O'DONNELL. *Two hours, both semesters.*

15. **General History of German Literature**—Max Koch's Deutsche Litteraturgeschichte or some other History of German literature will be used as a textbook. A limited number of lectures are given. *One hour, both semesters.*

16. **German Culture and Civilization**—A course of illustrated lectures. The topics discussed deal with the customs, culture, history, geography, etc., of Germany. *Two hours, one semester.*

17. **Germanic Mythology**—Texts: F. Kaufmann, Eugen Mogk, and Grimm. *One hour, one semester.*

18. **The Nineteenth Century Novels**—Freytag's Soll und Haben or Rittmeister von Alt-Rosen; Meyer's Juerg Jenatsch; Sudermann's Der Katzensteg; Frenssen's Joern Uhl; Storm's Der Schimmelreiter; Riehl's Kulturgeschichtliche Novellen; Paul Heyse's Das Glueck von Rothenburg; Scheffel's Ekkehard; Ludwig's Zwischen Himmel und Erde; Dahn's Ein Kampf um Rom. In addition to this, suitable selections from Ganghofer, Rosegger, Auerbach, Ebner-Eschenbach, Spielhagen, and others will be assigned for outside reading. Professor SCHMIDT. *Three hours, both semesters.*

FOR GRADUATES AND ADVANCED UNDERGRADUATES

In so far as the demand will justify the formation of classes the department will offer the following courses:

20. **Middle High German** — Michels Mittelhochdeutsche Grammatik, 1910; Henrici; Proben der Dichtungen des Mittelalters, Berlin, 1898; Selections from Nibelungenlied; Walter von der Vogelweide; Parsival; Lexer, Mittelhochdeutsches Taschen-Woerterbuch. Hours to be arranged.

Two hours, both semesters.

21. **Old High German** — Braune's Althochdeutsche Grammatik, and the same author's Althochdeutsches Lesebuch (4th edition); Muellenhoff and Scherer's Denkmaeler Deutscher Poesie und Prosa (3d edition); Behaghel's Historical Grammar of the German Language.

22. **Gothic and the Elements of Comparative German Grammar**—Braune, Gotische Grammatik, 4. Auflage, Halle, 1895; Heyne's Ulfilas, 9. Auflage, von F. Wrede, Paderborn, 1896; Streitberg's Urgermanische Grammatik. This course is required for advanced degrees in English Philology.

23. **History of German Literature of the Nineteenth Century**—With special study of the classic periods of the twelfth and eighteenth centuries. Scherer's Geschichte der deutschen Literatur, Franke's History of German Literature are used as textbooks. Papers on assigned topics will be required.

24. **Physiological Phonetics**—The sounds of English, German, and French. Grandgent, German, and English sounds (Boston, Ginn & Co., 1892); Ripmann's adaptation of Vietor's Kleine Phonetik (London, J. M. Dent & Co., 1899); Kleines Lesebuch in Lautschrift von Vietor; Sweet, A Primer of Phonetics (Oxford, Clarendon Press, 1890); lectures. Each student will make a special study of his English vowels.

Two hours, both semesters.

II

SCANDINAVIAN LANGUAGES AND LITERATURE

Professor THORSTENBERG

The courses in this department are designed to lay the basis for a practical reading knowledge of the Scandinavian languages; to familiarize the student with some of the principal works of representative modern Scandinavian writers, and to afford some insight into the life and culture of the Scandinavian peoples.

1. **Elementary Norwegian (Dano-Norwegian)**—Principles of the grammar and the reading of easy prose. The texts used comprise: Olson's Norwegian Grammar and Reader or Holvik's Beginners' Book in Norse; Bjoernson's Synnoeve Solbakken; Lie's Fortaellinger; Kielland's Novelletter. Monday, Wednesday and Friday at 2. *Three hours, both semesters.*

2. **Elementary Swedish**—Principles of the grammar and the reading of easy prose. The texts used comprise: Elmquist's Swedish Grammar or Vickner's Swedish Grammar; Lagerloef's En Herrgardssaegen; Geijerstam's Mina Pojkar; Nyblom's Det Ringer. Monday, Wednesday and Friday at 2.
Three hours, both semesters.

3. **Scandinavian Literature (conducted in English)**—Works of Bjoernson, Ibsen, Lie, Kielland, Tegner, Rydberg, Lagerloef, Strindberg, etc., in standard translations, will be read and discussed. The course includes supplementary lectures on the history of the literature in general. Tuesday and Thursday at 9.
Two hours, both semesters.

In so far as the demand will justify the formation of classes, the following courses will be offered:

4 and 5. **Advanced Norwegian or Swedish**—Study of works, in the original, of representative Scandinavian authors, supplemented by advanced prose composition and conversation.
Hours to be arranged.

For students intending to teach German the following four years of consecutive work is required:

	Catalog No. of Course	Semester Hours
Elementary German	4	10
Advanced German	2	8
German Classical Drama	3	6
and either		
German Fiction and Contemporary Literature	4	6
or		
The Nineteenth Century Novel	18	6
or Modern German Drama	5	6
in addition to		
The Teaching of German	12	2

GREEK LANGUAGE AND LITERATURE

Professor STRAUB

Students who have had two or three years of Greek may enter the second semester of the third or fourth year respectively. Students may also enter 14 and 16 at the beginning of the second semester.

1. **Elementary Greek**—Gleason's Greek Primer. Daily at 9.
Five hours, first semester.

2. **Xenophon's Anabasis**—(Harper and Wallace) Book I; Goodwin's Greek Grammar. Daily at 9.
Five hours, second semester.

The aim of the first year is quality, not quantity. For this reason, the drill in Greek inflections and the common constructions is made as thorough as possible. In addition, every effort is made to increase the student's vocabulary. The "Word List" in Harper and Wallace's Anabasis is an excellent help in this direction.

2. **Anabasis**, continued—Book I, III, and IV. Greek Grammar reviewed. Critical study of Greek prepositions. Daily translations from English to Greek. Textbooks, in addition to

those used in course 2: Pearson's Greek Prose Composition, and Adam's Greek Prepositions. 10 a. m., Monday, Tuesday, Thursday and Friday. *Five hours, first semester.*

4. **Homer's Iliad**—(Seymour) Books I to IV. Homeric language and verse (Seymour), Jebb's Homer. Study of the Homeric Palace (Isham). Daily exercises in Greek prose continued. Special attention will be given to Homeric forms. The custom of the Homeric Greeks will be carefully studied. 10 a. m., Monday, Tuesday, Thursday and Friday.
Four hours, second semester.

5. **Hellenistic Greek**—One or two of the Gospels will be studied and the general principles of Hellenistic Greek noted. 11 a. m., Tuesday, Wednesday, Thursday and Friday.

6. **Hellenistic Greek,** continued—Selected portions of the New Testament. Selections from Septuagint will also be offered. 11 a. m., Tuesday, Wednesday, Thursday and Friday.
Four hours, second semester.

(Courses 5 and 6 are intended chiefly for students who expect to prepare for the ministry, and are elective to other Greek students. Prerequisites: Courses 1 to 4, inclusive. Textbooks: Wescott and Hort's Greek New Testament recommended. Conybeare and Stock's selections from the Septuagint [Ginn & Co.]).

7. **Xenophon's Memorabilia**—Demosthenes' Phillippics. (Students will be required to read up the appropriate portions of the history of Greece, in order to study the above in their proper setting). *Four hours, first semester.*

8. **Lysias' Orations**—(Morgan's or Adam's) Selections from Herodotus. Advanced Greek prose composition. Study of Sanford's Three Thousand Classic Greek Word list.
Four hours, second semester.

9. **Selections from the Plays of Euripides**—Study of the Attic Theater (Haigh). *Three hours, first semester.*

10. **Plato's Apology and Crito**—Croiset's Greek Literature.
Three hours, second semester.

11. **Selections from the Comedies of Aristophanes**—Study of the influence of comedy on Greek thought and temperament. *Three hours, first semester.*

12. **Demosthenes' De Corona**—(Goodwin) Also suitable extracts from Aeschines' "Against Ctesephon." Study of Bredif's Life of Demosthenes. *Three hours, second semester.*

Greek-English Course

No Greek required. Open to all students.

The following four courses are offered to students who have not taken Greek. They will give a fairly good insight into the religion, habits, and life of that wonderful people, whose institutions and civilization still make themselves felt at the present time, and whose influence still strongly prevails in modern thought:

13. **Greek Mythology**—Textbook: (Guerber) Collateral reading: Bullfinche's Age of Fable. Informal talks. 2 p. m., Mondays. *One hour, first semester.*

14. **History of Greek Art**—(Tarbell) Greek Sculpture (Gardner). 2 p. m., Mondays. *One hour, second semester.*

15. **History of Greek Literature**—From Homer to Theocritus (Edward Capps). Homeric Society (Keller). *One or two hours, first semester.*

16. **The Life of the Ancient Greeks**—(Gulick) The Ancient City (Coulages). The Attic Theater (Haigh). *One or two hours, second semester.*

For Graduates and Advanced Undergraduates

17. **Pindar's Odes and Fragments**—Thucydides, Books IV to VI. *Two hours, first semester.*

18. **Selections from Aristotle.** *Two hours, first semester.*

19. **Homer's Iliad**—Books VI to XXIV, read with a view to the study of the civilization and customs of the Homeric Tribes. *One hour, both semesters.*

20. **Greek Epigraphy**—Textbook: Roberts'.
One hour, first semester.

21. **Greek Inscription**—Textbook: Hick's Manual of Greek Historical Inscriptions. *One hour, second semester.*

HISTORY

Professor SCHAFER Mr. O'HARA Professor CLARK

FUNCTIONS OF THE DEPARTMENT

The department of History, in its relations to the University, has two main functions: To train historians, and to provide the necessary historical basis in the training of those whose major interest lies in other departments like literature, law, politics, commerce, economics, art, and education. A third but subordinate function is to furnish what are usually called "cultural courses" for a considerable number of students majoring in scientific departments who, nevertheless, desire to secure the benefit of some contact in a broad way with the humanities.

REQUIREMENTS FOR TEACHERS OF HISTORY

Students asking for a recommendation from the department as teachers of history in high schools must have taken courses listed from 1 to 8 inclusive or satisfy the requirements of these courses by special reading and examination. These courses cover the subject matter of the history taught in high schools and give familiarity with the materials and methods needed for teaching.

COURSES RECOMMENDED FOR STUDENTS IN JOURNALISM

For students majoring in journalism the courses in Recent European, Recent American, and Latin American History are recommended. The prerequisite requirements for entrance into these courses must, however, be observed.

Courses Recommended for Lawyers

The courses in English History, English Constitutional History, and the two courses in American History, early and later periods, are especially recommended for students preparing to study law.

Recommendation for Students in Commerce

The courses in Latin American History and Institutions and in Recent European History, and all the courses in American History, seem specially suited to meet the needs of students in commerce.

Schedule of Courses

1. **Greece and Rome**—A survey of the development of the political and social life of the Greek people; a similar survey of Roman history to the death of Constantine. Monday, Wednesday and Friday at 1. Open to freshmen. Mr. O'Hara.
Three hours, first semester.

2. **The Middle Ages**—Exhaustion of the Imperial power in the West, the spread of Christianity, review of feudal society in its agricultural, political and military aspects, rise of the cities, commercial and industrial organizations, the universities. Two sections, Monday, Wednesday and Friday at 1 and 11. Open to freshmen. Mr. O'Hara.
Three hours, second semester.

3. **Renaissance and Reformation**—The period covered by this course extends from the beginning of the fourteenth to the middle of seventeenth centuries and it is the history of continental Europe within these years. The intellectual Renaissance, the Protestant Revolution and Catholic Reformation will receive special emphasis. Monday, Tuesday and Thursday at 8. Professor Clark. *Three hours, first semester.*

4. **Europe, 1648-1815**—A survey of European history from the Peace of Westphalia to the downfall of Napoleon. Monday, Tuesday and Thursday at 8. Mr. O'Hara.
Three hours, second semester.

5. **European History of the Past Century**—The historical background of the eighteenth century will be given as a prelude to a study of the social, economic, and political progress of the states of Europe, their international relations and colonial expansion during the last hundred years. This course is designed for students of proper qualifications, especially those majoring in history, economics, political science and journalism, or who may be preparing for the study of law. Monday, Wednesday and Friday at 9. Repeated second semester, Tuesday, Thursday and Friday, at 10. Professor CLARK.

Three hours, first semester.

6. **History of England**—A general survey of English History with emphasis on social conditions. Designed to be of special value as a preparation for the study of English literature. Monday, Tuesday and Thrusday at 8. Open to freshmen. Mr. O'HARA. *Three hours, first semester.*

7. **Early American History**—The American Revolution in its political, economic, and sociological phases; the confederation and the constitution; our national history from 1789 to 1816. Monday, Wednesday and Friday at 11. Professor SCHAFER.

Three hours, first semester.

8. **Later American History**—The story of American development during the past one hundred years; general theme, the evolution of a democratic world power. Monday, Wednesday and Friday at 11. Professor SCHAFER.

Three hours, second semester.

9. **English Constitutional History**—The purpose of the course is to exhibit the growth of the main features of the present English constitution. Recommended for students preparing for law. Tuesday and Thrusday at 11. Mr. O'HARA. Not given in 1916-17.

10. **Central Europe in Recent Times**—A study of the German Empire, the Austro-Hungarian Monarchy, and the Balkan States. Special attention is given to social and economic problems. Tuesday, Thursday and Friday at 10. Mr. O'HARA. Not given in 1916-17. *Three hours, first semester.*

1. **Recent History** — This course will give the immediate historical background for the European War and some account of its immediate causes and progress. Monday, Wednesday and Friday at 9. Professor CLARK. *Three hours, second semester.*

12. **Latin American History** — An account of the political and economic development of the twenty Latin-American Republics during the last hundred years preceded by historical background furnished by the Spanish and Portuguese conquest and occupation. Present-day economic and social conditions will also receive attention. Monday, Wednesday and Friday at 1. Professor CLARK. *Three hours, first semester.*

13. **French Revolution** — A study of the conditions accountable for the Revolution, followed by its social, political, economic, and religious phases. Professor CLARK. Not given in 1916-17. *Two hours, first semester.*

14. **Napoleon I** — A study of the man and of his period. Professor CLARK. Not given in 1916-17. *Two hours, second semester.*

15. **The Great Historians** — The aim of this course is twofold. On the one hand, it is intended to familiarize the student with the world's greatest writers of history, and to develop in him an appreciation of their works and a critical insight into the methods employed in producing them. On the other hand, it is a study of some of the most significant phases of world history through the great historians of ancient and modern times. For Sophomores majoring in history and others who may elect it. Tuesday, Thursday and Friday at 10. Professor SCHAFER. *Three hours, first semester.*

16. **American Diplomacy** — A history of the relations of the United States with other states during the past hundred years and of the development of American foreign policy. Monday, Wednesday and Friday at 1. Professor CLARK. *Three hours, second semester.*

17. **Seminar in Western History** — A detailed study largely from the sources of the building of civilization in the western portions of the United States, particularly the region west of the

Rocky Mountains. For history seniors as an equivalent of the thesis requirement, and other advanced students. Tuesday and Thursday at 11. Professor SCHAFER. *Two hours, both semesters.*

18. **Recent American History**—The aim in this course is to familiarize students with the great political, social and economic problems and movements of the past forty years, since the close of the reconstruction era. Also to develop a true insight into American ideals of life. For history majors of at least sophomore standing and others of equivalent preparation. Tuesday, Thursday and Friday at 10. Professor SCHAFER.
Three hours, second semester.

The British Empire Since 1688—A survey of modern British institutions and the struggle for colonial and commercial supremacy. Tuesday, Thursday and Friday at 10. Not given in 1916-1917. Mr. O'HARA. *Three hours, second semester.*

20. **History Seminar**—Lectures on the European war. Tuesday at 1. Professors SCHAFER and CLARK and Mr. O'HARA.
One hour, first semester.

21. **History Club**—A discussion of selected topics of historical interest by the members of the history staff, students majoring in the department and by students and instructors from other departments who may be especially interested in historical problems. Tuesday at 1. *One hour, second semester.*

22. **Industrial History of Europe in the Nineteenth Century**—A study of the development of industry and commerce in Europe during the past one hundred years; attention will be given to the effects of economic forces on the political and social life of European peoples, as well as on international relations and the exploitation of the more backward regions of the earth. Tuesday and Thursday at 11. Mr. O'HARA. *Two hours, both semesters.*

23. **Peace and War**—History of causes and consequences of war and the movement to preserve peace of the world. Wednesday and Friday at 8. Professor CLARK.
Two hours, second semester.

Students intending to teach history should take the following courses in this department:

	Catalog No. of Course	Semester Hours
Greece and Rome	1	3
Middle Ages	2	3
Renaissance and Reformation	3	3
Europe, 1648 to 1815	4	3
European History of Past Century	5	3
History of England	6	3
Early American History	7	3
Later American History	8	3

LATIN LANGUAGE AND LITERATURE

Professor DUNN Mr. CLARK

COURSES PRIMARILY FOR UNDERGRADUATES

1. **Beginning Latin**—Daily at 8. *Five hours, first semester.*

2. **Caesar's Gallic War, Books I, III, or Selections**—Latin prose composition. Daily at 8. *Five hours, second semester.*

3. **Selected Orations of Cicero**—Latin prose composition. Monday, Tuesday, Thursday and Friday at 10. *Four hours, first semester.*

4. **Virgil's Aeneid, Books I, II, IV, VI, or Selections**—Monday, Tuesday, Thursday and Friday at 10. *Fours hours, second semester.*

9. **The Private Life of the Romans**—Lectures with the aid of the stereopticon; readings and reports. Monday, Wednesday and Friday at 9. *Three hours, first semester.*

10. **Roman Literature**—Lectures, with the aid of the stereopticon; readings and reports. Monday, Wednesday and Friday at 9. *Three hours, second semester.*

11. **Cicero's De Amicitia**—Virgil's Eclogues; the Captivi of Plautus; selections from Catullus. Monday, Tuesday and Thursday at 8. *Three hours, first semester.*

12. **Selections from Horace's Odes and Epodes**—Sallust's Jugurtha; selections from Tibullus and Propertius. Monday, Tuesday and Thursday at 8. *Three hours, second semester.*

13. **Selections from Horace's Satires and Epistles**—Livy, Book V; Ovid's Tristia, Books I and III. Monday, Wednesday and Friday at 1. *Three hours, first semester.*

14. **Terence's Andria**—Tacitus's Agricola; selections from Pliny's Letters; selections from Martial's Epigrams. Monday, Wednesday and Friday at 1. *Three hours, second semester.*

15. **Roman Law and Public Life**—Tuesday, Thursday and Friday at 10. *Three hours, first semester.*

This course will be based upon the text of selected orations of Cicero as a point of departure for the discussion of Roman political life and the investigation of certain periods of Roman history at first hand.

16. **The Roman Historians**—Tuesday, Thursday and Friday at 10. *Three hours, second semester.*

Selected epochs in Livy and Tacitus will be read for purposes of comparison and will serve as a nucleus around which to group a discussion of the methods of Roman historians and a running review of the historians themselves from the annalists to the Scriptores Historiae Augustae.

17. **Roman Literary Criticism**—Monday, Wednesday and Friday at 11. *Three hours, first semester.*

This course provides a rapid comparison of four of the great classic treatises on literary criticism—Cicero's Brutus, Horace's De Arte Poetica, Quintilian's Book X of the Institutiones, and Tacitus's Dialogus.

18. **Roman Philosophy**—Monday, Wednesday and Friday at 11. *Three hours, second semester.*

Lectures covering the chief systems of doctrine prevailing among the Romans of the Classic Period will alternate with readings from Cicero's De Officiis and the best portions of Lucretius.

Courses Primarily for Graduates

The courses following herewith are designed for advanced students, but are open to undergraduates who, after due conference with the instructor, can give evidence of their fitness to satisfy the requirements of the courses. These courses are given usually in alternate years.

19. **History of Latin Literature**—Part I (poetry). Lectures and reading. *Three hours, both semesters.*

20. **History of Latin Literature**—Part II (prose). Lectures and reading. *Three hours, both semesters.*

21. **Ovid**—The Fasti, Roman Religion, and Religious Archaeology of Rome. *Two hours, first semester.*

22. **Ovid**—The Metamorphoses and Classic Mythology. *Two hours, second semester.*

23. **The Corpus Caesarianum**—The Gallic War. Lectures and reading. *Two hours, first semester.*

24. **The Corpus Caesarianum**—The Civil War and Libri Incertorium Auctorum. Lectures and reading. *Two hours, second semester.*

25. **Topography of Rome**—Lectures, assisted by maps, pictures and other available material, will illustrate in chronological order the monumental growth of Rome from prehistoric times to the fall of the Western Empire. Theses on suggested topics will be required at stated intervals. *Two hours, both semesters.*

26. **The Reign of Trajan**—Trajan's reign will be studied from every possible standpoint—from Pliny's Letters, from inscriptions and from monumental remains. *Three hours, second semester.*

27. **Latin Prose Composition**—This course provides advanced composition drill, particularly for those who have had four years of Latin. Sustained narrative and occasional unseen passages form the basis of translation. *Two hours, second semester.*

28. **Our Inheritance from the Graeco-Roman Civilization**—Stereopticon lectures with required readings and reports. Monday, Wednesday and Friday at 3. *Three hours, first semester.*

Six years' work in Latin is required, or at least two years beyond the four years offered in the secondary schools, of all those who expect to teach this subject. *Fifth year* Latin includes such standard authors as Cicero's De Senectute, Virgil's Eclogues, a play of Plautus, Horace's Odes, Sallust's Jugurtha, selections from Catullus and Tibullus. *Sixth year*, Horace's Satires and Epistles, a book of Livy, Ovid's Tristia, a play of Terence, selections from Pliny and Martial.

MATHEMATICS

Professor DECOU — Assistant Professor WINGER
Professor MCALISTER — Professor GRIMES

The instruction in Mathematics is designed to secure three objects: First, high mental discipline for the general student through the study of an exact science; second, a thorough understanding of those subjects which form the foundation of most of the natural and applied sciences, such as physics, astronomy, commerce, and the engineering courses; third, the thorough preparation of teachers of high school mathematics.

Courses 1 (b), 1 (c) and 3 are designed for students in literary courses who desire to secure a good foundation for their work in the sciences, for students of commerce and architecture, and for those who expect to teach mathematics in conjunction with other high school subjects. Courses 1 (b) and 1 (d) are required of freshmen in Commerce. Courses 1 (c) and (3) are required of students in architecture.

The courses fundamental to engineers are as follows: Freshman year, Course 2; sophomore year, Course 4. These courses are recommended also to students who intend to make Mathematics their major.

A number of fundamental elective courses are offered to the advanced student; they are so arranged as to give breadth and symmetry to his knowledge of Mathematics and prepare him, if he so desires, to pursue graduate study profitably.

Graduate courses will be arranged to suit the needs of those applying for them.

Freshmen entering the second semester may take courses 1, 2, 3 and 5 if sufficiently prepared.

GENERAL COURSES

1. (a) **Solid Geometry**—Monday, Wednesday and Friday at 11. Professor WINGER. *Three hours, first semester.*

1. (b) **Advanced Algebra**—An elementary course, open to freshmen. Tuesday, Thursday and Friday at 10, first semester. Required of students in Commerce and Architecture. Repeated second semester, Monday, Wednesday and Friday at 11. Professor WINGER. *Three hours.*

1. (c) **Plane Trigonometry**—An elementary course. Open to freshmen. Tuesday, Thursday and Friday at 10, second semester. Required of students in Architecture. Professor WINGER. *Three hours.*

1. (d) **The Mathematical Theory of Investment**—An elementary treatment of the principles involved in interest, annuities, valuation of bonds, sinking funds, building and loan associations, life insurance, etc. Open to freshmen and others who have taken Course 1 (b) in Advanced Algebra. Required of Commerce students. Monday, Wednesday and Friday at 11. Professor DECOU. *Three hours, second semester.*

2. **Advanced Algebra, Trigonometry and Analytical Geometry**—Advanced Algebra [same as 1 (b)], Monday, Tuesday and Thursday; and Plane Trigonometry, Wednesday and Friday, first semester; Analytical Geometry, daily, second semester. An introductory course. Open to freshmen. Daily at 8. Professor WINGER. *Five hours, both semesters.*

3. **Analytical Geometry and Calculus**—An introductory course for literary and scientific students. Prerequisite, Course 1. Open to freshmen who have had the equivalent of Courses 1 (a), 1 (b) and 1 (c). Required of students in Architecture. Tuesday, Thursday and Friday at 10. Professor DECOU. *Three hours, both semesters.*

4. **Differential and Integral Calculus**—This course includes the development of the fundamental principles and formulas of Differential and Integral Calculus, their applications to expansion of functions, indeterminate forms, the determination of the

various properties of plane curves, maxima and minima; areas and length of curves, areas and volume of surfaces, hyperbolic functions, etc. Prerequisite, Course 2. Daily at 9. Professor DECOU. *Five hours, both semesters.*

5. **Elements of Statistical Methods; Theory and Use of the Slide Rule**—This course is designed for students majoring in Education, Commerce, Economics, Journalism, Architecture, the Natural Sciences and Mathematics, who have occasion to compile and interpret statistics. The Theory and Use of the Slide Rule is included for its practical assistance in work requiring computation. Prerequisite: Mathematics 1 (b). Tuesday and Thursday at 11. Professor DECOU. *Two hours, second semester.*

6. **Applied Mathematics**—This course is intended for students of Chemistry and Physics and embraces a rapid review of Differential and Integral Calculus, with applications to problems of Physics and Chemistry; the development of infinite series; elements of Differential Equations; Fourier's Theorem; Theory of Probability and adjustment of errors; Calculus of Variations. A course in Calculus should precede this course. Professor MCALISTER. *Two hours, both semesters.*

7. **History of Mathematics**—A brief survey of the most important developments of the subject. Monday at 10. Professor DECOU. *One hour, second semester.*

8. **Teaching of Mathematics**—Dealing largely with the teaching of mathematics in secondary schools and treated from the historical standpoint. Monday at 10. Professor DECOU. *One hour, first semester.*

ADVANCED AND GRADUATE COURSES

9. **Differential Equations**—A practical course in the theory or ordinary and partial differential equations and their solutions. Prerequisites, Courses 2 and 4. Tuesday and Thursday at 11. Professor DECOU. *Two hours, both semesters.*

10. **Higher Algebra**—A more advanced and rigorous treatment of the topics of the preceding courses, together with the addition of many new topics. Monday, Wednesday and Friday at 11. Professor DECOU. *Three hours, one semester.*

11. **Determinants and Theory of Equations**—An elementary but very important course, giving the essential principles required in various advanced studies. Text: Burnside and Panton. Monday, Wednesday and Friday at 11. Professor DECOU.
Three hours, one semester.

12. **Solid Analytical Geometry**—An advanced course dealing with surfaces of the second degree and their properties, together with some discussion of surfaces in general. Hours to be arranged. Professor WINGER. *Three hours, one semester.*

13. **Advanced Integral Calculus**—Including definite integrals, Fourier series, elements of elliptic integrals and functions. Prerequisite, Course 4. Not given in 1916-17. Hours to arranged.
Three hours, both semesters.

14. **Theory of Functions of a Complex Variable**—Hours to be arranged. *Three hours, one semester.*

15. **Analytical Trigonometry**—Hours to be arranged. Professor DECOU. *Three hours, one semester.*

16. **Projective Geometry**—An analytic treatment covering the topics of homogeneous coordinates, duality, involution, geometry on a line, the projective properties of conics, rational curves. The connection between metric and projective geometry is emphasized. In the latter part of the course higher plane curves will be studied, including the polar theory, singular points and Plücker's equations. Lectures and assigned readings. Prerequisite, Mathematics 2 and 4. Monday, Wednesday and Friday at 9. Professor WINGER. *Three hours, both semesters.*

18. **Differential Geometry**—Introductory course based on Eisenhart's Differential Geometry. Prerequisite, Course 4. Professor WINGER. *Two hours, both semesters.*

19. **Non-Euclidean Geometry**—A study of the essential features of the geometries of Lobachevsky and Riemann, including non-Euclidean Trogonometry. A critical reading of standard texts, the history of the parallel postulate, foundations of geometry. Prerequisite, Mathematics 2, 4, 16. Not given in 1916-17. Professor WINGER. *Two hours, both semesters.*

Graduate Courses

On application courses will be provided for graduates and others of sufficient mathematical maturity and training in the following subjects: Elliptic Functions, Substitution Groups, and the Theory of Numbers.

Equipment

The department is provided with a well selected library of the best American and foreign works, in addition to a large collection of elementary texts for pedagogical purposes. It has a complete file of the American mathematical journals and receives regularly the current numbers of these journals and some foreign ones.

A collection of the famous Brill models, made in Germany, is an important adjunct to the work in geometry. Included in this collection are plaster models of ellipsoids, hyperboloids of one and two sheets, elliptic and hyperbolic paraboloids, on which are shown the geodetic lines, lines of curvature, circular and principal sections, etc.; also wire and thread models, illustrating ruled surfaces and generating lines of conicoids. A spherical blackboard, three feet in diameter, blackboard apparatus for use in geometrical constructions, and numerous models and drawings constructed by the students, add materially to the equipment. A complete set of mensuration blocks and models is used in the study of geometry teaching.

Students expecting to teach Mathematics as a minor subject should elect the following courses:

	Catalog No. of Course	Semester Hours
Advanced Algebra and Plane Trigonometry	1	6
Analytic Geometry and Calculus	3	6
Theory of Equations and Determinants	11	3
Teaching of Mathematics	7	1
History of Mathematics	8	1

MECHANICS AND ASTRONOMY

Professor McALISTER

MECHANICS

1. **Analytical Mechanics**—A study of the laws of motion and equilibrium. The phenomena of motion are matters of everyday experience and observation, both on the earth and in the heavens; and the laws under which motions occur or may be prevented are the subject matter of Mechanics. This course is intended to meet the needs of two classes of students: Those wishing to pursue the subject on account of its intrinsic interest and value, and those wishing to make practical application of it either in engineering or as a preparation for study of Advanced Physics. The elements of Analytical Geometry and Calculus are prerequisite. The first semester may be taken without the second. Tuesday, Thursday and Friday at 10.

Three hours, both semesters.

2. **Applied Mechanics**—A course for students of Architecture, including Analytical and Graphic Statics and Strength of Materials. Monday, Tuesday and Thursday at 8.

Three hours, both semesters.

3. **Theory of Elasticity**—A study of the minute relative motions of the particles of natural solids when loads or external forces are applied, together with the internal stresses which resist relative motion. The subject has important applications in the strength, resistance, and deformation of the ordinary materials of construction, and also in opening up a broad field in molecular physics. Prerequisites, Elements of Solid Analytical Geometry and Differential Equations, and the first semester of Course 1, or its equivalent. *Three hours, second semester.*

5. **Hydrodynamics**—The theory of the motions of fluids, with special reference to liquids, but including also some applications to the motions of the air and other gases. An acquaintance with the elements of Analytical Mechanics is presupposed.

Three hours, first semester.

Astronomy

1. **General Astronomy**—This course includes a brief historical sketch of the science, the fundamental principles, with such problems as yield to elementary methods, and an exposition of the more important facts known in reference to the solar system, the stars, star clusters, nebulæ, the galaxy and Magellanic clouds, the zodiacal light and the "Gegenschein;" the action of tides as cosmogonic agencies, and a comprehensive account of the "Nebular Hypothesis" and other more recent theories of world building. Two lectures, or recitations from the text, and one evening per week. Many of the lectures will be illustrated with lantern slides. In fine weather, the evening will be spent in learning the principal constellations and the brighter stars, and locating such planets as happen to be visible; in observing some celestial objects with the telescope, and in making a few simple observations with the transit instrument. In bad weather the evening will be spent in solving various problems and in other exercises pertaining to the subject. Not open to freshmen. Tuesday and Thursday at 11; Tuesday evening, 7 to 10.

Three hours, both semesters.

2. **Practical Astronomy**—The determination of time, latitude, longitude, and azimuth by astronomical methods. A working knowledge of Trigonometry is necessary. One lecture or recitation and one evening of observation per week.

Two hours, either semester.

3. **Theory of Orbits**—Mechanics of orbital motion, including perturbations. Prerequisite, Mechanics, Course 1; and Astronomy, Course 2. *Three hours, first semester.*

PHILOSOPHY

Professor Rebec

1. **Introduction to Philosophy**—The aim of this course will be less the opening up of the traditional, technical fields of philosophy than the forming of a habit of philosophizing. Accordingly the method of procedure will be mainly by Socratic question and free discussion. Students are, in general, advised to begin their

work in philosophy with this course and should not take it before the second semester of their sophomore year. Monday, Wednesday and Thursday at 2. *Three hours, second semester.*

2. **History of Philosophy, Ancient and Medieval**—An attempt to trace the central stream of philosophic thought from its beginnings in Ancient Greece down to its emergence as Modern Philosophy. Lectures and textbook. Monday, Wednesday and Thursday at 8. *Three hours, first semester.*

3. **History of Philosophy, Modern**—A continuation of Course 2. Students of sufficient maturity may be allowed to take Course 3 without having previously had Course 2. Monday, Wednesday and Thursday at 2. *Three hours, first semester.*

4. **Ethics**—A brief survey of historic types of ethical theory and practical morality, followed by a discussion of actual ethical problems. Monday, Wednesday and Thursday at 2. *Three hours, first semester.*

5. **Special Aesthetics**—The evolution of the European aesthetic consciousness, especially as recorded in the supreme masterpieces of literature, from Homer to the Nineteenth Century. Each member of the class is required to produce a paper, based on a special study, from the point of view of the purposes of the course, of some relevant piece of great literature, preferably in a field with which he is already familiar, and in consultation with the professors of the department in which the piece of literature falls. Lectures, papers, discussions. Properly a senior course. Tuesday, 2 to 4. *Two hours, first semester.*

6. **Present Day Thought**—With special reference to the philosophies of James, Eucken and Bergson. Readings and discussions. To be conducted on the "seminar" method. A senior course. Tuesday, 2 to 4. *Two hours, second semester.*

dropped a degree course

HYGIENE AND PHYSICAL EDUCATION

MABEL LOUISE CUMMINGS Miss THOMSON
Miss GOLDSMITH Miss RADER

HYGIENE AND PHYSICAL EDUCATION

The purpose of this department is to promote the health of the individual college woman, to establish health habits, and to train her in health methods. Its special theoretical courses prepare teachers of physical education and playground supervisors.

All women are required to take throughout their freshman year Personal Hygiene and three hours of laboratory work. These hours are arranged for after a thorough physical examination. During the sophomore year three hours of laboratory work only are required. This consists of individual or class work in physical training. It ranges from the more strenuous sports, like basketball and swimming, through gymnasium class work and individual prescriptions of restricted or remedial exercises to baths, massage, respiratory exercises, and rest. It is arranged under the direction of a physician to meet individual needs, and where the student desires, in consultation with the family physician, but in only rare cases is a student excused from the required amount of work for health maintenance or improvement.

PROFESSIONAL TRAINING

There is a growing demand for playground supervisors and for teachers of hygiene and physical education. Young women in the School of Education of sound health and considerable organic vigor, who possess a good sense of rhythm, are accepted as majors in this department. Students majoring in other departments may take their minor work in this department.

THE WOMEN'S ATHLETIC ASSOCIATION

This is an organization open to all women of the University. It was formed for the purpose of bringing together those interested in athletic sports, to encourage others to take interest in them that active life in the great out-of-doors may be fostered here and throughout the State. Its activities include archery,

baseball, basketball, canoeing, field hockey, golf, tennis and walking, in which class and individual contests are held in the spring.

Laboratory Fees

A fee of two dollars a year, payable at the time of registration, is charged all women registered in the department. A fee of one dollar is charged all others who use the baths or swimming pool. This covers locker, towels, medicines, bandages and other perishable supplies.

Suits and Shoes

Uniform gymnasium suits and shoes which conform to definite hygienic requirements are demanded. Neither should be purchased before entering college. Every entering woman should bring with her a sport skirt, a middy blouse and shoes suitable for outdoor athletics.

Courses

1. **Elementary Physical Education** — During the fall and spring archery, baseball, basketball, canoeing, golf, hockey and tennis are taught. The student elects any one of these for which her physical examination shows her fit. During the winter gymnastics are given, with first emphasis upon the establishment of correct posture. One hour a week is given to folk dancing. Required of all freshmen.

Three periods, both semesters.

2. **Advanced Physical Education**—A continuation of Course 1, supplemented by military marching and drills with wands, dumbbells or Indian clubs. One hour a week is devoted to folk and elementary aesthetic dancing. Those whose posture and motor coordination are of H grade, may substitute for the course dancing or swimming and dancing. Required of all sophomores.

Three periods, both semesters.

3. **Advanced Gymnastics**— The more difficult forms of floor work, both with and without apparatus. Designed especially for majors in the department and those preparing for playground supervision. *Three periods, both semesters.*

4. **Corrective or Restricted Work**—Prescriptions are made out for those who for physical reasons are unable to take the regular classwork or who have defects which can be corrected or improved. Individual instruction is given.

Three periods, both semesters.

5. **Elementary Dancing**—Aesthetic dancing and the more difficult folk dances. Fundamental steps and terminology. Technique exercises. Gilbert and Chalif dances. Required for majors and elective for all others. *Two periods, both semesters.*

6. **Advanced Dancing**—A continuation of Course 5. Open only to those who have completed Course 5 or its equivalent.

Three periods, both semesters.

7. **Personal Hygiene**—Required of all first year women and of those who enter without its equivalent. It consists of health methods based upon the outlines of human anatomy and physiology. Lectures and text, Hough and Sedgwick's Human Mechanism. *One hour, both semesters.*

PROFESSIONAL COURSES

8. **Applied Anatomy**—A study of the framework of the body, the joints and the principal muscles, with particular attention to their action. *Three hours, first semester.*

9. **Emergencies and Bandaging**—Cause, nature and treatment of unconsciousness, hemorrhage, wounds, bruises, sprains, fractures, etc. Bandaging, dressing, antiseptics and disinfectants. Demonstrations and practice. Those who pass this course may receive the certificate of the National Red Cross Society. Text, Morrow's Immediate Care of the Injured.

One hour, first semester.

10. **Human Anatomy**—This course comprises a study of the organs of the body and their structure and function; the principal blood vessels and nerves. Nancrede's Essentials of Anatomy. Lectures and demonstrations. Prerequisites, Zoology, Applied Anatomy. *Three hours, second semester.*

11. **Technique of Teaching**—The student acquires familiarity with a large variety of of gymnastic exercises, learns special terminology of gymnastic teaching and gains readiness in the

use of commands. Especial attention is given to voice and personal bearing before the class. Two periods a week.

One hour, second semester.

12. **Playground Supervision**—The hygienic, educational and social significance of play; the analysis of play activities; a study of playground equipment, organization and management; instruction in games, basketry and track events; practical work with children. *Three hours, both semesters.*

13. **Kinesiology**—The analysis of exercises and the mechanism of movement, to determine the effectiveness of the different forms of gymnastic work in regard to posture and motor education. The joints and muscles of the shoulder girdle, spine, pelvis and extremities are discussed and effects of exercises noted. Prerequisites, Course 2 and Applied Anatomy. Text, Skarstrom's Kinesiology. *Three hours, second semester.*

14. **Normal Instruction**—While in Course 11 the beginner is inevitably concerned with her own performance, in this course she is concerned chiefly with that of her class and becomes sensitive to conditions affecting it. She is held responsible for rapid lesson movement and suitable progression. Two periods a week. Text, Skarstrom's Gymnastic Teaching.

One hour, second semester.

15. **Theory and Practice of Physical Education**—Physical education in relation to the public health, its place in the educational scheme; adaptations of subject matter and method; practice in management of athletics. Lectures and library work.

Three hours, both semesters.

16. **Theory of Corrective Gymnastics**—The theory and practice of corrective gymnastics and massage, with a study of those functional and structural defects which are commonly treated by special exercise. Lectures, demonstrations, assigned readings and practice. Prerequisites, Physiology and Kinesiology.

Three hours, first semester.

17. **Anthropometry and Physical Examination**—Instruction and practice in taking physical measurements and tests; interpretation of health history, of physical signs, and of a general physical survey. Prerequisites, Physiology and Kinesiology. Text, Seaver's Anthropometry. *Two hours, first semester.*

18. **Practice of Corrective Gymnastics**—The student studies physical examination records, plans corrective or restricted work, and treats patients. Five hours' practice. Prerequisite, Course 16. *Three hours, either semester.*

19. **Eugenics**—Reproduction, heredity, environment, and disease as related to racial health. Negative measure for race improvement; positive measures. Lectures and references. Prerequisite, Botany or Zoology. *One hour, second semester.*

Courses for Teachers of Physical Education

Freshman Year

First Semester	Hours	*Second Semester*	Hours
English Composition	3	English Composition	3
Foreign Language	5	Foreign Language	5
Zoology I	5	Zoology II	4
Personal Hygiene	1	Personal Hygiene	1
* Elective	3	* Elective	3
	16		16

Physical Education 1 and 5 are required.

* When Physics is not presented for entrance, Physics 1 and 2 should be elected.

Sophomore Year

First Semester	Hours	*Second Semester*	Hours
Foreign Language	4	Foreign Language	4
Chemistry I	4	Chemistry I	4
Psychology I	3	Psychology I	3
Applied Anatomy	3	Human Anatomy	3
Emergiencies and Bandaging	1	Technique of Teaching	1
Elective	1	Elective	1
	16		16

Physical Education 2 and 6 are required.

Junior Year

First Semester	Hours	*Second Semester*	Hours
Physiology	4	Physiology	4
Playground Supervision	3	Playground Supervision	3
Principles of Education	2	Observation of Teaching	2
Kinesiology	3	Education	3
Elective	3	Normal Instruction	1
		Elective	3
	15		16

Physical Education 3 and Swimming.

SENIOR YEAR

First Semester	Hours
Theory of Physical Education	3
Theory of Corrective Gymnastics	3
Anthropometry and Physical Examination	2
Electives and Teaching	7
	15

Second Semester	Hours
Theory of Physical Education	3
Theory of Corrective Gymnastics	3
Electives and Teaching	10
	16

Physical Education.

Most of the high schools in Oregon demand ability to teach at least two subjects; therefore it is advisable to minor in another department. The number of hours required for recommendations in the various departments are listed under their respective courses of instruction.

It is wise to select a wide range of subjects the first and second years that the last two may be used for specialization.

PHYSICAL EDUCATION—MEN

W. L. HAYWARD HUGO BEZDEK
EDGAR W. SHOCKLEY

Aims—First, to develop efficient functioning power of the digestive, circulatory and respiratory system.

Second, to attain muscular development and coordination.

Third, to correct abnormalities and to outline suitable diet and exercise against inherited tendencies.

Fourth, to establish a daily exercise hour for every student through accessible facilities and proper incentive.

Fifth, to foster a spirit of fair play.

Sixth, to acquaint and make proficient to some degree every student in modern sports.

For outdoor work the department has Kincaid Field consisting of a gridiron surrounded by a quarter mile track and with bleachers of a seating capacity of 8,000; a separate varsity baseball diamond south of Kincaid Field, together with an intramural field; six tennis courts scattered upon the campus

with a probable addition of six more. At present upon the new thirty-four acre athletic field a golf links has been constructed for the exclusive use of the University.

For indoor work three hours a week in the gymnasium classes are required of all students during the freshman and sophomore years.

The new gymnasium is fitted with all modern gymnastic apparatus. The main hall is 59x106 feet, with a 26-foot ceiling. On the same floor is the office of the director, a room for anthropometry, and a tube hand-ball court 20x20x50 feet; there is also a gallery for spectators with a seating capacity of 450. Eight feet above the gallery is a 16-lap cork running track nine feet wide. The basement is fitted up with steel lockers, shower baths, and a swimming pool 30x60 feet, with a gradual slope from three and one-half to nine feet in depth.

Two years of Physical Education are required of all men students, preferably in the freshman and sophomore years. Both a physical and medical examination is prescribed of all freshmen. All candidates for varsity teams especially for football and track and field must undergo a medical examination. All men students are required to swim two lengths of the natatorium by the end of the second year. A regular gymnasium suit, consisting of running pants, sleeveless shirt, supporters and rubber soled shoes must be procured for indoor work; and for outdoor, heavy shoes, trousers, supporters, heavy shirt or sweater. A locker must be obtained from the Comptroller by all students having work in the gymnasium. All matters of jurisdiction in the work of the department is subject to the control of the director and the staff. Varsity athletics are governed by the Athletic Council. All work in the department, both indoor and outdoor is divided into intramural freshmen and intercollegiate. The scope of the work is further divided according to the season of the year, namely, from the opening of school, September 12, to Thanksgiving Day, wherein fall outdoor sports are in vogue; the winter season from the first of December to the first of March and the spring sports from the first of March to the first of June.

The following courses are offered:

1. **Elementary Gymnastics**—Freshman athletics; fundamentals of outdoor and indoor sports; equatics. Three hours per week.

2. **Advanced Gymnastics**—Equatics, varsity athletics, intramural competitive sports. Three hours per week.

3. **Special Corrective Exercises.**

4. **Advanced Technique**—Four hours per week. Prerequisite, courses 1, 2 and 5.

5. **Personal Hygiene**—Lectures upon fundamental laws of efficient living. Required of all freshmen.

One hour, both semesters.

6. **High School Coaching**—Lectures and practical work designed for teachers of physical education, *i. e.*, football, baseball, basketball, track; participation upon varsity or intramural team. Prerequisite, courses 1, 2 and 5

Two hours, both semesters.

PHYSICS

Professor BOYNTON — Assistant Professor CASWELL

Mr. WELLS — — —— ———

Courses 1 and 2 form the most elementary course offered by the department. They are open to all students, whether they have had a previous course in Physics in the high school or not, but the assignment of experiments in the laboratory is varied according to the previous preparation of the student. These courses can be taken either for college credit or to remove a matriculation deficiency in Science.

Courses 3 and 4 constitute a year's work in College Physics, presupposing a year of high school Physics. They are particularly intended for students specializing in Physics, Mathematics or Chemistry, and are prescribed for students of Architecture and for pre-medical students, but are adapted to others who wish a general descriptive course.

Prospective teachers of high school Physics wishing the recommendation of the department should take at least 12 semester hours of work in the department, including Courses 3, 4, 15 and 16.

Courses 1 and 2 or 3 and 4 should precede all others taken in the department. Courses in the intermediate group are primarily for advanced undergraduates, but are acceptable as minor work, or to a limited extent only as major work, for an advanced degree. Those of the advanced group are for graduate and advanced undergraduate students, suitable for major work for an advanced degree.

All the courses of the introductory group and some of those of the intermediate group are given every year; the balance of the intermediate courses and those of the advanced group are given, often in cycles, according to the demand.

A deposit of $5.00 is required for each laboratory course each semester. The usual expense, aside from special charges for unusual breakage or articles lost or taken from the laboratory, is at the rate of $2.50 for each semester hour of credit.

Introductory Courses

1. **Essentials of Physics**— Mechanics, molecular physics, heat and sound. A general nonmathematical course, open to all students. Lectures, recitations and one laboratory period per week. Tuesday and Thursday at 9. Laboratory one afternoon 1 to 4. Professor Boynton. *Three hours, first semester.*

2. **Essentials of Physics**— Magnetism, electricity and light. A continuation of Course 1, open to all students. The same hours and days. Professor Boynton.

Three hours, second semester.

3. **General Physics**— Simple measurements, the mechanics of fluids, molecular physics, heat and sound. Intended for students who have had a high school course in Physics, or Courses 1 and 2. Should be taken either in freshman or sophomore year. Two recitation sections: I, Tuesday, Thursday and Friday at 10; II, Monday, Wednesday and Friday at 11. Laboratory and problems, one or two afternoons, 1 to 4. Professor Caswell.

Four or five hours, first semester.

4. **General Physics**—A continuation of 3, taking up the topics of magnetism, electricity and light. The same hours and days. Professor CASWELL. *Four or five hours, second semester.*

5, 6. **General Laboratory**—Laboratory work not included in other courses. Hours to be arranged.

INTERMEDIATE COURSES

11. **Sound**—A more extended treatment than that given in the general courses, intended especially for students of music. Textbook, experimental lectures, and a very complete collection of lantern slides. Considerable attention is given to the scientific basis of harmony and music, and to the physics of musical instruments. This course may be advantageously followed by the course on Psychology of Music, in the second semester. Not given in 1916-17. Professor BOYNTON.
Two hours, first semester.

12. **Photography**—Prerequisites, Physics 2 or 4 and Chemistry 1. A study of photographic methods and appliances, including lenses, sensitive plates and their treatment, and the common photographic papers. One lecture and one laboratory period. Hours to be arranged. Professor BOYNTON.
Two hours, second semester.

13. **Electrical Measurements**—Prerequisite, a year of College Physics, and some acquaintance with the calculus. Laboratory and lectures, mainly on direct currents, including a study of standards, the calibration of commercial instruments by the potentiometer, and the measurement of capacities and inductances. Lectures Tuesday and Thursday at 11; laboratory Tuesday, 1 to 4. Professor BOYNTON. *Three hours, first semester.*

14. **Electrical Measurements**—A continuation of Course 13, taking up the intensity and distribution of illumination and efficiency of incandescent lamps, the magnetic properties of iron, and an introduction to alternating current theory and measurement, electric oscillations and waves, and wireless telegraphy. Professor BOYNTON. *Three hours, second semester.*

15. **History and Teaching of Physics**—A survey of the most important developments of the subject, and discussion of the teaching of Physics in secondary schools. Wednesday and Friday at 8. Professor BOYNTON. *Two hours, first semester.*

16. **Physical Technics**—The construction, adjustment, repair and manipulation of physical apparatus, including a study of home-made apparatus for high school laboratories, the elements of glass working, etc. Lectures, assigned readings and laboratory. Professor BOYNTON. *Two hours, second semester.*

17. **Electricity and Matter**—A descriptive course dealing with the phenomena of cathode and canal rays, Roentgen rays, ionization of gases, photo-electric effect, radio-activity and similar topics. Prerequisites, a year of College Physics and some familiarity with Elementary Chemistry. Two lectures and one laboratory period. Not given in 1916-17. Professor CASWELL. *Three hours, first semester.*

18. **Electron Theory**—A continuation of Course 17. The topics there treated and some others are discussed from the standpoint of the electron theory. Two lectures with or without laboratory. Not given in 1916-17. Professor CASWELL. *Two or three hours, second semester.*

19. **Cosmic Physics**—A treatment of the physical phenomena presented by the earth, atmosphere and celestial universe, such as air and ocean currents, distribution of temperature and moisture, weather observation and prediction, terrestial magnetism, aurora and sun spots. Hours to be arranged. Professor CASWELL. *Three hours, first semester.*

21, 22. **Selected Topics**—Lectures on recent advances in the science and other topics of interest, such as Relativity, the nature of the ether, the Quantum theory, electrons, the gyroscope and its application, wireless telegraphy, the diffraction and polarization of light, waves and ripples, soap bubbles, toys and the physical principles they involve. Hours to be arranged. Professors BOYNTON and CASWELL.

Advanced Courses

Note—A year of College Physics and the Differential and Integral Calculus are prerequisites to all the courses of the Advanced Group.

31. **Thermodynamics** — A course on the theory of heat as applied to ideal gases, saturated vapors, and other simple types of substances. Especially recommended to students specializing in Physics or Physical Chemistry. Not given in 1916-17. Professor Boynton. *Three hours, first semester.*

32. **Molecular Physics**—A continuation of Course 31, including the kinetic theory of gases and liquids; the deduction and further discussion of Van der Waal's equation, and the theoretical aspects of the theory of solutions. Not given in 1916-17. Professor Boynton. *Three hours, second semester.*

33. **Theoretical Electricity**—An introduction to the mathematical theory, treating of alternating currents, electric waves and oscillations, high frequency phenomena, and the theoretical basis of wireless telegraphy. Not given in 1916-17. Professor Boynton.

34. **Theory of Light**—Lectures with experimental illustration. Problems relating to the theory of optical instruments, treated by the methods of Geometrical Optics, and of the wave theory. Two lectures and one laboratory period. Professor Caswell. *Three hours, second semester.*

35, 36. **Advanced Mathematical Physics** — Lectures and assigned readings. The topics treated will be varied from year to year, to suit the needs of students. Hours to be arranged. Professors Boynton and Caswell.

37, 38. **Advanced Laboratory, Research and Thesis**—Qualified students will have all the facilities of the laboratories placed at their disposal, and will receive the advice and assistance of the department. Hours to be arranged. Professors Boynton and Caswell.

39, 40. **Seminar and Journal Club**—Conferences and reports on assigned topics and current periodical literature. Professors Boynton and Caswell.

Equipment

The building occupied by the department has been recently remodeled. There are two well equipped lecture rooms, a large general laboratory with special dark rooms for photometry and photography, a special electrical laboratory with a room for photometric research, a number of small rooms which can be assigned to special uses, such as occasional advanced courses or researches, and a battery and switchboard room, from which an abundance of circuits go to all parts of the building.

The equipment of the department includes cases for apparatus; a considerable equipment for the elementary laboratory; apparatus for the determination of the Mechanical Equivalent of Heat according to Puluj; standard thermometers with certificates from the German Reichsanstalt; photometers, a Michelson interferometer, and other important optical instruments for the advanced laboratory; a large balance, and an equipment of modern steel rod supports for the lecture room; and a notable equipment for electrical measurements, including resistances, standard capacities and inductances, a potentiometer and galvanometers from the Leeds and Northrup Co.; ammeters and voltmeters from the American Instrument Co., from the Keystone Electrical Instrument Co., and from the Weston Electrical Instrument Co.; wattmeters and dynamometers, and a standard ohm by Otto Wolff, and Weston Standard cells, including some which have been compared with those of the National Bureau of Standards.

Students expecting to teach Physics should take the following courses:

	Catalog No. of Course	Semester Hours
Physics	3, 4	8
History and Teaching of Physics	15	2
Physical Technics	16	2

POLITICAL SCIENCE

Professor BARNETT

Courses in Political Science are not open to freshmen. Course 1 is prerequisite to all other courses in the department except Course 3. Graduates and seniors receive no credit for elementary courses. Courses 1, 2 and 4 are prerequisites for recommendation from the department for teaching Civics in high schools.

I. ELEMENTARY COURSES

1. **American Government**—The government of the United States, federal, state and local, with special attention to the practical operations of government. A considerable portion of the course deals with the state and local government of Oregon. Tuesday, Thursday and Friday at 10. (Omitted 1916-17.)

Three hours, both semesters.

2. **European Governments**—The organization and operation of the governments of England, France, Germany and Switzerland, with special attention to the government of England. (Omitted 1916-17.) *Three hours, first semester.*

3. **Elementary Law**—An introductory study of the nature and sources of law, the history of English and American law, and the organization and operation of the courts, followed by a general consideration of the principal branches of the common law, with special attention to leading cases in the commercial branches of law. Tuesday, Thursday and Friday at 10.

Three hours, both semesters.

II. ADVANCED COURSES

4. **Constitutional Law**—A study of the federal constitution as interpreted by the courts. Chiefly a discussion of leading cases. It is desirable that this course be preceded by Political Science 3. Monday, Wednesday and Friday at 9.

Three hours, first semester.

5. **International Law**—The general principles of international law. It is desirable that this course be preceded by Political Science 3. Monday, Tuesday and Thursday at 8.
Three hours, second semester.

6. **Law of Officers**—The law of public officers. Chiefly a discussion of leading cases. Open to students credited with at least one course in law. Monday, Wednesday and Friday at 11. *Three hours, first semester.*

7. **Law of Municipal Corporations**—The principles of the law of public corporations. Chiefly a discussion of leading cases. Open to students credited with at least one course in law. Monday, Wednesday and Friday at 11.
Three hours, second semester.

8. **City Government**—The organization and operation of city government in France, Prussia, England and the United States, with special attention to contemporary reforms in the United States. Open to qualified juniors and seniors. Monday, Tuesday and Thursday at 8. *Three hours, first semester.*

9. **Government of Oregon**—Individual and cooperative investigation of special problems of the state and local governments of Oregon. Open to qualified juniors and seniors. Monday, Tuesday and Thursday at 8. (Omitted 1916-17.)
Three hours, second semester.

10. **Political Theory**—A study of the main concepts of political theory, mostly from the works of modern writers. Open to qualified juniors and seniors. Monday, Tuesday and Thursday at 8. *Three hours, second semester.*

PSYCHOLOGY

Professor CONKLIN Dr. WHEELER

Courses in this department are not open to freshmen except in special cases.

1. **Elementary General Psychology**—Lectures, discussions and classroom demonstrations covering in a general way the elements of consciousness, their physical substrate and the phe-

nomena of sensation, habit, attention, association, perception, imagination, memory, judgment, reasoning, instinct, emotion and will from both the structural and functional viewpoints. Prerequisite to all other courses in Psychology, except Courses 6 and 9. Monday, Tuesday and Thursday at 8, and Monday, Wednesday and Friday at 11. Professor CONKLIN and Dr. WHEELER. *Three hours, both semesters.*

2. **Elementary Laboratory**—A corollary course to Psychology 1 and should preferably be taken the same year. It is designed to give the student an introduction to laboratory method in psychology. Experiments are performed in most of the groups of mental processes mentioned above. Wednesday, 1 to 4. Dr. WHEELER. *One laboratory period, either semester.*

3a. **Systematic Psychology**—This course is given primarily for advanced undergraduates who are majoring in psychology, and for graduate students. Here will be presented the more advanced problems concerned with sensation, affection, imagery and the higher thought processes, together with results from recent experiments on reflexes and emotions. By seminars and assigned papers will also be presented the history of special topics and of various psychological systems. Psychology 1 a prerequisite. Tuesday and Thursday at 9. Dr. WHEELER. *Two hours, both semesters.*

3b. **General Laboratory**—Supplementary to 3*a* and like it, designed for advanced undergraduates, for students majoring in Psychology, and for graduate students. Laboratory experiments are performed in sensation, imagery, affection, attention, memory, reaction times, learning, and in the higher thought processes. The aim of these experiments is to give the student a thorough training in laboratory methods, technique, and in introspection. From time to time seminars will be held in which the results will be discussed and criticised and compared with work done in other psychological laboratories. (Courses 3*a* and 3*b* are offered in 1916-17, but probably on alternate years thereafter.) Tuesday and Thursday, 1 to 4. Dr. WHEELER. *Two laboratory periods, both semesters.*

4. **Abnormal Psychology**— Designed especially for pre-medical students and for majors in Physical Training. Aphasia, amnesias, hysteria, dual personality, trance states, telepathy, theories of the subconscious, sleep, dreams, hypnosis, dissociations, fixed ideas, psychotherapy, and the common types of insanity will be presented by means of lectures, discussions and textbook work. Elementary Psychology is a prerequisite. Tuesday and Thursday at 9. Professor CONKLIN.

Two hours, first semester.

5. **Mental Hygiene**— This course is the complement of No. 4. It covers the conditions of efficient mental activity so far as they have been determined, the methods and results of the studies of mental fatigue, causes of mental retardation, the hygiene of the emotions and of the intellectual processes, and the causes and prevention of insanity. Elementary Psychology is a prerequisite. Tuesday and Thursday at 9. Professor CONKLIN. *Two hours, second semester.*

6. **Adolescence**— Genetic psychology in its broadest aspects is here studied, with especial emphasis upon the psychological characteristics of adolescence and their relations to psysiology, anthropology, sociology, crime, religion, philosophy and education. G. Stanley Hall's Adolescence is used as a textbook. Open only to qualified juniors and seniors. Wednesday and Friday at 8. Professor CONKLIN. *Two hours, both semesters.*

7. **Research and Thesis**— Designed for advanced students in laboratory technique. Courses 1 and 3 are indispensable prerequisites. Special training is given in methods of research by participation in original researches under the personal direction of the instructor. Hours to be arranged. Professor CONKLIN and Dr. WHEELER.

One or two hours, both semesters.

8. **Comparative Psychology**— By lectures, papers, discussions and texts will be presented the behavior of the lower and higher organisms, together with a comparison of the mental life of animals with that of man; some problems of animal training and the evolutionary development of mental life through the animal kingdom will be discussed. The student will be given

a thorough knowledge of methods of animal experimentation and of the results of the more important researches in this field. (Offered in 1915-16, and on alternate years thereafter.) Dr. WHEELER. *Two hours, one semester.*

9. **Psychology of Music**—Designed especially for students interested in music and for majors in the School of Music, and given as a sequal to Professor Boynton's course on Sound. The following are among the topics presented in this course: Audition in general; origin of music; musical enjoyment; certain phases of mental equipment contributing to musical talent; laws of attention, memory and learning as they may be applied to the memorizing and teaching of music and to the playing of musical instruments; and some aspects of the appreciation of music considered from a psychological point of view. The course will consist of lectures, assigned papers, outside readings and a series of laboratory periods. An elementary training in Psychology is advised. (Offered in 1915-16, and on alternate years thereafter.) Dr. WHEELER. *Two hours, one semester.*

10. **Psychology of Advertising**—Designed to give the student a knowledge of the mental processes appealed to by advertisements and the factors conditioning response. The results of experimental work are carefully studied and criticised, and some of the methods are repeated by the students themselves in the laboratory. Should be taken in conjunction with the course in Practical Advertising in the School of Commerce. Laboratory work alternate with class work. Elementary Psychology a prerequisite. Tuesday and Thursday at 9. Professor CONKLIN. *Two hours, first semester.*

For courses in Educational Psychology, see announcements of the School of Education.

GRADUATE STUDENTS

Courses 3*a*, 3*b*, 4, 5, 6, 7, 8 and 9 above mentioned are designed for either advanced undergraduates or for graduate students. Where they are taken for credit toward the advanced degree special assignments will be made.

Laboratory Fees

A laboratory fee of two and one-half dollars ($2.50) is charged for Course 2 and a fee of five dollars ($5.00), two dollars and a half each semester, for Course 3*b*. This is to cover the cost of supplies consumed. The apparatus used is provided by the University and no charge is made for its use.

Laboratory Equipment

The Psychological Laboratory is now well equipped for practice or for advanced work. It consists of a suite of nine rooms in McClure Hall. All of the rooms are connected by an intercommunicating system of wires and speaking tubes, so that isolation of students for delicate work is easily accomplished; and all are supplied with gas, compressed air and power circuits. One of the small rooms is commodious enough for seminary and small class purposes, and another can readily be made absolutely dark for adaptation purposes. The laboratory has a considerable store of the more simple apparatus and some of the more complex pieces. Each year additions are made of the best modern construction. For demonstrational work in connection with the courses in General Psychology, Experimental Psychology, Psychology of Music and Mental Hygiene and for laboratory practice the equipment of apparatus is already good, making it possible to illustrate and reproduce the principal methods of experimental study of the sensations, attention, emotional expression, fatigue, reaction times, learning, memory and the higher intellectual processes.

PUBLIC SPEAKING

Professor Reddie Professor Prescott

1. **Public Speaking**—A course in practical public speaking. Platform manner and delivery are studied. Especial emphasis is laid on the organization of speech material, to secure clearness, conviction, action, or entertainment, according to the general end. This involves a careful study of the functions of the introduction, the body and the conclusion of a speech and also

a study and classification of evidence. On the theory that one learns to speak *by speaking*, as much practice as possible is given in extempore speaking. The course is three hours, two hours being reserved for class recitation and one hour for laboratory research. In this research work the student is taught to hunt for and find evidence on any given subject, and to classify and organize it under logical heads. Professor PRESCOTT.

Three hours, both semesters.

2. **Public Speaking**— Open to those who have had Course 1. Tone color and analysis. Interpretation of standard literature. Professor REDDIE. *Two hours, both semesters.*

3. **Argumentation and Debate**— This course is a continuation of Course 1 and is open only to those who have had Course 1. Extempore speeches are required from time to time to illustrate the various kinds of argument and fallacies, which are carefully studied. Professor PRESCOTT.

Three hours, each semester.

4. **Teacher's Course in Debate Coaching**— A course adapted to the needs of those who may be called upon to coach high school debating teams. Professor PRESCOTT.

Two hours, first semester.

5. **Teacher's Course in Play Producing**—A course adapted to the needs of those who may be called upon to organize and produce entertainments, plays, pageants, etc., in secondary schools. Professor REDDIE. *Two hours, first semester.*

6. **Dramatic Interpretation**— Practical course in platform manner, voice culture, sight reading, character analysis and gesture. This course is of value to those interested in public speaking in general, as well as to such students who are preparing for further work in dramatic interpretation. Professor REDDIE.

Three hours, both semesters.

7. **Dramatic Interpretation**—A course in the practical study of the drama. Open to those who have had Course 6, or who, upon examination, are able to demonstrate their fitness for this course. Interpretation of modern and classic plays. Study of costume, period decoration, manners and customs; musical,

lighting and color effects; stage carpentry, properties and makeup. Technique of acting. Professor REDDIE.
Three hours, both semesters.

8. **Dramatic Interpretation**—Open to those who have passed Courses 6 and 7. In the year's work plays are publicly presented by the students of this class under the auspices of the University of Oregon Drama Guild, an organization composed of the members of the University Faculty and representative citizens. Professor REDDIE. *Three hours, both semesters.*

Note—Students in the dramatic interpretation courses become acquainted with the drama from as many angles as possible, and those interested in play writing would especially be benefited through the opportunity of studying the purely mechanical side as well as the technical features of interpretation. In courses 7 and 8 there is a laboratory fee of two dollars a year, payable at the time of enrollment.

ROMANCE LANGUAGES AND LITERATURES

Professor CLORAN Miss EUBANK

FRENCH

1. **Elementary French**—Fraser and Squair's Shorter French Course. The reading of several hundred pages of graduated texts is required. Super's French Reader or some similar textbook is used. Students who have had no foreign language are advised to take Latin. Daily at 9. *Five hours, both semesters.*

2. **Advanced French**—Composition and syntax. Reading of prose and verse. Selections will be read from the following authors: Bazin, Loti, Hugo, Gautier, Balzac, De Vigny, About. Open to students who have had Course 1, or two years of high school French. Monday, Tuesday, Thursday and Friday at 10.
Four hours, both semesters.

3. **History of French Literature in the Seventeenth Century.** Selections will be read from Racine, Moliere, Corneille, Bossuet, Pascal and Boileau. This course is open to students who have completed Course 2, or its equivalent. Monday, Wednesday and Friday at 11. *Three hours, both semesters.*

4. **History of French Literature in the Eighteenth and Nineteenth Centuries**—The following texts will be read: Selections from the works of Rousseau, Voltaire, Beaumarchais, Chateaubriand, Beranger, Alfred de Musset, Alfred de Vigny, Lamartine, Gautier and Victor Hugo. Course 4 alternates with Course 3. *Three hours, both semesters.*

5. **Scientific French** — The purpose of this course is to acquaint the student with commercial and technical terms, to familiarize him with scientific forms of expression and style, and to enable him to read with profit the scientific, commercial and technological contributions to French magazines. Bowen's Scientific French Reader will be used and a number of magazine articles will be assigned to each student for outside reading. Open to students who have had two years of French. *Two hours, both semesters.*

6. **French Conversation**—Open to students who have had one year of French and who are taking Courses 2, 3 or 4. *Two hours, both semesters.*

7. **History of French Literature and French Civilization**—Open to students who have had two years of French. *Three hours, both semesters.*

8. **French Poetry**—Open to students who have had two years of French. *Two hours, both semesters,*

9. **French Composition**—Open to students who have had two years of French. *Two hours, both semesters,*

FOR GRADUATES AND ADVANCED UNDERGRADUATES

10. **Old French**—Lectures on old French phonology and morphology. Students shall provide themselves in advance with Gaston Paris' Extraits de la Chanson de Roland, and Schwan-Behren's Grammaire de l'ancien francais, traduction de Bloc (Leipzig, 1900). Other books used are Koerting, Lateinisch-romanisches Woerterbuch, Paris' edition of La Vie de St. Alexis (Paris, 1903). Open to students who have had at least two years of German, four years of French, and four years of Latin. *Three hours, both semesters.*

SPANISH

1. **Elementary Spanish**—Olmsted and Gordon's Abridged Spanish Grammar; Harrison's Spanish Commercial Reader; conversation; reading of modern prose. Students who have had no foreign language are advised to take Latin. Daily at 1 and 2. *Five hours, both semesters.*

2. **Advanced Spanish**—Modern Spanish literature. Palacio Valdes, Perez Galdos, Alarcon, Valera, Echegaray, Becquer and Pereda. Open to students who have had Course 1 or its equivalent. *Two hours, both semesters.*

2a. **Spanish Conversation**—Open to students who have had Course 1 or two years of high school Spanish. *Two hours, both semesters.*

2b. **Commercial Spanish**—Open to students who have had Course 1 or two years of high school Spanish. *Two hours, both semesters.*

3. **Classical Spanish**—Cervantes' Don Quixote (selections); selected plays of Lope de Vega and Calderon. Open to students who have had Courses 1 and 2, or equivalent. *Two hours, both semesters.*

4. **Spanish Poetry**— *Two hours, both semesters.*

5. **Spanish Composition**— *Two hours, both semesters.*

ITALIAN

1. **Elementary Italian**—Grandgent's Italian Grammar; Bowen's First Italian Readings; Reading of Modern Prose. This course will be open to students who have had two years of French or four years of Latin. Tuesday or Thursday at 11. Given in 1916-17. *Two hours, both semesters.*

2. **Advanced Italian**—The classic period of Italian literature. Readings from Dante, Boccaccio and Petrarch. Courses 1 and 2 are given in alternate years. *Two hours, both semesters.*

3. **Dante and Tasso**—The works of Dante and Tasso in English translations. *Two hours, both semesters.*

PORTUGUESE

4. **Branner's Portuguese Grammar**—Reading of prose and poetry. Open to students who have had two years of Spanish. *Two hours, second semester.*

Students who are planning on teaching either French or Spanish should take the following courses:

FRENCH

	Catalog No. of Course	Semester Hours
Elementary French	1	10
Advanced French	2	8
History of French Literature in Seventeenth Century	3	6
History of French Literature in Eighteenth and Nineteenth Centuries	4	6
French Conversation	6	4

SPANISH

Elementary Spanish	1	10
Advanced Spanish	2, 2a	8
Classical Spanish	3	4

ZOOLOGY

Professor BOVARD Assistant Professor EDMONDSON

Laboratory Assistants:

Mr. FOSTER Mr. SHELTON Mr. SIMKINS

(a) **Introductory Courses** in general Zoology and elementary Physiology for students seeking general culture. Zoology 1, 2, 11 and 12.

(b) **Teachers' Courses** for those who expect to teach Science in the high schools, more especially Physiology. Zoology 11 and 12.

(c) **Advanced Courses** in Zoology, Anatomy and Physiology for students making Zoology their major and for those in the pre-medical department.

(d) **Pre-Medical Department**—Courses for students intending to study Medicine and Dentistry.* The work is designed to lay as broad a foundation as possible for the work in the Medical College and to give the student some idea of the work he has chosen as his profession.

A pre-medical course should include courses in Zoology and Physiology; Botany and Bacteriology; Chemistry, inorganic and organic; at least a year of Physics with laboratory practice; and a reading knowledge of French and German.

Pre-medical courses in this department: Freshman year, Zoology 1 and 2; sophomore year, Zoology 3, 14; junior year, Zoology 4 and 6; senior year, Zoology 7, 8 and 15.

Note— For further information concerning Pre-Medical Department, see pages 81-82.

1. **Invertebrate Zoology**—Three lectures and one laboratory period. The lecture will cover the general principles of Zoology, the characteristics of the main groups of the animal kingdom, the life histories of some of the most important forms, and the general principles of physiology as taught by comparative Zoology. Open to all students. Lecture, Tuesday, Thursday and Friday at 10; laboratory, ——— or Tuesday, 1 to 4.

Four hours, first semester.

2. **Vertebrate Zoology**—Three lectures and one laboratory period. A continuation of course 1, using vertebrate types. Prerequisite to all higher courses in this department. Open to all freshmen. Lecture, Tuesday, Thursday and Friday at 10; laboratory, Monday or Tuesday, 1 to 4.

Four hours, second semester.

3. **Comparative Anatomy**—A general course on the development of the vertebrate. Lectures on the anatomy and zoology of lower vertebrates, the osteology and evolution of the higher forms. The laboratory work covers the comparative study of

*Those intending to study Pharmacy should see Botany, under Announcement of Courses.

selected types of vertebrates. This course should precede Course 14. Open to all students. Two lectures and two laboratory periods. Lecture, Wednesday and Friday at 8; laboratory, Thursday and Friday, 1 to 4. *Four hours, first semester.*

4. **Histology**—A detailed study of the tissues and the organs of the body, the preparation of microscopical slides. Open to all students who have had Courses 1 and 2. Prescribed for pre-medic students. Two lectures and two laboratory periods. Lecture, Tuesday and Thursday at 9; laboratory, Monday and Tuesday, 1 to 4. *Four hours, first semester.*

6. **Vertebrate Embryology**—The development of the chick and a comparison with some of the other vertebrate types. Prerequisite: Courses 1 and 2. Two lectures and two laboratory periods. Lecture, Tuesday and Thursday at 9; laboratory, Monday and Tuesday, 1 to 4. *Four hours, second semester.*

7. **Physiology**—Blood Circulation, Respiration, Muscle, Nerve, Reproduction, and the Nervous System. Prerequisites: Courses 3, 4 and 6, Organic Chemistry, and one year of Physics. Three lectures and one laboratory period. Lecture, Monday, Tuesday and Thursday at 8; laboratory, Wednesday, 1 to 4. Not given 1916-17. *Four hours, first semester.*

8. **Physiology**—Digestion, Metabolism, Dietetics, Excretion, and Animal Heat. Prerequisites: Courses 3, 4 and 6, Organic Chemistry, and at least a year of Physics. Three lectures and one laboratory period. Lecture, Monday, Tuesday and Thursday at 8; laboratory, Wednesday, 1 to 4. Not given 1916-17. *Four hours, second semester.*

9. **Seminar**—Discussion of current literature. Students will be given topics on Zoological problems and expected to report on the literature and general status of the subject. One hour each week; hours to be arranged. *One hour, both semesters.*

10. **Research Laboratory**—Original work on some Zoological problem by the student under the guidance of the instructor. Credit to be based on the character of the work. Hours to be arranged.

11. **Elementary Physiology**—A course in the elements of Physiology, designed as a general cultural course and for those who intend to teach Science, especially Physiology, in the high schools. The work will consist of recitations, lectures on special topics, and simple experiments. Open to all. Lecture, Tuesday and Thursday at 11. *Two hours, first semester.*

NOTE.—One laboratory period for one semester hour may be elected in Course 11 on consultation with instructor.

12. **Field Zoology**—A course in which the local fauna of fresh water, field and forest will be studied. The forms will be classified, morphological and ecological studies made, life histories followed and economic aspects emphasized. Prerequisite: Courses 1 and 2. Lecture, Tuesday and Thursday at 11; laboratory, Wednesday, 1 to 4. *Three hours, both semesters.*

14. **Mammalian Anatomy**—A course in dissection of a typical mammal, intended for those going into medicine, or the advanced work in Physiology. One lecture and three laboratory periods. Lecture, Monday at 10; laboratory, Thursday and Friday, 1 to 4; Saturday, 8 to 12. *Four hours, second semester.*

15. **Bionomic Problems**—Lectures and demonstrations on the Life History of certain forms, their behavior, conditions of existence; the geographical distribution of animals; factors and evidences of evolution, results of modern experimentation on evolution; theories of development and heredity. Open to all students. Lecture, Tuesday and Thursday at 11.
Two hours, second semester.

16. **Marine Zoology**—Work will be carried on at the Marine Biological Laboratory at Puget Sound, Friday Harbor, Washington. The work will be done under the direction of the Department of Zoology of the University of Oregon. Credit will be given on the same basis as the Summer School work at Eugene.

17. **Studies of Birds**—Lectures and field work devoted to the study of the habits, classification, methods of flight, color, feeding habits, etc. Lecture, Thursday at 1; laboratory hours to be arranged. *Two hours, second semester.*

The following courses are required of those expecting to teach high school zoology:

	Catalog No. of Course	Semester Hours
Zoology	1 and 2	8
Elementary Physiology	11	2
Field Zoology	12	2

Equipment

The Zoological Laboratories are equipped with microscopes, models, and other apparatus for all the ordinary work in Zoology, Microscopical Anatomy, and Physiology, and a number of skeletons for work in Comparative Anatomy and Human Osteology. The department will endeavor to furnish special apparatus as the occasion demands.

The Museum contains a fine series of birds and mammals, mounted and unmounted, to illustrate different groups; a collection of Oregon reptiles, made by Mr. J. R. Wetherbee; a series of fish, mostly salmonidae from the Columbia River, donated by the United States Government; a collection of food fishes of the Oregon Coast, made by Mr. B. J. Bretherton, of Newport, Oregon, and presented to the University.

Laboratory Fees in Zoology

A deposit fee is required in all courses in this department, with the exception of Zoology 9, 15. In the courses requiring laboratory deposits, the fee for Zoology 1, 2, 11, 12 and 17 is $2.00; the remainder, $5.00.

Although the apparatus loaned to the student is expensive, the fee is not intended to meet this in any measure, but to cover the cost of the materials used and the apparatus not returnable. A certain portion of the fee is returned to the student in all courses except Zoology 1, 2, 11, 12 and 17, if there has been no breakage, or in case the money has not been used to buy additional materials. The usual expense to the student in the advanced courses is from $2.50 to $4.00.

SCHOOL OF ARCHITECTURE AND ARTS

THE FACULTY

P. L. CAMPBELL, B. A., LL. D., EUGENE.
President of the University.

ELLIS FULLER LAWRENCE, S. M., F. A. I. A., PORTLAND.
Dean School of Architecture.

EDWARD HIRAM MCALISTER, M. A., EUGENE.
Professor of Structures.

PERCY PAGET ADAMS, B. S., EUGENE.
Professor of Graphics.

ALLEN EATON, B. A., EUGENE.
Instructor in Art Appreciation.

ROSWELL DOSCH, EUGENE.
Instructor in Drawing and Modeling.

LOUIS C. ROSENBERG, EUGENE.
Instructor in Architectural Design.

Each year men and women distinguished in Architecture and in the allied professions are invited to lecture before the School of Architecture. Lecturers during the years 1914-1915 were:

W. R. B. WILCOX,
Fellow American Institute of Architects, Seattle.

A. E. DOYLE,
President Oregon Chapter American Institute of Architects, Portland.

E. T. MISCHE,
Formerly Park Superintendent, Portland.

FOLGER JOHNSON,
Architect, Portland.

WADE PIPES
Architect, Portland.

CHARLES MCGONIGLE,
Engineer, Portland.

MRS. RALPH WILBUR,
Portland.

HENRY WENTZ,
Artist, Portland.

GENERAL STATEMENT

The organization in 1914 of the School of Architecture and Arts, was in answer to a popular demand for architectural training. The school will endeavor to give the comprehensive training necessary to insure a capable architectural profession in the State worthy of the confidence of the public, and to inspire the same progressive standard in its buildings as marks its achievements in other fields of activity.

The school has received the endorsements of the Oregon Chapter of the American Institute of Architects.

THE UNIVERSITY OF OREGON COURSE

The School of Architecture and Arts is offering a four-year course with strong entrance requirements. This high standard of entrance may make it necessary for the student to spend one year or more in general university work before entering the school.

DEGREES OFFERED

For the successful completion of the four-year course in the Design Option, the Degree of Bachelor of Architecture is offered.

For those registered in the department before the school year of 1915-1916 who have answered the general University requirements for entrance and general scholarship standing, a degree of Bachelor of Arts will be given in place of the degree of Bachelor of Architecture, unless the work called for in the following synopsis of the course is made up by extra work. Values will be given for summer work and in actual office experience.

FACILITIES AND EQUIPMENT

The School of Architecture and Arts is housed in the new Architectural Building. It has two liberal draughting rooms very well lighted, and an ample studio with a collection of casts and reproductions of architectural renderings.

A liberal budget allowance has been made for the continued purchase of slides and architectural books, which should make the equipment most satisfactory for the coming year's work.

FEES

An annual registration fee of $2.00 is required from each student by the Society of Beaux Arts Architects. It is compulsory for each student in the sophomore, junior and senior years to pay this registration fee in order to be eligible to take such problems of the Beaux Arts Society as the Professor of Design may designate.

PRIZES

Mr. A. E. Doyle, president of the Oregon Chapter of the American Institute of Architects, announced in his address at the opening of the school in 1914, that the Oregon Chapter expected to give a prize for the best student work done each year in the course of Architecture.

EXHIBITIONS

Special exhibitions are held in the exhibition hall continuing throughout the year. The following exhibits have been given during the last year: Loan exhibit from Portland architects, collection of student work from the Massachusetts Institute of Technology, a collection of art work done in the public schools of Portland under the direction of Miss Esther Wuest, a collection of Japanese prints, collections of works from contemporary American water color artists, American illustrators, American oil painters; and exhibits of the work of Henry Wentz, Portland, and Albert Schroff, Boston.

SYNOPSIS OF THE COURSE IN ARCHITECTURE

DESIGN OPTION

FRESHMAN YEAR

FIRST SEMESTER

Subject	*Course*	*Credits Each Semester*
English Composition	English 1	3
Trigonometry	Mathematics 1 C	3
Elementary German, or Elementary French	German 1, or Romance Languages 1	5
General Physics	Physics 3	4
Descriptive Geometry	Graphics 26	2
Physical Training		
	Total credits,	17

SECOND SEMESTER

Subject	*Course*	*Credits Each Semester*
English Composition	English	3
Elementary German, or	German 1, or	
Elementary French	Romance Languages	5
General Physics	Physics 4	4
Descriptive Geometry	Graphics 27	2
Shades and Shadows	Graphics 28	1
Architectural Design (Elements-Orders-Rendering)	Architecture 1	1
Theoretical Design	Art 86	1
Physical Training		

Total credits, 17

SOPHOMORE YEAR

FIRST SEMESTER

General Chemistry	Chemistry 1	4
Analytical Geometry and Calculus	Mathematics 3	3
Advanced German, or	German 2, or	
Advanced French	Romance Languages 2	4
Architectural History	Architecture 12	1
Drawing	Drawing 46	1
Water Color	Drawing 49	1
Architectural Design, Elementary	Architecture 2	3
Physical Training		

Total credits, 17

SECOND SEMESTER

Analytical Geometry and Calculus	Mathematics 3	3
Elective		3
Architectural History	Architecture 13	1
Research, Ornament and Style	Architecture 18	1
Geology of Building Materials	Geology 12	2
Perspective	Graphics 29	1
Drawing	Drawing 47	1
Water Color	Drawing 48	1
Architectural Design, Elementary	Architecture 3	4
Physical Training		

Total credits, 17

JUNIOR YEAR

FIRST SEMESTER

Elective		3
Architectural History	Architecture 14	2
Research, Ornament and Style	Architecture 19	1
Applied Mechanics	Construction 69	3
Drawing	Drawing 50	1
Life Class	Drawing 51	1
Architectural Design, Intermediate	Architecture 4	4
Domestic Architecture	Architecture 8	1
Specifications and Working Drawings	Architecture 10	1

Total credits, 17

SECOND SEMESTER

Subject	*Course*	*Credits Each Semester*
Pen and Pencil	Drawing 55	1
Elective		2
Architectural History	Architecture 15	2
Research, Ornament and Style	Architecture 14	1
Applied Mechanics	Construction 70	3
Life Class	Drawing 52	2
Architectural Design, Intermediate	Architecture 5	4
Domestic Architecture	Architecture 9	1
Specifications and Working Drawings	Architecture 11	1
	Total credits,	17

SENIOR YEAR

FIRST SEMESTER

Elements of City Planning	Architecture 16	1
Special Subjects: Heating, Ventilating, Plumbing, Accoustics, Illuminating, Color	Construction 66	1
Life Class	Drawing 53	1
Pen and Pencil	Drawing 57	1
Modeling	Architecture 6	7
Architectural Design		
Building Materials and Constructive Types	Construction 68	1
	Construction 71	2
Constructive Design		
	Total credits,	15

SECOND SEMESTER

Elements of City Planning	Architecture 17	1
Special Subjects: Sanitary Science and Public Health	Construction 67	1
Business Relations (The Architect's Office, Client Contractor, Contracts-Law	Architecture 20	1
Life Class	Drawing 54	1
Cartoons for Mural and Stained Glass	Drawing 59	1
Modeling	Drawing 58	1
Architectural Design	Architecture 7	7
Constructive Design	Construction 72	2
	Total credits,	15

NOTE.—Three hours of drawing required for one credit value.

STRUCTURAL OPTION

For the freshman and sophomore years the schedule will be identical with the Design Option. A further announcement of this option may be made within the year.

DESCRIPTION OF COURSES

ARCHITECTURE

1. **Architectural Design**—Elements, orders and rendering. Professors LAWRENCE and ADAMS and Mr. ROSENBERG. Freshman subject. *One credit hour, second semester.*

2 and 3. **Architectural Design**—Elementary. Based upon the schedule of work outlined by the Beaux Arts Society as far as possible. Throughout the year. Professor LAWRENCE and Mr. ROSENBERG. Sophomore subject.

Three credit hours, first semester.
Four credit hours, second semester.

4 and 5. **Architectural Design**—Intermediate, throughout the year. Professor LAWRENCE and Mr. ROSENBERG. Junior subject.

Four credit hours, both semesters.

6 and 7. **Architectural Design**—Throughout the year. Professor LAWRENCE and Mr. ROSENBERG. Senior subject.

Seven credit hours, both semesters.

8. ***Domestic Architecture**—Site, landscaping, exterior, plan. Professor LAWRENCE and special lecturers. Lectures and drawing. Junior subject. *One credit hour, first semester.*

9. ***Domestic Architecture**—Details, interior decoration, furniture. Professor LAWRENCE and special lecturers. Lectures and drawing. Junior subject. *One credit hour, second semester.*

10 and 11. ***Domestic Architecture**—Specifications and working drawings. Throughout the year. Professors ADAMS and LAWRENCE. Lectures and drawing. Junior subject.

One credit hour, both semesters.

12 and 13. ***Architectural History**—Throughout the year. Egyptian, Assyrian, Persian, Grecian, Roman and Byzantine. Lectures, sketches from screen and research. Professor LAWRENCE. Sophomore subject. *One credit hour, each semester.*

14 and 15. ***Architectural History**—Throughout the year. Romanesque, Gothic and Renaissance and Modern. Lectures, sketches from screen and research. Professor LAWRENCE. Junior subject. *Two credit hours, each semester.*

* These courses are open to University students not majoring in Architecture.

16 and 17. *__Elements of City Planning__— Throughout the year. Lectures, research and drawing. Professor LAWRENCE. Senior subject. *One credit hour, each semester.*

18 and 19. **Research and Ornament**— The history of the styles. Drawing. Professor LAWRENCE and Mr. ROSENBERG. Senior subject. *One credit hour, each semester.*

20. **Business Relations, Contracts, Business Law**—Lectures. Senior subject. Professor ———.
One credit hour, second semester.

GRAPHICS

26 and 27. *__Descriptive Geometry__—Lectures and drawing. Professor ADAMS. Freshman subject.
Two credit hours, each semester.

28. *__Shades and Shadows__— Lectures and drawing. Professor ADAMS. Freshman subject. *One credit hour, second semester.*

29. *__Perspective__— Lectures and drawing. Professor ADAMS. Sophomore subject. *One credit hour, second semester.*

DRAWING

46 and 47. *__Drawing__— Sophomore subject. Mr. DOSCH.
One credit hour, each semester.

48 and 49. *__Water Color__ — Throughout the year. Mr. ROSENBERG. Sophomore subject.
One credit hour, each semester.

50. *__Drawing__— Mr. DOSCH. Junior subject.*
One credit hour, first semester.

51 and 52. *__Life Class__— Throughout the year. Mr. DOSCH.
One credit hour, first semester.
Two credit hours, second semester.

53 and 54. *__Life Class__—Throughout the year. Mr. DOSCH.
One credit hour, each semester.

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* These courses are open to University students not majoring in Architecture.

55 and 56. *__Pen and Pencil__—Throughout the year. Mr. ROSENBERG. Junior and senior subject.
One credit hour, each semester.

57 and 58. *__Modeling__—Throughout the year. Mr. DOSCH. Senior subject. *One credit hour, each semester.*

59. *__Cartoons for Mural and Stained Glass__—Senior subject.
One credit hour, second semester.

CONSTRUCTION

66. *__Special Subjects__—Heating, Ventilating, Plumbing, Acoustics, Illumination and Color. Lectures. Dr. BOYNTON, Dr. CASWELL, and special lecturers. Senior subject.
One credit hour, first semester.

67. *__Special Subjects__—Sanitary Science and Public Health. Lectures. Professor SWEETSER and special lecturers. Senior subject. *One credit hour, second semester.*

68. *__Building Materials and Construction Types__—Professor MCALISTER. Lectures. Senior subject.
One credit hour, first semester.

66 and 70. __Applied Mechanics__—Throughout the year. Professor MCALISTER. Junior subject.
Three credit hours, each semester.

71 and 72. __Constructive Design__—Throughout the year. Lectures and drawing. Professor MCALISTER. Junior subject.
Two credit hours, each semester.

ART

86. *__Theoretical Design__—Lectures and drawing. Mr. DOSCH. Freshman subject. *One credit hour, second semester.*

* These courses are open to University students not majoring in Architecture.

OTHER REQUIRED SUBJECTS

FRESHMAN YEAR

English I—English Composition throughout the year.
Three credit hours, each semester.

Mathematics I C—Plane Trigonometry.
Three credit hours, either semester.

Romance Language I—Elementary French.
Five credit hours, each semester.

Physics 3 and 4—General Physics throughout the year. Recitation and laboratory. Prerequisite, high school physics.
Four credit hours, each semester.

SOPHOMORE YEAR

Chemistry 1—Recitation and laboratory.
Four credit hours, first semester.

Romance Language 2—Advanced French. Prerequisite, Romance Language 1. *Four credit hours, first semester.*

Mathematics 3—Analytical Geometry and Calculus throughout the year. Prerequisite, *Algebra, Plane Geometry, Solid Geometry and Trigonometry.
Three credit hours, each semester.

Geology 12—Geology of Building Materials.
Two credit hours, second semester.

Electives—Subject to the approval of the Dean.
Three credit hours, second semester.

JUNIOR YEAR

Electives—Subject to the approval of the Dean.
Three credit hours, first semester.
Two credit hours, second semester.

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*All architecture students must satisfy the department of Mathematics as to their preparation in Advanced Algebra before taking this course. Unless the student has unusual preparation it will be necessary to take Mathematics 1 B as a prerequisite for this course.

GENERAL UNIVERSITY COURSES OFFERED BY THE SCHOOL

GRAPHICS

30 and 31. **Mechanical Drawing**—Throughout the year. A course in Projections, Isometric Drawing, Developments, Intersection, Tracing, etc. Freshman subject.

Two credit hours, each semester.

32 and 33. **Lettering**—Throughout the year. Professor ADAMS. *One credit hour, each semester.*

ART

87 and 88. **Pedagogy of Art**—Throughout the year. Professor ———. *Two credit hours, each semester.*

89 and 90. **Pedagogy of Art**—Throughout the year. Professor ———. *Two credit hours, each semester.*

91 and 92. **History of Civilization and Art**—Throughout the year. Professor ———. Lectures.

Three credit hours, each semester.

93 and 94. **Theory and Processes of Decorative Art**—Throughout the year. Professor ———.

One credit hour, each semester.

95 and 96. **Technique of the Artist**—Throughout the year. Mr. DOSCH. *One credit hour, each semester.*

97 and 98. **Art Appreciation**—Throughout the year. Mr. EATON. Lectures and laboratory.

Two credit hours, each semester.

SCHOOL OF COMMERCE

FACULTY

P. L. CAMPBELL, LL. D., EUGENE
President.

D. WALTER MORTON, M. A., C. P. A., EUGENE
Dean of the School of Commerce and Professor of Commerce.

HARRY B. MILLER, EUGENE
Director of Commercial and Industrial Survey.

JAMES D. BARNETT, Ph. D., EUGENE
Professor of Political Science.

ERNEST SUTHERLAND BATES, Ph. D., EUGENE
Professor of Rhetoric and American Literature.

HERMAN A. CLARK, M. A., EUGENE
Assistant Professor of Latin.

TIMOTHY CLORAN, Ph. D., EUGENE
Professor of Romance Languages.

EDGAR E. DECOU, M. S. EUGENE
Professor of Mathematics.

FREDERICK S. DUNN, M. A., EUGENE
Professor of Latin Language and Literature.

JAMES H. GILBERT, Ph. D., EUGENE
Professor of Economics.

NATHAN C. GRIMES, M. A., EUGENE
Professor of Mathematics.

EDWARD W. HOPE, Ph. D., EUGENE
Professor of Law.

G. ROBERT MCAUSLAN, EUGENE
Professor of Commerce.

WALLE MERRITT, J. D., EUGENE
Professor of Law.

GRAHAM JOHN MITCHELL, M. A., EUGENE
Assistant Professor of Geology.

ROBERT P. REEDER, LL. M., EUGENE
Professor of Law.

EDWIN CLYDE ROBBINS, Ph. D., EUGENE
Assistant Professor of Economics and Sociology.

FRIEDRICH GEORG G. SCHMIDT, Ph. D., EUGENE
Professor of the German Language and Literature.

WARREN D. SMITH, Ph. D., EUGENE
Professor of Geology.

DON C. SOWERS, Ph. D., EUGENE
Professor of Municipalities and Public Accounting.

W. F. G. THACHER, M. A., EUGENE
Professor of Rhetoric.

EDWARD THORSTENBERG, Ph. D., EUGENE
Professor of Scandinavian Languages and Literatures.

ROY MARTIN WINGER, Ph. D., EUGENE
Assistant Professor of Mathematics.

FREDERICK GEORGE YOUNG, B. A., EUGENE
Professor of Economics and Sociology.

FIRST YEAR

First Semester		Second Semester	
Subject	*Hours*	*Subject*	*Hours*
English	3	English	3
Modern Language	5	Modern Language	5
College Algebra	3	Mathematics of Inv.	3
Economic History	2	Industrial History	2
Elective	2	Elective	2

SECOND YEAR

Principles of Economics	3	Principles of Economics	3
Modern Language	4	Modern Language	4
Accounting Principles	3	Accounting Principles	3
Economic Geography	2	Commercial and Industrial Survey	1
Commercial and Industrial Survey	1	Economic Geography	2
Electives		*Electives*	
Retail Selling	2	Show Card Writing	2
Life Insurance	2	Fire Insurance	2
or		or	
Any courses open to sophomores.		Any courses open to sophomores.	

THIRD YEAR

Business Law	3	Business Law	3
Electives		*Electives*	
Business Organization and Management	3	Employment and Executive Management	3
Commercial and Industrial Survey	1	Commercial and Industrial Survey	1
Municipal Administration	3	Municipal Accounting	3
Retail Accounting	2	Retail Accounting	2
Cost Accounting	2	Cost Accounting	2
Foreign Commerce	3	Domestic Commerce and Resources of the N. W.	3

FOURTH YEAR

Electives		*Electives*	
Credits, Collections and Purchasing	3	Methods of Commercial Teaching	2
Solutions of C. P. A. Problems	2	Solutions of C. P. A. Problems	2
Institutional Accounting	2	Practical Banking	2
Commercial and Industrial Survey	1	Advertising	2
Lumber Accounting	2	Public Utility Accounting	2
Auditing	2	Commercial and Industrial Survey	1
Investments	3	Railroad Accounting	2
Cost Accounting for Printers	2	Auditing	2
Office Management	2	Salesmanship	2
		Investments	3

PROFESSIONAL COURSES IN COMMERCE AND INDUSTRY

1. **Accounting Principles**—This course is required of all majors in Commerce. A knowledge of the elementary principles of bookkeeping is required, and only a very limited time is spent in bookkeeping review. The course includes a study of the classification of accounts, opening and closing entries, the theory underlying the various books of original entry and the general and subsidiary ledgers, the making of revenue statements, a study of stocks and bonds, the accounting principles involved in handling the accounts of a corporation, the theories regarding depreciation and reserves and the balance sheet and its interpretion. The student is required to work out a set of accounts for a partnership business, for the review of bookkeeping principles. In connection with the later study in the subject, some thirty-two problems illustrating the principles of accounting theory are studied in the course. *Three hours, both semesters.*

2. **Institutional Accounting**—This course takes up accounting methods employed in state institutions, such as hospitals, prisons and charitable institutions. *Two hours, first semester.*

3. **Lumber Accounting**—Lumber accounting includes a study of the classification of lumber accounts, distribution of overhead expense for lumber manufacturing plants, lumber operating, shipping accounts, etc. *Two hours, first semester.*

4. **Retail Accounting**—A study of the special accounting forms necessary for a retail business, including forms and accounts for gathering separate departmental operation expenses, control of receipts, expenditures, sales, purchases, inventory of goods, etc. *Two hours, both semesters.*

5. **Municipal Finance and Accounting**—The aim of this course is to give practical training in every phase of municipal accounting and reporting. Considerable attention will be given to budget making. Other topics discussed are purchase records and methods, payrolls, stores control, expense analysis and municipal costs. The double entry system of bookkeeping, as applied to municipal accounts, is illustrated and explained. The prerequisite for this course is Principles of Accounting, or its equivalent. *Three hours, second semester.*

6. **Cost Accounting**—This course begins with a study of the theory of cost accounting, including the various methods of distributing overhead expense, devising the forms necessary to obtain the cost data, the relation between the cost books and the general books and the reasons therefor, and a study of the various cost finding systems, product, process, departmental, etc. The laboratory work in connection with the course includes the working out of a set of cost accounts for a business, so as to illustrate in practice the theory studied in the earlier part of the course. *Two hours, both semesters.*

7. **Cost Accounting for Printers**—This course includes drills in the general principles of bookkeeping, with special application to the printing business. It also includes elements of cost finding and the principles involved in the installation of a cost system, as the ones approved by the United Typothetae and Ben Franklin Clubs of America. *Two hours, second semester.*

8. **Solutions of C. P. A. Problems**—This course includes a study of the solutions of the various types of problems which have been set by the C. P. A. examiners of the different states in of the solutions of the various types of problems which have been set by the C. P. A. examiners of the different states in which there are C. P. A. laws in existence. The course includes solutions of problems involving a knowledge of partnership, executor's accounts, corporations, revenue accounts, fire insurance accounts, real estate accounts, manufacturing cost accounts, mergers, liquidations and realizations, etc.

Two hours, both semesters.

9. **Auditing**—A study is made of the methods and procedure in connection with detailed, continuous and balance sheet audits. The methods of procedure in audits for various kinds of businesses are discussed. The student is asked to make an audit of some actual business in which he is interested. Every effort is made to make the course practical by supplying actual conditions for a required audit. *Two hours, both semesters.*

10. **Business Organization and Management**—This course deals with the organization of business enterprises; the characteristics and relative advantages of individual proprietorship, partnership or corporation; the principles of organization and manage-

ment as applied to each function of a business enterprise, such as salesmanship and selling methods, advertising, credits and collections, handling orders, billing systems, traffic and shipping, etc. The organization and work of industrial and commercial associations. *Three hours, first semester.*

11. **Municipal Administration**—A detailed study of the organization and methods of conducting public business in the various departments, such as police, fire, health, public works, and park departments. The principles of city planning. The application of the principles of scientific management to municipal administration. *Three hours, first semester.*

12. **Salesmanship and Sales Management**—This course deals with the general principles of salesmanship, the relation between the salesmen and the customer, the approach to the customer, the presentation of the product, closing the sale, the various methods of enthusing sales forces, and methods of conducting special sales campaigns. *Two hours, second semester.*

13. **Business Law**—This course continues throughout the year and includes contracts, partnership, agency, corporations, real property, wills and administration, sales, insurance, etc., as they affect the business man. In connection with the various topics studied, the student is asked to brief cases, giving legal opinions and holdings, illustrating the various principles of law involved in the text. *Three hours, both semesters.*

14. **Practical Banking**—The actual work of a bank is the basis for this study. The duties of the officers, tellers, clerks, and heads of the various departments are taken up in detail. The forms used and the methods for determining the credit rating of prospective borrowers are discussed, and all forms are actually shown to the student. The course is concluded by working out a set of bank accounts, illustrating the actual work and accounts of a small national bank, including the problems which face the officers and cashier relative to reserve requirements, investment of surplus funds, reconciliation of accounts between correspondent banks, distributing the balance of the undivided profits accounts as dividends and reserves, reports to the comptroller of the currency, etc. Prerequisite: Money and Banking. *Two hours, first semester.*

15. **Public Utilities**—This course takes up the nature of public utility enterprises, their relation to the public, their accounting methods, the rate regulation, physical valuations, and the work of the public service commission. It deals with such public utilities as water, gas and electric, telephone and telegraph utilities. *Two hours, second semester.*

16. **Methods of Commercial Teaching**—The content of the commercial course, the year in which the various subjects should be introduced, the method of presenting commercial subjects, including demonstration practice work, are all treated in this course. Prerequisite: 15 hours in Education. *Two hours, second semester.*

17. **Domestic Commerce**—This course is a study of ocean and inland water transportation. It includes a study of the origin of the ocean carrier, the ocean mail service, the ocean freight service, ocean rates and fares, competition, rate and traffic agreements, history of the American merchant marine; and its present status. Some of the practical problems discussed are the relation of the Seaman's Act to the shipping industry, the work of the federal trade commission, and the present method of making preparations for internal waterway improvements. The latter part of the course is devoted to river transportation, canals and the traffic of the Great Lakes, and finally the influence of the Panama Canal upon internal transportation is discussed. The basis for the course is Johnson, Ocean and Inland Water Transportation. *Three hours, first semester.*

18. **Foreign Commerce and Resources of the Northwest**—In this course an attempt is made to correlate the resources of the Northwest with possible markets for our surplus products which may be found in South America. It is limited to a study of South American markets. A study is made of the geographic features of all South American countries, their exports, imports, methods of doing business, custom houses, tariffs, finances and credits, packing and shipping, and transportation rates. Extensive outside reading is required in the Daily Consul and Trade Reports and other publications of the Bureau of Foreign and Domestic Commerce. The text used is Selling Latin America, W. E. Aughinbaugh. *Three hours, second semester.*

19. **Credits and Collections**—The aim of this course is to cover all the duties and obligations devolving upon the credit department. It covers the organization of a credit office, the qualifications of a credit man, sources of credit information, adjustment bureaus, collections, bankruptcy legislation, and the economics of the credit system. It aims to train persons for occupying the position of credit manager. *Three hours, first semester.*

20. **Purchasing** —This course treats of the function, the organization and routine procedure of a modern purchasing department. The forms and their uses, methods of obtaining and filing information, and several concrete examples of particular purchasing departments, such as for electric roads, manufacturing establishments, and construction companies. It aims to prepare the student for occupying the position of purchasing agent. The text used is Twyford's Purchasing.

21. **Employment and Executive Management**—In this course an attempt is made to apply the principles of psychology and sociology to business management. It deals first with the qualities of an executive, and second, with the means employed by an executive to motivate his organization, and the reaction of his co-workers upon him. It includes a study of the employment manager, the methods employed in selecting employes, in hiring, training, holding, and promoting, so as to develop a high grade business organization. The text used is Gowin's, The Executive, His Control of Men. *Three hours, second semester.*

22. **Vocational Guidance**—The purpose of this course is to present the facts which will help the students to select their life work and to help each student to make the most of his abilities and opportunities. Bloomfield's Readings in Vocational Guidance is the basis for class discussion.

23. **Life Insurance**—This course deals with the various kinds of insurance, the simple mathematics of life insurance, the kind of policies issued, the provisions found in standard policies, and investment of life insurance funds. Considerable attention is given to the principles of life insurance salesmanship. Lectures by practical insurance men are given throughout the year. The texts used are the educational leaflets issued by the Mutual Life Insurance Company, and Huebner's Life Insurance.

Two hours, first semester.

24. **Property Insurance**—Theoretical and economic aspects of fire, marine, title, and credit insurance, the legal principles involved, organization, management, and insurance practice, with special reference to Oregon. *Two hours, second semester.*

25. **Retail Selling and Store Management**—The course treats all the more important activities of a typical retail store. It deals with retail selling and special problems connected therewith, the efficient organization and management of the store, store policy, cost of selling, methods of buying, retail advertising, retail credits and collections, and the relation of the store to its sales people and to the business organization and management. *Two hours, first semester.*

26. **Advertising**—The basis of this course is the textbook of Tupper, Hollingsworth, Hotchkiss and Parsons. The advertisement is studied from the standpoint of the language, the makeup of the advertisement, the type and color background, etc. Emphasis is laid on planning advertising campaigns. Students are asked to actually map out an advertising campaign for some one product in which they are interested. The work is made practical by having the class write advertisements for the events which occur during the University year. General advertising rather than retail is emphasized. *Two hours, second semester.*

27. **Commercial and Industrial Survey**—The class in Commercial and Industrial Survey, since the beginning of the work on the campus in 1914, on alternate Wednesdays, has had the opportunity to hear lectures from men from all walks of business on some phase of the business in which they have been especially successful. *One hour, both semesters.*

28. **Marketing Methods**—This course includes discussions of the various marketing methods, including the trade factors and trade channels, retail selling, mail order selling, chain stores, the place of the jobber, national advertising, and manufacturers' campaigns and the methods of conducting them.

30. **Office Management**—How to organize an office force; duties of the management and clerks; getting out and filing correspondence; efficiency methods and tests, etc.

SCHOOL OF EDUCATION

FACULTY

P. L. CAMPBELL, A. B., LL. D., President of the University.

HENRY DAVIDSON SHELDON, Dean, Professor History of Education.

FRED CARLETON AYER, M. S., Professor of Education.

E. S. BATES, Ph. D., Professor of Rhetoric.

HUGO BEZDEK, B. A., Director of Men's Sports.

JOHN FREEMAN BOVARD, M. S., Professor of Zoology.

WILLIAM PINGLEY BOYNTON, Ph. D., Professor of Physics.

R. W. BROECKER, B. A., Instructor in Education.

ROBERT CARLTON CLARK, Ph. D., Professor of History.

TIMOTHY CLORAN, Ph. D., Professor of Romance Languages.

EDMUND S. CONKLIN, Ph. D., Professor of Psychology.

EDGAR EZEKIEL DECOU, M. S., Professor of Mathematics.

M. H. DOUGLASS, M. A., Librarian and Instructor in Library Administration.

JAMES HENRY GILBERT, Ph. D., Professor of Economics.

HERBERT CROMBIE HOWE, Ph. D., Professor of Modern English Literature.

R. H. LYMAN, B. A., Dean of the School of Music.

ROSE POWELL, Instructor in Public School Methods in Music.

R. W. PRESCOTT, B. A., Professor of Public Speaking.

GEORGE REBEC, Ph. D., Professor of Philosophy.

ARCHIBALD F. REDDIE, B. A., Professor of Public Speaking.

JOSEPH SCHAFER, Ph. D., Professor of History.

FREDERICK GEORG G. SCHMIDT, Ph. D., Professor of German.

WARREN D. SMITH, Professor of Geology.

ORIN FLETCHER STAFFORD, B. A., Professor of Chemistry.

FREDERIC L. STETSON, M. A., Professor of Education.

ALBERT RADDIN SWEETSER, M. A., Professor of Botany.

W. F. G. THACHER, M. A., Professor of Rhetoric.

FREDERICK GEORGE YOUNG, B. A., Professor of Economics and Sociology.

ORGANIZATION

The School of Education of the University of Oregon was authorized by the Board of Regents in February, 1910. The general purpose of the school is to organize and correlate all the forces of the University which have for their ultimate aim the growth of educational efficiency in the State of Oregon. This work is done through the effective grouping of courses for teachers in the regular college curriculum, through the Summer School, the Correspondence School, and through investigation of questions of importance to the State and publication of results in bulletin form.

Courses in Observation and Practice-Teaching have been organized in connection with secondary courses given at the University, and by special arrangement with the Eugene and Springfield city secondary schools. The present arrangement provides for approximately sixty teachers annually.

EQUIPMENT

The equipment available for students in the School of Education consists of the following:

1. Collection of late eighteenth and early nineteenth century textbooks, 100 volumes.
2. Collection of contemporary texts, elementary and high school, 800 volumes.
3. Collection of State, city school reports, college and other catalogues, 1,200 volumes.
4. Collection of sources of educational history 1815-1850, 200 volumes.
5. Collection of contemporary and recent periodical literature, including fifty educational journals.
6. Special set of physical and psychical apparatus for purposes of examination of exceptional children in the educational clinic.

ADMISSION TO THE SCHOOL OF EDUCATION

The requirements for admission to the School of Education are the same as those for admission to the College of Literature, Science, and the Arts, viz: Fifteen units, representing

completion of a four years' high school course. Persons more than twenty years of age and properly qualified may enter the University as special students without complying with the above requirement, but no such student may be a candidate for a degree or University teacher's certificate until all entrance deficiencies are made up.

GRADUATION

The degree of Bachelor of Arts is conferred upon students of the School of Education who have secured 120 hours of college credit, exclusive of twelve semester hours required in physical training and including work required by the major professor.

CERTIFICATES ON GRADUATION

Graduates from the School of Education are entitled to teaching certificates as provided in the following Oregon school law:

Certificates shall be issued to graduates from standard colleges or universities who have completed one hundred and twenty (120) semester hours, including fifteen (15) semester hours in education as follows:

1. One-year State certificates shall be issued without examination, upon application, to such graduates of standard colleges and universities, authorizing them to teach only in the high schools of this State.

2. The holder of a one-year State certificate, issued in accordance with the provisions of this section shall, after six months' successful teaching experience in this State and upon the recommendation of the county superintendent of the county in which the applicant last taught, receive, without examination, a five-year State certificate authorizing him to teach only in the high schools of this State.

3. The holder of a five-year State certificate issued in accordance with the provisions of this section shall, after thirty months' successful teaching experience in this State and upon the recommendation of the county superintendent of the county in which the applicant last taught, receive, without examination, a State life certificate authorizing him to teach only in the high schools of this State.

4. The holder of a one-year State certificate, or a five-year State certificate, or a life State certificate, secured in accordance with the provisions of this section is hereby authorized to act as a city superintendent of schools of any city.

Fees are as follows, payable to the State Superintendent of Public Instruction:

One-year certificate	$1.00
Five-year certificate (after six months' teaching)	2.00

GRADUATE DEPARTMENT OF EDUCATION

This department is a department of the Graduate School of Arts and Science, and as such offers courses leading to the degree of Master of Arts and Master of Science. The advanced courses in Education aim to meet the needs of three classes of students: First, those who are preparing to give courses in the history and principles of Education in colleges and normal schools; second, those who are preparing to become supervisors and administrators in various types of schools; third, students in various departments of the University, who, in addition to the courses in the subject matter which they intend to teach, wish to become acquainted with the principles underlying all educational organization and method. The last mentioned class of students may take Education as a minor subject. Graduate students who have had no courses in Education but wish to complete the fifteen hours required for the State certificate should register in the undergraduate courses.

TEACHERS' APPOINTMENT BUREAU

The School of Education maintains a bureau for the registration of academic and professional records of Oregon alumni and recommends candidates for vacancies. In recent years the bureau has located many teachers and has had many positions to fill for which suitable candidates could not be found. This is particularly true of positions calling for men. The bureau aims to assist alumni of the University of Oregon only, and charges no fees for its services. All principals or school boards desiring teachers are requested to correspond with the Appointment Bureau. Seniors or alumni who desire

to register with the bureau should apply to the Registrar for the sheet of preliminary instructions. The recommendation of the bureau will be limited to candidates who have taken courses as prescribed by the faculty of the School of Education.

SUMMER SCHOOL

Beginning the latter part of June of each year, the University conducts a summer school of six weeks in length, the chief aim of which is to furnish the superintendents, principals, and teachers of the State the courses needful in their work. Special lecturers of eminence are secured to keep the work fully abreast of the times. Bulletins fully describing the work of the Summer School will be mailed to all those who apply.

CORRESPONDENCE COURSES

The University operates a Correspondence School which enables energetic principals and teachers at a distance from the University to carry on studies under the direct supervision of the University departments. A circular containing the details of this division will be sent on application to the Correspondence Study Department.

COURSES OF INSTRUCTION

I. Introductory Courses

(Open to anyone with teaching experience, and to all others except first-year students.)

1. **Principles of Education.**
   Two hours, repeated each semester.
2. **History of Modern Education.**
   Two hours, repeated each semester.

II. Courses for Juniors and Seniors

3. **Educational Psychology.** *Three hours, first semester.*
4. **Genetic Psychology.** *Three hours, second semester.*
5. **Secondary Education.**
7. **Observation of Teaching.**
   Two hours, repeated each semester.

III. Courses for Seniors and Advanced Students

(These courses may be taken for graduate credit. Certain prerequisites are necessary for registration.)

8. **School Administration.** *Three hours, first semester.*

9. **Curriculum.** *Three hours, second semester.*

12. **Supervised Teaching**—Courses 1, 2, 3 or 4, 5, and 7. *Three to five hours, repeated each semester.*

14. **Library Methods and Periodical Literature of Education.** *Two hours, second semester.*

IV. Graduate Courses of Instruction

15. **Experimental Education.** *Three hours, both semesters.*

16. **Philosophy of Education.** *Three hours, both semesters.*

17. **Clinical Child Psychology.** *Three hours, second semester.*

18. **History of Education in America.** *Three hours, one semester.*

19. **History of Education in England from the Sixteenth Century**—(Not given in 1916-17.)

20. **History of Education in Germany from the Sixteenth Century.** *Three hours, first semester.*

21. **History of Education in America.** *Three hours, second semester.*

22. **Education Club.** *Two hours, each semester.*

V. Courses in Methodology Offered by the Different Departments

(Credit in Education as part of the fifteen hours required for a teacher's certificate may be gained, to the extent of four semester hours, in courses in this group. The courses are primarily concerned with the teaching of the various subjects.)

Botany 12, one hour a week, one semester.
English 52, one hour a week, both semesters.
English 63, one hour a week, both semesters.
German 12, two hours a week, second semester.
History, one hour a week, one semester.

Journalism 4, one hour a week, one semester.
Latin, two hours a week, one semester.
Mathematics 7-8, one hour a week, both semesters.
Physics 15, two hours a week, one semester.
Music, two hours a week, two semesters.
Physiology, one hour a week, one semester.
Drawing, two hours a week, one semester.
Romance Language 12, two hours a week, second semester.
Theory and Coaching of High School Sports, two hours a week, two semesters.

See also special courses in physical training and athletic sports.

VI. Related Courses of Instruction

The attention of students of Education is directed to the courses listed under the departments of Psychology, Philosophy and Sociology, many of which are directly related to the content of Education.

SPECIAL COURSES OF STUDY

The School of Education, by means of professional training in the Department of Education and academic instruction in the respective University departments, is prepared to train the following classes of teachers. For detailed courses consult the following pages:

1. High school and grammar school department teachers.
2. Superintendents, principals, teachers of normal training.
3. Special supervisors of music, art, physical training, athletic sports and public speaking.

1. Course of Study for High School Teachers

Students expecting to teach in the high school should take Education 1 and 2, 3 or 4, 5. Observation and Practice Teaching, two or three courses in Group V (special methods), and one or two of the departmental academic courses listed below:

Courses Required by Departments

The following list of the courses of study necessary to equip teachers in the different high school subjects represents the irreducible minimum which the department in question considers necessary to insure superior teaching. Under the ordinary conditions no student will be recommended for a position in a department of a large high school who has not carried successfully in his college course all the work outlined. Exceptions may be made of small high schools where the candidate must of necessity teach a large variety of subjects. In schools of this class, where the faculty is limited to three teachers or less, students will be recommended upon the successful completion of shorter courses in the subject to be taught. In foreign languages students, to secure recommendations, must have taken at least four years' work, of which two years must have been completed in a college or university.

It is advisable for students to fit themselves for teaching more than one subject. While the demand for teachers in the different subjects fluctuates from year to year, there is at present a particularly strong demand for men capable of teaching one department and acting as physical director. Ability to supervise music, athletics or public speaking, adds materially to the chances of securing a first-class position. Various combinations of subjects are asked for, but the majority of calls are for teachers of two or more adjacent subjects as arranged in the following group: German, Latin, English, History, Civics, Mathematics, Science (*i. e.*, Physics, Biology, Physiology, Chemistry, Physiography), Manual Training, Commercial Subjects.

The courses agreed upon by the various departments as requisite for a teacher's recommendation in a high school are as follows. Each student upon graduation should be in a position to teach one major and two minors. The present list is made to fit the requirements for minors:

Latin

Six years of work in the subject is required, or at least two years beyond the four years offered in the secondary schools. *Fifth year* Latin includes such standard authors as Cicero's

De Senectute, Virgil's Eclogues, a play of Plautus, Horace's Odes, Sallust's Jugurtha, selections from Catullus and Tibullus. *Sixth year*, Horace's Satires and Epistles, a book of Livy, Ovid's Tristia, a play of Terence, selections from Pliny and Martial.

GERMAN

	Catalog No. of Course	Semester Hours
Four years' consecutive work, including:		
Elementary German	4	10
Advanced German	2	8
German Classical Drama	3	6
and either		
German Fiction and Contemporary Literature	4	6
or		
The Nineteenth Century Novel	18	6
in addition to the teaching of German	12	

FRENCH

Elementary French	1	10
Advanced French	2	8
History of French Literature in Seventeenth Century	3	6
History of French Literature in Eighteenth and Nineteenth Centuries	4	6
French Conversation	6	2

SPANISH

Elementary Spanish	1	6
Advanced Spanish	2	4
Classical Spanish	3	4

English Language, Composition and Literature

	Catalog No. of Course	Semester Hours
English Composition	1 and 2	6
American Literature	59 and 60	4
English Literature (Fresh.)	31 and 32	6
Wordsworth	37	2
Shakespeare (one semester)	45 or 46	3
Teaching of English	63	4
Teachers' Course in Public Speaking		2
Teachers' Course in Dramatic Interpretation		2

History

Greece and Rome	1	3
Middle Ages	2	3
Renaissance and Reformation	3	3
Europe, 1648 to 1815	4	3
European History of Past Century	5	3
History of England	6	3
Early American History	7	3
Later American History	8	3

Mathematics

Advanced Algebra and Plane Trigonometry	1	6
Analytic Geometry and Calculus	3	6
Theory of Equations and Determinants	11	3
Teaching of Mathematics	7	1
History of Mathematics	8	1

Geology

For teachers of Physical Geography and Introductory Science.

Geology	1	*6
Physiography	2	†4

* Cannot be entered second semester. † Second semester.

PHYSICS

	Catalog No. of Course	Semester Hours
Physics	3 and 4	8
History and Teaching of Physics	15	2
Physical Technics	16	2

CHEMISTRY

General Chemistry	1	8
Analytical Chemistry	3	3
Organic Chemistry	5	4
Advanced Inorganic Chemistry	25	2

BOTANY

General Botany	1 and 2	8
Botany	8	4
Botany	12	2

ZOOLOGY

Zoology	1 and 2	8
Elementary Physiology	11	2
Field Zoology	12	2

The Department of Education recommends the following courses to students preparing for high school positions:

Sophomore Year—History of Education (Course 2), two semester hours; Principles of Education (Course 1), two semester hours. Psychology is also advisable, but does not count as Education.

Junior Year—Educational Psychology (Course 3), three semester hours; Secondary Education (Course 5), three semester hours; Observation of Teaching (Course 7), two semester hours.

Senior Year—Practice Teaching (Course 12), four or five semester hours.

These courses in Education will all be given during the second semester, 1915-16.

Course for Superintendents, Principals, Etc.

Students entering this course should major in Education.

Freshman Year—English Composition, three hours.

Sophomore Year—* Psychology, three hours; * Economics, three hours; Early American History, three hours; Education 1 and 2, two hours.

Junior Year—Genetic Psychology, three hours; Secondary Education, three hours; Later American History, three hours; Observation, two hours.

Senior Year—* School Administration—Organization of Curricula—three hours; Practice Teaching, four or five hours; Library Methods, two hours; Sociology, two hours.

A student may combine the above course with one or possibly two of the high school groups and thus prepare himself for some specific department in a high school, besides securing a general training in pedagogy which will be essential to him later on in his career.

Special Course for Music Teachers

It is within a comparatively short period that the necessity of special training for teachers of music has been realized, though schools affording such opportunities to teachers in other subjects have long been acknowledged as necessary. In recognition of this need, an opportunity will be given teachers to get such training in the School of Music.

The purpose of a normal department is to give the student of music a mental, musical and technical education that will equip him for teaching, and which will be at the same time invaluable to musicians who wish to have more than a superficial knowledge of their art.

First Year—Music (piano, voice or violin), two hours; German (Italian for voice), five hours; Literature, three hours; English, three hours; Elocution, one hour; Personal Hygiene, one hour; Physical Training.

* The courses starred may be taken by correspondence.

Second Year—Music (piano, voice or violin), two hours; Harmony (preparatory), one hour; German, four hours; English, three hours; Literature, three hours; Elocution, one hour; Physical Training.

Third Year—Music (piano, voice or violin), two hours; Sight Singing, one hour; Harmony, one hour; History of Music, one hour; Psychology, three hours; French, five hours; Special Methods in Teaching Music, two hours; Physical Training.

Fourth Year—Music (piano, voice or violin), two hours; Sight Singing, one hour; Education 3 and 4, three hours; Harmony, one hour; History of Music, one hour; Elocution, one hour; Practice Teaching Music, five hours; Physical Training.

Special Course for Teachers of Gymnastics

Freshman Year—French or German, five hours; English Composition, three hours; Botany, four hours; Public Speaking, one hour; Personal Hygiene.

Sophomore Year—Physics four hours; French or German (2), four hours; Zoology (1 and 2), three hours; Psychology (1), three hours.

Junior Year—Histology, three hours; Ostology, two hours; Chemistry, four hours; Education (3 and 4), three hours; Bacteriology, two hours; Theory of Gymnastics and Playground, two hours.

Senior Year — First semester: Physiology, four hours; School Hygiene, two hours; Corrective Gymnastics, three hours; Art of Teaching Gymnastics, two hours; Symptomatology, one hour. Second semester: Physiology, four hours; Sanitary Hygiene, two hours; Special Physiology, three hours; Anthropometry, two hours; Emergencies and Bandages, one hour.

Special Course for Directors of Athletics

For men who desire the ability of training athletic teams in connection with high school teaching. The course includes: (1) An introduction to the sciences underlying physical activity; (2) a practical study of personal hygiene, first aid to the injured and prescriptive exercise; (3) a detailed study of the theory, rules and methods of coaching each of the high school athletic sports, supplemented by practical work on the field, and (4) a professional study of educational theory and practice.

The following courses are offered:

Personal Hygiene, one hour, both semesters.

Theory and Coaching of High School Sports, two hours, both semesters.

The courses will be open to juniors and seniors who are prospective teachers. Successful completion of these courses will entitle students to a recommendation as Director of High School Sports.

SCHOOL OF JOURNALISM

FACULTY

P. L. CAMPBELL, President.
ERIC W. ALLEN, Dean.
COLIN V. DYMENT, Professor of Journalism.
A. J. DeLAY, Instructor in Printing.
D. W. MORTON, Professor of Business Administration.
E. W. HOPE, Professor of Law.
G. ROBERT McAUSLAN, Professor of Advertising.
EDMUND S. CONKLIN, Professor of Psychology.
W. F. G. THACHER, Professor of English.
M. H. PARSONS, Professor of English.

STANDARD ADVISORY JOURNALISM COURSE

(The development of a specialized line of information and ability is not only permitted, but is strongly advised, and for that purpose this standard course is subject to modification to meet the needs or ambitions of the individual student.)

FRESHMAN YEAR

First Semester	Hours	*Second Semester*	Hours
Newswriting	3	Newswriting	3
English	3	English	3
Science	4	Science	4
Language	5	Language	5
Elective	1	Elective	1

SOPHOMORE YEAR

	Hours		Hours
Newspaper Manufacturing	2	Newspaper Manufacturing	2
Printing	2	Printing	2
Proofreading	1	Proofreading	1
Continuation of First Year's Science or Language	2	Continuation of First Year's Science or Language	2
Political Science, Economics or Sociology	3	Political Science, Economics or Sociology	3
Psychology	3	Psychology	3
Elective	3	Elective	3

JUNIOR YEAR

	Hours		Hours
Advanced Newswriting	3	Advanced Newswriting	3
Copy Reading	1	Copy Reading	1
Psychology of Advertising	2	Advertising Practice	2
Current Events	1	Cost Accounting	2
Cost Accounting	2	Criticism	2
Criticism	2	Elective	6
Elective	5		

SENIOR YEAR

First Semester	Hours	*Second Semester*	Hours
History of Journalism and Editorial	3	History of Journalism and Editorial	3
Laws of the Press	1	Special Assignments and Conferences	1
Special Assignments and Conferences	1	Laboratory Cost Accounting	1
Laboratory Cost Accounting	1	Short Story Writing	2
Short Story Writing	2	Estimating	1
Estimating	1	Elective	10
Elective	9		

Electives should include at least ten or fifteen hours of History, especially recent history.

COURSES

1. **Newswriting**—Elements of the work of the newspaper reporter. Monday, Wednesday and Friday at 9. Mr. ALLEN.
Three hours, both semesters.

2. **Advanced Newswriting**—Prerequisite: Course 1 or its equivalent. Newswriting including special stories, Sunday features, and work involving difficulties in handling. Monday, Tuesday and Thursday at 8. Mr. DYMENT.
Three hours, both semesters.

3. **Newspaper Manufacturing**—To be taken in conjunction with courses 9 and 3a, forming a year course of 5 hours a week. The mechanical side of publishing. Tuesday and Thursday at 9. Mr. ALLEN. *Two hours, both semesters.*

3a and 3b. **Printing**—To be taken in conjunction with courses 3 and 9. Beginners' sections, Monday and Tuesday at 1. Lecture Friday at 8. Mr. DELAY. *Two hours, both semesters.*

3c. **Printing; Newspaper Make-up**—Advanced section, Friday at 1. Lecture Friday at 8. Mr. DELAY.

4. **Editorial Theory and History of Journalism**—Includes editorial writing. Tuesday, Thursday and Friday at 10. Mr. ALLEN. *Three hours, both semesters.*

5. **Law of the Press**—Law of Libel, Blackmail, Literary Property including Copyright, Privileged Communications, Federal Regulations, and other phases of law bearing on the Press. Given alternate years. Monday at 2. Dr. HOPE.
One hour, first semester.

6. **Copy Reading**—Laboratory open to students who are taking three hours of other courses in Journalism (excluding course 1). Tuesday and Thursday at 11. Mr. DYMENT.

Two hours, both semesters.

7. **Estimating on Printing**—Elective for seniors who expect to work in smaller cities. Prerequisite: Courses 3 and 3a or 3b and 3c. Companion course to course 12. Wednesday at 8. Mr. DELAY. *One hour, both semesters.*

8. **Current News**—Open to students who are taking three hours of other courses in Journalism. Friday at 8. Mr. DYMENT.

One hour, both semesters.

9. **Proofreading** — Laboratory open to students who are taking three hours of other courses in Journalism. Wednesday at 8. Mr. DYMENT. *One hour, both semesters.*

10. **Assignments and Conferences**— Private conferences and individual newsgathering assignments every week. Required of all seniors. Monday at 10. Mr. ALLEN.

One hour, both semesters.

12. **Laboratory Cost Accounting** — Prerequisite: Cost Accounting in Commerce, or course 3. Mr. ALLEN. Hours to be arranged.

Joint courses given by the cooperation of other departments of the University:

English 11. **Short Story Writing**—Professor THACHER.

Two hours, both semesters.

English 14. **Advanced Writing**—Professor THACHER.

One hour, second semester.

English 71. **Theory and Practice of Criticism**—MRS. PARSONS.

Two hours, both semesters.

Psychology 18. **Applied Psychology**— (Psychology of Advertising.) Professor CONKLIN. *Two hours, first semester.*

Commerce 7. **Cost Accounting for Printers** — Professor MORTON.

Commerce 26. **Advertising** — Professor MCAUSLAN.

SCHOOL OF LAW

FACULTY

P. L. CAMPBELL, A. B., LL. D.
President

EDWARD WILLIAM HOPE, Ph. D.
Dean and Professor of Law

JAMES DUFF BARNETT, Ph. D.
Professor of Public Law

WALLE MERRITT, J. D.
Professor of Law

ROBERT P. REEDER, LL. M.
Professor of Law

Lecturer on Oregon Practice and Procedure

REQUIREMENTS FOR ADMISSION

Applicants for admission to the first year class must be at least nineteen; to the second year class, twenty, and to the third year class, twenty-one years of age. Special students must be at least twenty-three years of age, and have other qualifications to be stated hereafter.

Graduates of approved universities or colleges and students who, in addition to an academic or high school course of four years, have completed two full years of work in an approved university or college, are admitted to the Law School as candidates for the degree. The Law School does not require any particular subjects to be selected during the necessary two years of college work, but it earnestly recommends that the subjects specified in the Pre-Legal Curriculum (hereinafter set forth) be pursued. Work of high school or academic grade taken during the college year will not be accepted as meeting the requirement of a college year. College courses in which there are unremoved conditions or other deficiencies will not be accepted.

PRE-LEGAL CURRICULUM

First Year

English Composition	6 hours
History (English and American)	6 hours
Chemistry	6 hours
Mathematics	6 hours
Latin (beginners' course)	8 hours
Elementary Law (required of all law students)	3 hours
Economics	4 hours
Physical Training	

Second Year

Latin	4 hours
Physics	6 hours
American Government	3 hours
Psychology	3 hours
French or German	8 hours
Economics	6 hours
History of Philosophy	6 hours
Logic	2 hours
Rhetoric	3 hours
Public Speaking	2 hours
Physical Training	

A selection from the above subjects should be made to the extent of at least 16 hours each semester.

ADMISSION OF SPECIAL STUDENTS

Persons who are more than twenty-three years of age, but whose preliminary training has not been sufficiently extensive to satisfy the requirements for admission as regular students, may, in exceptional cases, be admitted as special students. Applicants for admission under this rule must submit to the Dean recommendations as to character and evidence of the possession of general education, maturity, experience, and exceptional ability that may be considered a fair equivalent of the formal preliminary requirements made in the case of regular students.

No one should present himself for admission as a special student until he has first received from the Dean assurance that his application has been favorably acted upon. Special students will be required to pursue and complete the courses to which they are admitted with the same thoroughness as regular students. Certificates will be given to special students who have been in residence for a semester, stating the subjects pursued and the standings attained.

STATUS OF STUDENTS

(REGULAR, SPECIAL AND PARTIAL)

A *regular* student is one who is regularly admitted to the Law School, and who is a candidate for a degree.

A *special* student is one who is regularly admitted to the Law School but who, not being a candidate for a degree, does not take the regular course.

A *partial* student is one who is not regularly admitted to the Law School, but who attends one or more courses. The admission of partial students is in the discretion of the Dean and Faculty of Law. Entrance requirements for partial students are the same as for regular students.

ADMISSION TO ADVANCED STANDING

Admission to advanced standing is either upon examination or certificate from a law school of standard grade. Persons who have the necessary qualifications for admission to the Law School, and who have satisfactorily completed work in an approved law school, may, upon presentation of a certificate of scholarship and of honorable dismissal from such school, become candidates for advanced standing in this Law School to the extent of the work so completed. The certificate should show the nature of the work, the time it was pursued, the text or case books used and the grades received. Under similar conditions attorneys at law in good and regular standing from any state in which an adequate examination for admission to the bar is required may apply for one year's advanced standing (upon examination) in the Law School.

All candidates for advanced standing should secure the above-mentioned certificates of preparatory work and of legal study and send them to the Dean of the Law School before presenting themselves for admission.

COMBINED SIX-YEAR COURSE IN ARTS AND LAW

This combined course is open only to students who have maintained a uniformly good record for scholarship during the first three years of Arts and Sciences.

The student is enrolled in the College of Arts and Sciences during the first three years. If at the end of three years he has a uniformly good record for scholarship, and has earned in addition to the credits gained in the Pre-Legal Curriculum enough more to bring his total number of credits up to 96, he may at the beginning of his fourth year enter the Law School forthwith for the first year's work in Law. From that time on he must devote his entire time and attention to the study of the Law, and in this first year of law study he must earn at least 24 semester hours to apply on his A. B. degree, thus making the one hundred and twenty credits required for the A. B. degree. This degree will be granted upon the satisfactory completion of the first year subjects in Law.

DEGREES

The Degree of Bachelor of Laws

Students who have successfully completed the Two Year Pre-Legal Curriculum of this University, or an equivalent two years of general culture study in this or another institution of recognized collegiate rank, and who have successfully completed courses in Law aggregating 75 credits (the equivalent of three full years of professional study of Law), and who have otherwise satisfied the requirements of the University and of the Law School, will be granted the degree Bachelor of Laws (LL. B.).

The Degree of Doctor of Law

The degree of Doctor of Law (J. D.) will be granted to students who have received the degree of Bachelor of Arts, or its equivalent, from this University, or from some other insti-

tution of recognized collegiate rank, and who have satisfactorily completed courses in Law aggregating 75 credits (the equivalent of three full years of professional study of law), and who have otherwise satisfied the requirements of the University and of the Law School. Since one year of Law study may be counted toward the degree Bachelor of Arts, the requirement for the degree of Doctor of Law may be satisfied by the successful completion of the Combined Six Year Course in Arts and Law.

The foregoing statements as to the requirements for degrees are subject to the following rules:

1. To be a successful applicant for the degree of Doctor of Law a student must have obtained over the full three years' Law course a minimum average of S.

2. Any student who fails to obtain a minimum average of M over the full three years of his Law course shall not be graduated.

3. No degree will be conferred upon any student who has not spent at least one year in resident study at this University.

TUITION AND FEES

The tuition for all students of whatever status (regular, special or partial) shall be fifteen dollars a semester. This is in addition to the annual registration fee of ten dollars and the annual student body fee of eight dollars. All fees are payable in advance. Students permitted to register late are required to pay the full charge for tuition for the half-year in which they register, and in addition the fines levied in such cases by the College of Arts and Sciences.

For any deficiency examination or deferred examination a fee of five dollars for each course in which such examination is granted shall be charged, payable in each case before the examination is held.

There shall be a graduation or diploma fee of ten dollars payable to the Treasurer of the University at least twenty-five days prior to the date of graduation.

COURSES OF INSTRUCTION

The Courses of Instruction are arranged to present, as far as possible, the fundamental topics of the law during the first year, and the more specialized subjects during the second and third years.

The curriculum extends through three years, and to secure a degree the student must complete seventy-five hours of work. No student may take more than fifteen hours in any semester; and without special permission of the Dean and Law Faculty no student may take less than twelve hours. The work of the first year in the Law School is prescribed.

The following is a statement of the work offered in the Law School:

First Year

1. **Contracts**—Formation of simple contracts; mutual assent; consideration; formation of contracts under seal; delivery; consideration. Parties affected by contracts; contracts for the benefit of third persons; assignment of contracts; joint obligations. The Statute of Frauds; contracts within the Statute: guarantees, agreements in consideration of marriage, agreements not to be perfomed within a year, contracts for the sale of goods; satisfaction of the Statute. Performance of contracts: express conditions, conditions precedent and subsequent; implied conditions and effect of plaintiff's failure to perform his promise; impossibility. Illegal contracts: contracts in restraint of trade; wagers and gaming contracts; contracts obstructing the administration of justice; contracts tending to corruption. Discharge of contracts: parol agreement to discharge; novation; release; accord and satisfaction; arbitration and award; surrender and cancellation; alteration; merger. Williston, Cases on Contracts (2 vols.). Professor Hope. *Three hours, both semesters.*

2. **Criminal Law and Procedure**—Nature of crime; sources of criminal law; mental element in crime; intent and motive; parties in crime; crime as an act; attempts; specific crimes; crimes against the person; crimes against the dwelling house; felonious intent; jurisdiction. Beale, Cases on Criminal Law (2d ed.). Professor Merritt. *Two hours, both semesters.*

3. **Torts**—Trespass to person, to real property, and to personal property; excuse for trespass; conversion; legal cause; negligence; contributory and imputed negligence; plaintiff's illegal conduct as a defense; duties of land owners; hazardous occupations; liability for animals; deceit; defamation, slander, libel, privilege, malice; malicious prosecution, criminal and civil; interference with social and business relations, including breaches of duty, fair and unfair competition, strikes, boycotts, business combinations. Ames and Smith, Cases on Torts (ed. 1909-1910). Professor REEDER.

Three and two hours, both semesters.

4. **Property 1**—Distinction between real and personal property; acquisition of rights in personal property; gifts; bailments; liens; pledges. Real property; tenures; estates, seisin and conveyance; incidents of ownership in real property; fixtures; easements; covenants as to use; public rights; franchises; rents. Gray, Cases on Property, vols. 1, 2 (2d ed.). Professor MERRITT.

Two and three hours, both semesters.

5. **Common Law Pleading**—This course consists of a general survey of the principles of common law pleading with special emphasis upon the demurrer, confession and avoidance, and the traverse, followed by a special study of the more common forms of actions, including the necessary obligations therein, and the methods of pleading defenses. Whittier, Cases on Common Law Pleading. Professor MERITT. *Three hours, first semester.*

6. **Agency**—Nature of relation; appointment; liability of principal for agent's torts, contracts, crimes; liabilities of agent; parties to writings; undisclosed principal doctrines; delegation of agency, termination; ratification. Huffcut, Cases on the Law of Agency (2d ed.). Professor REEDER.

Two hours, both semesters.

SECOND YEAR

7. **Equity 1; Contracts and Torts**—The origin, development, maxims, principles and doctrines of equity; relation between equitable rights and powers and legal rights and powers; jurisdiction, procedure and remedies of courts of equity; the equitable relations and remedies involved in obligations *ex contractu*

and obligations *ex delicto* considered with respect to their interplay with the corresponding legal relations and remedies; specific performance of contracts, with emphasis on the special trust relations arising under executory contracts between vendors and purchasers of realty; specific prevention and reparation of torts; prohibitory and mandatory injunctions for such torts as waste, trespass, nuisance, infringement of patents and copyrights, interferences with business relations, violations, violation of rights of privacy. Ames, Cases in Equity Jurisdiction, vol. 1. Professor REEDER.

Four hours, first semester.

8. **Equity 2; Trusts**—Nature and requisites of a trust; express, resulting, and constructive trusts; charitable trusts; appointment and office of trustee; nature of cestui's interest; transfer of trust property by trustee or by cestui; cestui's interest as affected by death, marriage, or bankruptcy of trustee or cestui; duties of trustee; extinguishment of trust; removal or resignation of trustee; accounting. Ames, Cases on Trusts, (2d ed.). (Omitted 1916-17.) Professor REEDER.

Four hours, second semester.

9. **Evidence**—Respective functions of judge and jury; "law and fact"; presumptions; burden of proof; judicial notice; classification of evidence; relevancy as primary test of admissibility; principles and rules relating to the following: misleading or unimportant matters, character, admissions, confession, hearsay, witnesses' opinion and expert testimony, real evidence, evidence relating to execution, contents and interpretation of writing; various rules of substantive law stated in terms of "parol evidence rule"; competency of witnesses; privilege of witnesses; examination of witnesses. Wigmore, Select Cases on Evidence (2d ed.). Professor HOPE.

Three and two hours, both semesters.

10. **Sales of Personal Property**—Subject matter of sale; executory and executed sales; bills of lading and *jus disponendi;* seller's lien and right of stoppage *in transitu;* fraud; factors' acts; warranty and remedies for breach of warranty; statute of frauds. Woodward, Cases on Sales. Professor HOPE.

Two hours, both semesters.

11. **Bailments and Carriers**—Bailments in general including for hire, for services to be performed, and for hired use. Special classes of bailments involving ordinary liability; pledges, warehousemen. Special classes of bailments involving exceptional liability; inkeepers; common carriers of goods; common carriers of passengers. McClain, Cases on Bailments and Carriers. Professor REEDER. *Three hours, second semester.*

12. **Persons and Domestic Relations**—Marriage: consent and capacity; marriage as a contract or relation; rights and duties; rights in property; contracts, conveyances, quasi-contractual obligations; wife's estates; ante-nuptial and post-nuptial settlements; separation and divorce. Parent and child: legitimacy, adoption, custody, support, earnings of child; liability for child's torts. Guardian and ward: selection and appointment of guardians; jurisdiction to appoint; rights, duties and liabilities of guardian; maintenance of ward; domicile; care of property and investments; guardians' bonds. Infants: period of infancy; privileges and disabilities; contracts; liabilities for necessaries; ratification and disaffirmance of contracts. Persons *non compos mentis,* and aliens. Master and servant: creation and termination of the relation; remedies for breach of contract; rights and duties *inter se;* master's liability for injuries to servant; negligence and assumption of risk. Kales Cases on Persons, and Vernier, Cases on Marriage and Divorce. Professor ———. *Two hours, first semester.*

13. **Bills and Notes**—This course deals with negotiable paper of all types. The law of checks, bills of exchange and notes is taken up, with a detailed discussion of: formal requisites; acceptance; indorsement; transfer; extinguishment; obligation of parties; diligence; specialty character; the effect of the negotiable instruments law. Ames, Cases on Bills and Notes. Professor REEDER. *Three hours, first semester.*

14. **Property** 2—This course continues the subject as concluded by Property 1 by which it must be preceded, and includes during the first semester a detailed study of title to land, especially in relation to possession and the subject of landlord and tenant. The following topics are considered: Nature and importance of legal possession; remedies to recover

legal possession wrongfully withheld; effect of statutes of limitations; tacking of successive periods of adverse possession; "constructive" adverse possession under color of title; intent as element of title to legal possession; possession through occupation of a servant or agent; possession through occupation of a tenant; relationship of landlord and tenant compared with rights and liberties of persons in various other relations; possession through a co-tenant's occupation; exceptions and interruptions to running of statutes of limitations. Creation of relationship of landlord and tenant; duration of tenant's interest; eviction and its effects; remedies of landlord for non-performance of tenant's obligations; remedies of tenant against landlord; covenants running with the land between landlord and tenant; rights, liberties, and duties of landlord with respect to third persons; rights, liberties, and duties of tenant with respect to third persons. During the second semester the course covers the acquisition of property on the death of the former owner, including consideration of gifts *causa mortis*, wills, probate, and administration. Gray, Cases on Property, vols. 3, 4 (2d ed.). Professor MERRITT.

Three hours, both semesters.

15. **Damages**—Respective functions of court and jury in estimating damages; exemplary, liquidated, nominal, direct, and consequential damages; avoidable consequences; counsel fees; certainty, compensation, damages for non-pecuniary injuries; value; interest; and damages in certain actions of tort and contract. Beale, Cases on Damages. Professor MERRITT.

Two hours, second semester.

16. **Insurance**—A general survey of insurance law, life, accident, fire, and marine insurance, with respect to: insurable interest; concealment; misrepresentation; warranties; other causes of invalidity of contract; amount of recovery; subrogation; conditions; waiver, estoppel, election, and powers of agents; assignees and beneficiaries. Under marine and fire insurance will be included a thorough consideration of the doctrine of general average, and the standard fire policy generally adopted in the United States. Wambaugh, Cases on Insurance. (Given in alternate years only; omitted 1916-17.) Professor ———.

Two hours, first semester.

17. **Bankruptcy and Insolvency**—This course aims to give a complete exposition of the rights of creditors against insolvent debtors, and the means that may be resorted to in order to make those rights effective, and includes a consideration of insolvent assignments and conveyances in fraud of creditors as well as the study of the National Bankrupt Act of 1898 and its predecessors. Williston, Cases on Bankruptcy. (Given only in alternate years; omitted in 1916-17.) Professor ———.

Two hours, first semester.

18. **Code Pleading**—Actions and special proceedings; the complaint, including necessary allegations, method of statement, and prayer for relief; answers, including general and special denials, new matter, equitable defenses, counter-claims, and union of defenses; replies; demurrer. Course 5 is a prerequisite. Sunderland, Cases on Code Pleading. Professor HOPE.

Four hours, first semester.

THIRD YEAR

19. **Conflict of Laws**—Within the limits of the subject, a comparison is made of theories and practice in different jurisdictions, both in civil matters and in criminal; and attention is given to the special aspects of interstate law in the United States. Lorenzen, Cases on the Conflict of Laws. Professor HOPE. *Four hours, second semester.*

20. **Constitutional Law**—(Political Science 4.) Written and unwritten constitutions; the adoption and amendment of constitutions; the relations between the federal and state governments; the legislature, executive and judiciary; the states and territories; the individual and the government. Boyd, Cases on Constitutional Law, and selected cases. Professor BARNETT.

Three hours, first semester.

21. **International Law**—(Political Science 5.) The nature and sources of international law; the history of international law; the subjects of international law; the law of peace, the law of war and the law of neutrality. Lawrence, Principles of International Law; and Scott, Cases on International Law. Professor BARNETT. *Three hours, second semester.*

22. **Law of Officers**—(Political Science 6.) The nature of public office; the formation and termination of the official relation; compensation of officers; exercise of official authority; liability of government for acts of officers; extraordinary legal remedies. Goodnow, Cases on the Law of Officers, and selected cases. Professor BARNETT. *Three hours, first semester*

23. **Laws of Municipal Corporations**—(Political Science 7.) The nature, constitution, powers and liabilities of public corporations. Beale, Cases on Municipal Corporations. Professor BARNETT. *Three hours, second semester.*

24. **Corporations, Private**—A general survey of the nature, powers, and obligations of private corporations, with a consideration of the rights and duties of promoters, officers, directors, and stockholders, and of the rights of creditors and others against the corporation. The manner of creating and dissolving corporations, the nature of corporate stock, the effect of *ultra vires* acts, the power of corporations to purchase shares of stock or to consolidate with other corporations, and the power of Congress and of the Legislature to regulate and control the acts of corporations are among the topics treated. Canfield and Wormser, Cases on Corporations. Professor REEDER. *Two hours, both semesters.*

25. **Partnership**—Nature of a partnership, its purpose, and members; creation of partnership; nature of partner's interest; firm name and good-will; mutual rights and duties of partners; actions between partners, at law and in equity; powers of partners; liability for acts of partners in contract and tort; general liability of partners; dissolution and notice; consequence of dissolution; dissolution agreements respecting debts; distribution of assets to creditors and between partners; limited partnership. Ames, Cases on Partnership. (Not given 1916-17.) Professor ———. *Three hours, second semester.*

26. **Property 3**—This course must be preceded by Property 1 and Equity 1. During the first semester conditional and future interests are dealt with, including reversions and remainders, executory devises, powers and the rule against

perpetuities. During the second semester illegal conditions and restraints on alienation, etc., are taken up. Gray, Cases on Property, vols. 5, 6 (2d ed.) Professor MERRITT.

Two hours, both semesters.

27. **Equity 3; Interpleader, Bills of Peace, etc.** — Special equitable remedies, including: interpleader; bills of peace and *quia timet;* cancellation of contract; clouds on title; perpetuation of testimony; rights of future enjoyment; reformation and rescission of contract for mistake. Ames, Cases in Equity Jurisdiction, vol. 2. Professor ———.

Two hours, first semester.

28. **Quasi-Contracts** — Under the head of *quasi* or constructive contracts is embraced all that very large class of obligations which, while not contractual in fact, are enforced as if they were so. They constitute largely that great mass of obligations for the enforcement of which the action of assumpsit was devised. The course includes such topics as the payment of money by mistake, duress, or fraud, and the waiver of tort. Woodruff, Cases on Quasi-Contracts. Professor HOPE.

Two hours, first semester.

29. **Suretyship** — Nature of the contract of suretyship; surety's defenses against the creditor, based upon absence, extinguishment, or suspension of the liability of the principal debtor, or upon principal debtor's right of set-off or counterclaim against the creditor; surrender or loss of securities by creditor; variation of surety's risk; surety's rights; subrogation to the rights of the creditor; indemnity; contribution; exoneration; creditor's rights to surety's securities. Ames, Cases on Suretyship. Professor ———.

Two hours, first semester.

20. **Mortgages** — All forms of mortgage security, both real and chattel; essential elements of legal and equitable mortgages; legal and equitable rights, powers and remedies of mortgagor and mortgagee with respect to title, possession, rents and profits, waste, collateral agreements, foreclosure,

redemption; priorities; marshalling; extension of mortgages; assignment of mortgages; discharge of mortgages. Kirchwey, Cases on Mortgage. Professor MERRITT.

Two hours, first semester.

31. **Oregon Practice**— Organization and jurisdiction of courts; court records and files; proceedings prior to judgment, including: service and return of summons and motions relating thereto, appearances, provisional remedies, such as attachment, arrest, etc., *lis pendens,* the trial, exceptions and findings, verdict; the judgment, its entry and satisfaction; proceedings subsequent to judgment, including: stay of execution, costs, execution, motion for new trial, appellate proceedings; probate and administration proceedings; special proceedings, including writs of *certiorari, mandamus,* and prohibition; introduction to jurisdiction and procedure of Federal courts. Prerequisite: Course 18. (Open to third year students.) Lord's Oregon Laws; also selected Oregon cases. (Course to be arranged for later.) Mr. ———. *Two hours, both semesters.*

32. **Moot Court**—Argument of cases on submitted statements of facts; briefs; preparation of opinions.

One hour, each semester.

SCHOOL OF MEDICINE

FACULTY

P. L. CAMPBELL, B. A., L. L. D., President of the University.

HENRY E. JONES, M. D., Emeritus Professor of Clinical Gynecology.

GEORGE MILTON WELLS, M. D., Emeritus Professor of Pediatrics.

ANDREW JACKSON GIESY, M. D., Emeritus Professor of Clinical Gynecology.

SIMEON EDWARD JOSEPHI, M. D., Professor of Nervous and Mental Diseases. Head of Department of Mental and Nervous Diseases and Medical Jurisprudence.

OTTO SALY BINSWANGER, Ph. D., M. D., Associate Professor of Clinical Medicine.

KENNETH A. J. MACKENZIE, M. D., C. M., L. R. C. P. and L. R. C. S. Edin., Dean, Professor of Operative and Clinical Surgery, Head of Department of Surgery.

RICHARD NUNN, B. A., B. Ch., M. D., Professor and Head of Department of Diseases of Eye, Ear, Nose and Throat.

JAMES FRANCIS BELL, M. D., L. R. C. P. London, Professor of Theory and Practice of Medicine, Head of Department of Medicine.

GEORGE FLANDERS WILSON, M. D., Professor of Principles and Practice of Surgery.

ERNEST FANNING TUCKER, B. A., M. D., Professor of Gynecology, Head of Department of Gynecology.

EDMUNDE JOHN LABBE, M. D., Professor of Pediatrics.

GEORGE BURNSIDE STORY, M. D., Professor of Obstetrics, Head of Department of Obstetrics.

ALBERT EDWARD MACKAY, M. D., Professor of Genito-Urinary Diseases.

JAMES CULLEN ZAN, M. D., Associate Professor of Clinical Surgery.

ROBERT CLARKE YENNEY, M. D., Professor of Clinical Medicine.

JOHN DICE MACLAREN, M. S., M. D., Professor of Physiology, Head of Department of Physiology.

RICHARD B. DILLEHUNT, M. D., Professor of Anatomy, Head of Department of Anatomy.

H. B. MYERS, A. B., M. D., Professor of Materia Medica, Pharmacology, and Toxicology, Head of Department of Pharmacology.

ROBERT LOUIS BENSON, A. M., M. D., Professor of Pathology, Head of Department of Pathology and Bacteriology.

HOWARD D. HASKINS, A. B., M. D., Professor of Physiological Chemistry, Head of Department of Physiological Chemistry.

WILLEY HIGBY NORTON, A. B., M. D., Associate Professor of Bacteriology, Assistant Dean.

ASSISTANT PROFESSORS

ALVIN WALTER BAIRD, A. B., M. D., Assistant Professor of Surgery.

J. ALLEN GILBERT, Ph. D., M. D., Assistant Professor of Medicine.

WILLIAM HOUSE, M. D., Assistant Professor of Nervous and Mental Diseases.

J. C. ELLIOTT KING, A. B., M. D., Assistant Professor of Dermatology and Syphilology.

CLARENCE J. MCCUSKER, B. S., M. D., Assistant Professor of Obstetrics.

MARY V. MADIGAN, M. D., Assistant Professor of Physiology.

E. H. MCLEAN, A. M., M. D., Assistant Professor of Pathology.

HOMER T. COFFIN, A. B., M. D., Assistant Professor of Clinical Medicine.

LAWRENCE SELLING, A. B., M. D., Assistant Professor of Clinical Medicine.

WILLIAM S. KNOX, B. S., M. D., Assistant Professor of Clinical Medicine.

A. N. CREADICK, A. B., M. D., Assistant Professor of Anatomy.

OTIS BUCKMINSTER WIGHT, A. B., M. D., Assistant Professor of Gynecology.

GEORGE SHATTUCK WHITESIDE, M. D., Assistant Professor of Genito-Urinary Surgery.

CALVIN S. WHITE, M. D., Assistant Professor of Medicine (Hygiene and Sanitation).

ROBERT H. ELLIS, M. D., Assistant Professor of Obstetrics.

RALPH CHARLES MATSON, M. D., Assistant Professor of Medicine. In charge of Tuberculosis Division of Out-Patient Department.

RAY W. MATSON, M. D., Assistant Professor of Medicine. In charge of Tuberculosis Division of Out-Patient Department.

ASSOCIATES

GEORGE AINSLIE, M. D., Associate in Opthalmology.

J. B. BILDERBACK, M. D., Associate in Pediatrics.

JOHN N. COGHLAN, M. D., Associate in Otology.

RALPH A. FENTON, A. B., M. D., Associate in Rhinology and Laryngology.

L. H. HAMILTON, A. B., M. D., Associate in Surgery.

GEORGE F. KOEHLER, M. D., Associate in Medicine.

HARVEY G. PARKER, M. D., Associate in Dermatology.

GEORGE NORMAN PEASE, A. B., M. D., Associate in Surgery.

FRANK M. TAYLOR, A. B., M. D., Associate in Medicine.

RALPH C. WALKER, M. D., Associate in Medicine.

FRED ZIEGLER, B. S., M. D., Associate in Surgery

J. EARLE ELSE, M. D., Associate in Pathology.

PAUL ROCKEY, M. D., Associate in Surgery.

J. F. DICKSON, M. D., Associate in Ophthalmology.

W. B. HOLDEN, M. D., Associate in Surgery.

B. L. NORDEN, M. D., Associate in Surgery.

C. R. MCCLURE, M. D., Associate in Surgery.

A. C. SMITH, M. D., Associate in Surgery.

INSTRUCTORS

HORACE BURNETT FENTON, A. B., M. D., Instructor in Therapeutics.

DONALD H. JESSOP, Phm. G., M. D., Instructor in Anatomy.

FREDERICK A. KIEHLE, A. B., M. D., Instructor in Ophthalmology.

JAMES WENDELL ROSENFELD, A. B., M. D., Instructor in Pediatrics.

WILLIAM A. SHEA, M. D., Instructor in Surgery.

PERRY J. PAYNE, S. B., M. D., Instructor in Dermatology.

SHERMAN E. WRIGHT, A. B., M. D., Instructor in Opthalmology and Otology.

COURTLAND LINDEN BOOTH, A. B., M. D., Instructor in Medicine.

WILLIAM GEORGE SCOTT, M. D., Instructor in Obstetrics.

MARR BISAILLON, M. D., Instructor in Anatomy and the Out-Patient Tuberculosis Clinic.

HARRIET J. LAWRENCE, M. D., Instructor in the Out-Patient Tuberculosis Clinic.

C. STUART MENZIES, M. D., Instructor in Anatomy.

ALLEN P. NOYES, M. D., Instructor in Pediatrics.

H. W. HOWARD, M. D., Instructor in Genito-Urinary Surgery.

E. F. ZIEGELMAN, M. D., Instructor in Gynecology.

ARTHUR S. ROSENFELD, A. B., M. D., Instructor in Medicine

JAMES W. ROSENFELD, A. B., M. D., Instructor in Pediatrics.

CARL T. ROSS, M. D., Instructor in Surgery.

B. N. WADE, M. D., Instructor in Surgery.

EUGENE ROCKEY, M. D., Instructor in Surgery.

G. LEE HYNSON, M. D., Instructor in Surgery.

GERTRUDE FRENCH, B. S., M. D., Instructor in Opthalmology.

R. F. DAVIS, M. D., Instructor in Opthalmology.

DAVID N. ROBERG, M. D., Instructor in Tropical Medicine.

HISTORY

The Medical Department of the University of Oregon was established at Portland in 1887 by a charter from the Regents of the University. The first building was a small frame structure located at what is now the corner of Marshall and Twenty-second Streets, on the grounds of the Good Samaritan Hospital. It consisted of a single lecture room on the ground floor, and an

anatomical laboratory, on the upper floor. In 1890 the present lot was purchased, and the building was transferred to it and remodeled. The present building was erected in 1892. It is a three-story structure and contains well-equipped laboratories, a convenient dissecting room, two large lecture rooms, and the Medical School library.

The merger of the Medical Department of the Willamette University, the first foundation of the kind in the State of Oregon, with the Medical Department of the University of Oregon, was effected by mutual and friendly arrangements on the first day of September, 1913. Under the terms of the merger the Medical Department of the Willamette University retired permanently from the field of medical education, and transferred its entire enrollment, numbering 40, to the State School in the city of Portland, and arrangements were effected so that the students of the Willamette University will graduate during the course of the following three years, and shall receive degrees indicative of the merger of the two schools, and the alumni of both schools will be consolidated under the Medical Department of the University of Oregon, which becomes at once the sole school of medicine in the Pacific Northwest, thus serving the largest territory in the United States served by one medical school.

In the spring of 1914 a gift of 20 acres of land was made to the Medical Department of the University of Oregon by the Executive Committee of the Oregon-Washington Railroad and Navigation Company.

The campus is situated on Marquam Hill, one of the most attractive scenic points in the city of Portland, and will be approached by easy grades over the Terwilliger Boulevard.

Under the terms of the gift it will be possible to erect hospitals upon the campus which will enable the Faculty of the school to give the most practical instruction upon all branches of medicine.

The plan for the erection of a group of buildings of classic design, including hospitals, is now being considered by the Regents and Faculty for presentation to the Legislature.

LOCATION

The Medical School is located at the corner of Twenty-third and Lovejoy Streets, opposite the Good Samaritan Hospital, and is reached by the Washington and Twenty-third Street cars.

ORGANIZATION AND GOVERNMENT

The Medical Department is governed locally by the Executive Faculty, composed of the Professors and Associate Professors; but is responsible to the Regents of the University of Oregon, of which it is an integral part, in both scholastic and financial matters.

The teaching body consists of 60 members. There are 18 professors, ten of whom are heads of their respective departments, and six of whom devote their time to the work of the first two years. In addition to these there are assistant professors, associates, instructors, and assistants in the various departments.

BUILDINGS

The Medical School building is a three-story structure, heated by hot water and lighted by gas and electricity. The laboratory work is conducted here. Two large lecture halls supplied with charts, blackboards, and a projection lantern, admirably meet the need for lectures, quizzes and demonstrations.

LABORATORIES

In 1910, a complete reorganization of the various laboratory departments was instituted, and the laboratories were newly equipped, and the facilities were much improved. The laboratories of chemistry, physiology, histology, bacteriology, pathology, pharmacology and anatomy possess all the modern apparatus for practical instruction in those subjects. The apparatus will be further augmented for this session. Under each department will be found a more detailed description of its facilities.

CLINICAL ADVANTAGES

The Medical School has exceptional clinical advantages because of its intimate relation to large general hospitals, in all of which are parts of the work of the clinical years.

Good Samaritan Hospital is located just opposite the Medical School. It accommodates 250 patients and has recently built a new operating room with a convenient amphitheatre.

St. Vincent's Hospital is within five minutes' walk of the Medical School. It is modern in every respect and contains 500 beds and six excellent operating rooms, one of which has a large amphitheatre, specially constructed to afford facilities for teaching surgery and medicine in this Medical School.

Multnomah County Hospital is a charitable institution readily accessible by street car, and affords much material for practical clinical work. This institution will soon be enlarged to comply more thoroughly with the needs of Multnomah County.

Members of the Faculty conduct clinics daily in these hospitals, and the student is brought into actual contact with methods of diagnosis and treatment.

Portland's geographical position is such that its hospitals receive many patients from a large surrounding territory, resulting in great diversity of diseases.

DISPENSARIES

The Portland Free Dispensary is located at Fourth and Burnside Streets, in a district which abounds in the types for which a dispensary is necessary. It is conducted by the Medical School in affiliation with the People's Institute, the Men's Resort, and the Visiting Nurses' Association. The Jewish Neighborhood House Dispensary has been recently completed, and is situated opposite Multnomah Hospital at Second and Hooker Streets. The chairs of medicine, surgery, gynecology, opthalmology, otology, laryngology, pediatrics and genito-urinary diseases hold clinics in these dispensaries, and the junior and senior classes are assigned to definite hours in actual clinical work with the patient.

LIBRARY

The Medical School Library was established by gift of the medical libraries of the late Drs. R. B. Wilson and Rodney Glisan, two distinguished pioneer physicians of this State. It has a room in the Medical School building. It has been recently added to, and will be further enlarged from time to time. Students

may have access to books and periodicals subject to the library rules. Students may have access also to the library of the Portland City and County Medical Society.

REQUIREMENTS FOR ADMISSION

These comprise as a minimum (a) the successful completion of a four-year high school or academic course, or the equivalent thereof; also (b) two years of successfully completed college work in an institution acceptable to the University of Oregon. This latter work must have included one year each of inoragnic chemistry, physics, biology, organic chemistry, six hours; a modern foreign language; also (c) a certificate of good moral standing signed by two reputable physicians.

A. High School Work Required

The high school work imperatively demanded of each matriculant comprises evidence of the completion of a four-year course in an accredited high school or the equivalent thereof, as demanded for unconditional admission to the University College of Literature, Science and the Arts at Eugene.

Fifteen units in all are required, nine of which are in required subjects, and the remaining six of which may be selected from any subjects for which a standard high school gives credit.

By a unit of work, is meant a subject running one year of at least 36 weeks, five times a week, with each period not less than 40 minutes in length.

Required Subjects

The required subjects with the number of units in each are as follows:

English	3 units	History	1 unit
Algebra	1 unit	Science	1 unit
Plane Geometry	1 unit		—
One Foreign Language	2 units	Total	9 units

Elective Subjects

The other six of the fifteen units may be selected from any of the subjects for which standard high schools give credit toward graduation and may include additional work in the required subjects as mathematics.

B. College Work Required

Two years of college work in a college or university accredited by the University of Oregon must have been completed, and this must include at least eight semester hours in didactic and laboratory courses in Advanced Physics, General Chemistry, General Biology, and advanced German or French, and six hours of didactic and laboratory in organic chemistry, including certified laboratory notebooks.

The following schedule shows the minimum number of hours acceptable in the subjects of the preliminary year:

SUBJECT	Lectures or recitations per week	Laboratory periods per week	Total credit hours per semester	Total semester hours per year
Advanced Physics	2 or 3	2 or 1	4	8
General Chemistry	2 or 3	2 or 1	4	8
Organic Chemistry	2 or 3	2 or 1	3 or 6	.....
General Biology	2 or 3	2 or 1	4	8
Advanced German or French	4 or 3	.....	4 or 3	8 or 6
Totals	12 or 15	8 or 4	19 or 18	38 or 36

Each laboratory period must extend over at least two hours.

Admission by Examination

The above credits are accepted upon credentials from proper authority without examination. Students from schools not recognized by the University of Oregon must pass an examination in the required branches. Such examination will be conducted by a member of the Faculty of the University College of Literature, Science and the Arts. After such examination the student must submit credentials from the examiner certifying to his successful completion thereof. The next examination will be held at the Medical School on September 29, at 9 a. m.

Admission to Advanced Standing

No student will be admited to advanced standing who has not complied fully with the requirements for admission to this Medical School. Credits will be given to students from other recognized medical institutions, the requirements for admission and

standard of work of which are equivalent to those of this Medical School, upon presentation of credentials from proper authority. Such student must submit a certificate of honorable discharge from his previous college as well as evidence (such as laboratory notebooks) of the exact amount of work he has successfully completed there, both of which are subject to the approval of the heads of the department involved and of the Dean.

Pre-Medical Courses

High school students are advised to study the required entrance subjects with at least two years of German, and sufficient mathematics for the required college physics.

For the required year of college biology, chemistry, physics, and modern language, the pre-medical student is advised to complete the following courses in the University College of Literature, Science and the Arts at Eugene, or equivalent courses elsewhere: Chemistry 1 and 5, physics 3 and 4, zoology 1 and 2, and German 10. For further pre-medical study the student is advised to choose work in chemistry, drawing, English, German, history, psychology, sociology and zoology. The subjects of Human Anatomy, Human Histology, Human Embryology, Physiological Chemistry, and Human Physiology are best studied in a medical school.

Inasmuch as four years of residence in a recognized medical school is required for the degree of Doctor of Medicine, no time credit is granted for work done at Eugene, or in other nonmedical colleges, but subject credit may be given for satisfactory work if approved by the Dean, and the head of the Medical School department concerned.

REQUIREMENTS FOR GRADUATION

The following are the requirements of the candidate for the degree of Doctor of Medicine:

He must be at least 21 years of age, and of good moral character.

He must have finished four full medical courses of at least eight months each, no two of which shall have been taken within the same twelve months, and the last of which must have been taken in this Medical School.

He must have paid all fees due the Medical School.

He must have secured satisfactory standing in all examinations and he must be present at commencement exercises and receive his diploma in person unless excused for good reason by the Faculty.

The Curriculum

The curriculum consists of four annual sessions of eight and one-half months (two semesters) each. The first two years are devoted chiefly to the fundamental branches: Anatomy, both gross and minute; physiology, physiological chemistry, neurology, embryology, pathology, pharmacology, bacteriology, materia medica and toxicology.

The last two years embrace the clinical branches: Medicine, surgery, obstetrics, gynecology, therapeutics, clinical pathology, nervous and mental diseases, genito-urinary diseases, and diseases of the eye, ear, nose and throat.

The student approaches the practical subjects of the third year, after the completion of these subjects preparatory to practical medicine. The principles of medicine, surgery and obstetrics are taken up in recitations, in sections at the dispensary, and in the clinics. Clinics, lectures, recitations and demonstrations are conducted in medicine, surgery, nervous diseases, gynecology, eye, ear, nose and throat, genito-urinary diseases, dermatology and pediatrics.

Classes are sufficiently small to allow each student the advantages of much personal instruction.

Combined Course

After September 1, 1916, those students having successfully completed (1) the first three years leading to an A. B. at the University, and (2) the first year at the University Medical School, will receive their A. B. degree.

GENERAL INFORMATION

Routine of Entrance

All applications should be addressed to the Dean, Medical School, University of Oregon, Twenty-third and Lovejoy Streets, Portland, Oregon.

Students contemplating entrance to this Medical School should apply for blank admission forms, which must be carefully filled out and returned to the Dean's office, together with credentials of work in previous schools.

Matriculation and Registration

The new student is required to present on matriculation day, (a) his admission credits, if not previously presented; (b) his letter of honorable dismissal from previous college; (c) a certificate of good moral character; and (d) must pay the matriculation fee and fees and deposits for the ensuing term.

Any of the above may be done by correspondence or otherwise, but the student must present himself on registration day for approval of credentials and assignment to classes.

Application for admission will not be considered later than October 7, and an extra charge of Five Dollars ($5.00) will be made for registration later than September 30.

Matriculation and registration will be conducted at the office of the Assistant Dean in the Medical School building on September 29 and 30, from 9 to 12 a. m.

The Dean shall have the right to reject any applicant for admission.

Fees and Deposits

Matriculation Fee—The Matriculation fee is Five Dollars ($5.00), and is required of every student entering the Medical School and is payable but once.

Tuition—The tuition for each year is One Hundred and Fifty Dollars ($150.00) and is payable at the beginning of the school term. Those preferring to pay tuition in two payments may do so by paying Eighty Dollars ($80.00) at the begining of the first semester and Seventy-five Dollars ($75.00) at the beginning of the second. This fee includes all laboratory fees.

Breakage Deposit—A deposit of Ten Dollars ($10.00) is required of each student at the beginning of each year for general breakage. The cost of damage done by an individual to University property will be deducted from his deposit; and in case the identity of the one responsible cannot be established, a pro rata

charge will be made against the entire class of which he is a member. The remainder of this deposit will be returned at the end of each school year.

All fees are payable in advance at the time of matriculation. Fees are not returnable at any time, except by special action of the Faculty.

The Faculty reserves the right to make changes in curriculum, fees or any other matter at any time.

If a special examination is granted, a fee of $5.00 must be paid the Dean.

Special Students

Students who register for special work, and who are not candidates for the degree of Doctor of Medicine, will be charged tuition according to the amount of work undertaken and the nature of the courses.

Post Graduates

Graduates of this or other medical schools who are visiting the city for a brief time are cordially invited to attend the various clinics and classes, but those intending to take any definite course must arrange with the Dean.

Board and Lodgings

Good rooms with all modern conveniences can be obtained in the vicinity of the Medical School at from $8.00 to $15.00 a month. Board may be had at from $12.00 to $18.00 a month; and room and board together may be obtained at from $20.00 to $30.00 a month.

Books and Instruments

The average annual cost of books, instruments and other supplies varies from $15.00 to $25.00. The instructors should be consulted before buying textbooks.

Lockers and Microscopes

Coat room and laboratory lockers will be assigned and a deposit of fifty cents must be made when a key for same is received. Microscopes are rented at a cost of $5.00 per year; oil immersion lens $1.00 extra. Students are urged to purchase microscopes the first year.

RESUME OF WORK

The following is an outline of the work. The curriculum is largely prescribed and this resume includes only that work required of every student. The hours have been figured on a basis of sixteen weeks to a semester:

FIRST YEAR

	Hours per Semester		Hours per Semester	
	Lab'tory	Lecture	Lab'tory	Lecture
FIRST SEMESTER:				
Anatomy—				
Gross	9	3	144	48
Histology	4	2	64	32
Chemistry—				
Organic	9	3	72	24
Physiological Chemistry	9	3	72	24
SECOND SEMESTER:				
Anatomy—				
Gross	9	3	144	48
Neurology	3	1	48	16
Embryology	4	2	64	32
Physiological Chemistry	9	3	144	48
Physiology	3	4	48	64
			800	320
Total hours				1,120

SECOND YEAR

	Hours per Week		Hours per Week	
	Lab'tory	Lecture	Lab'tory	Lecture
FIRST SEMESTER:				
Bacteriology—Oct. to Dec. 18	15	5	180	60
Physiology—Oct. to Dec. 18	3	4	48	64
Anatomy—				
Gross	6	2	96	32
SECOND SEMESTER:				
Pathology—Jan. to Feb.	15	5	60	20
Pathology	15	5	240	80
Pharmacology	9	5	144	80
Physical Diagnosis	.....	2	32	.....
			688	320
Total hours				1,008

THIRD YEAR

	Hours per Week Laboratory or		Hours per Semester Laboratory or	
	Clinic	Lecture	Clinic	Lecture
FIRST SEMESTER:				
Pathology	2	2	32	32
Medicine—				
Recitation	.....	3	.....	48
Physical Diagnosis	.....	2	.....	32
Clinic	1	.....	16	.....
Laboratory Diagnosis	6	.....	96	.....
Therapeutics	.....	2	.....	32
Dietetics	.....	1	.....	16
Gastro-Intestinal	.....	2	.....	32
Surgery—				
Recitation	.....	2	.....	32
Clinic	2	.....	32	.....
Nervous Diseases	.....	1	.....	16
Obstetrics	.....	3	.....	48
Dispensary	4	.....	64	.....
Topographical Anatomy	2	.....	32	.....
SECOND SEMESTER:				
Medicine—				
Recitation	.....	3	.....	48
Hygiene and Sanitation	.....	2	.....	32
Clinics	2	.....	32	.....
Surgery—				
Recitation	.....	2	.....	32
Clinic	1	.....	16	.....
Genito-Urinary Diseases	1	2	16	32
Nervous Diseases	.....	2	.....	32
Dermatology	.....	2	.....	32
Dispensary	8	.....	128	.....
Obstetrics	.....	3	.....	48
Gynecology	.....	2	.....	32
Eye, Ear, Nose and Throat	.....	4	.....	64
Pathology	2	2	32	32
			496	672
Total hours				1,168

FOURTH YEAR

	Hours per Week Laboratory or		Hours per Semester Laboratory or	
	Clinic	Lecture	Clinic	Lecture
FIRST SEMESTER:				
Medicine—				
Clinic (Yenney)	4	.....	64	.....
Clinic (Gilbert)	2	.....	32	.....
Clinic (Bell)	1	.....	16	.....
Dispensary	7	.....	112	.....
Surgery—				
Clinic (Mackenzie)	6	.....	96	.....
Clinic (Wilson)	.....	2	.....	32
Clinic (Baird)	1	.....	16	.....
Dispensary	3	.....	48	.....
Obstetrics	1	.....	16	.....
Nervous Diseases	1	2	16	32
Gynecology Dispensary	1	.....	16	.....
Pediatrics	.....	2	.....	32
Dermatology and Syphilis	.....	1	.....	16
Genito-Urinary Diseases	1	2	16	32
Eye, Ear, Nose and Throat	1	2	16	32
Serum, Diagnosis	1	.....	16	.....
SECOND SEMESTER:				
Medicine—				
Clinic (Bell)	3	.....	48	.....
Clinic (Yenney)	4	.....	64	.....
Clinic (Gilbert)	2	.....	32	.....
Dispensary	4	.....	64	.....
Jurisprudence	.....	1	.....	16
Surgery—				
Clinic (Mackenzie)	6	.....	96	.....
Lecture (Baird)	.....	2	.....	32
Orthopedic	.....	2	.....	32
Operative Surgery	3	.....	48	.....
Nervous Diseases (Clinic)	1	.....	16	.....
Gynecology	1	2	16	32
Pediatrics	.....	3	.....	48
X-Ray and Electro-Therapeutics	.....	2	.....	32
Eye, Ear, Nose and Throat	1	2	16	32
			880	400
Total hours				1,280
Grand total hours				4,576

I. ANATOMY

Professor DILLEHUNT Assistant Professor CREADICK
Dr. JESSOP Dr. BISAILLON Dr. MENZIES

The Department of Anatomy provides for instruction in Gross Human Anatomy, Histology, and Embryology. For the former there is a large, light, well-ventilated dissecting room, supplied with stone-top tables. This department possesses a complete set of Bock's anatomical models; excellent articulated skeletons; several complete disarticulated skeletons and charts, to all of which the student has access. Dissecting material is abundant.

The Histology Laboratory is thoroughly equipped, each student having a private locker containing apparatus for fixing, cutting and staining specimens; a good miscroscope, and all other necessary material for use in minute anatomy.

Embryology is taught chiefly from a study of the development of lower animals, but the department is equipped with eight of Professor Zeigler's wax models of the human embryo, and with several preserved specimens of the human embryo and fetus.

1. **Dissection of the Arm and Thorax**— The student makes a complete dissection of all structures, aided by demonstrations, textbooks, atlases and models. Each student is permitted the use of the disarticulated bones of the part which he is dissecting. The work is carried on under supervision of members of the department and is supplemented by frequent quiz. Dissection period 15 hours, quiz 3 hours a week, 1st 10 weeks, 1st year. Professor DILLEHUNT, Dr. BISAILLON, Dr. JESSOP, Dr. MENZIES.
Six credit hours.

2. **Dissection of the Leg and Abdomen**—Dissection period 15 hours, quiz 3 hours a week, 2d 10 weeks, 1st year, including Splanchnology. *Six credit hours.*

3. **Dissection of the Head and Neck**—Dissection period 15 hours, quiz 3 hours a week, 3d 10 weeks, 1st year.
Six credit hours.

4. **Human Histology**— A complete course in minute human anatomy, beginning with a study of the cell and progressing through the structure of elementary tissues to the anatomy of

the various organs and viscera. Lecture 3 hours, laboratory 6 hours a week, 1st semester, 1st year. Dr. CREADICK.

Five credit hours.

5. **Human Embryology**—A study of the development of the human embryo from conception to its separation from the maternal organism. Laboratory work is conducted in the study of sections of chick and pig embryos for the earlier stages; and wax models and preserved specimens of human embryos are used in the lectures and demonstrations. Lecture 2 hours, laboratory 6 hours a week, 1st half of 2d semester, 1st year. Dr. CREADICK.

Two credit hours.

6. **Neurology**—A study of the gross and minute anatomy of the human brain and spinal cord, peripheral nerves and their endings, and the organs of special sense. Lecture 2 hours, laboratory 4 hours, 2d semester, 1st year. Dr. CREADICK.

Three credit hours.

7. **Topographical Anatomy**—A course of lectures and demonstrations in surface anatomy, position of viscera, surgically important anatomy, etc. Lecture and quiz 2 hours a week, 1st semester, 3d year. Professor DILLEHUNT, Dr. W. G. SCOTT.

Two credit hours.

II. PHYSIOLOGY

Professor MACLAREN Assistant Professor MADIGAN

The Department of Physiology offers course in all phases of this science, but the laboratory work is usually restricted to animal experiments, for which modern equipment is provided.

1. **Human Physiology**—Advanced studies in nerve, spinal cord and brain, the senses, the human nervous system and mind. Lectures 3 hours, laboratory 4 hours a week, 2d semester, 1st year. *Five credit hours.*

2. **General Physiology**—Advanced studies of circulation, respiration, secretion, nutrition, growth and heredity. Lectures 3 hours, laboratory 6 hours a week, 1st semester, 2d year.

Five credit hours.

3, 4, 5. **Clinical Physiology**—Medical physiology, surgical physiology and the use of apparatus for the diagnosis of disease. Elective for second and third year students. Hours to be arranged. *Five credit hours, both semesters.*

6, 7. **Research Physiology**—The application of the newer researches to medicine and surgery. Laboratory practice in experimental medicine. Elective for fourth year students and graduates. Hours to be arranged.

Five credit hours, both semesters.

III. PATHOLOGY AND BACTERIOLOGY

Professor BENSON Associate Professor NORTON
Assistant Professor E. H. MCLEAN

The Department of Pathology has the necessary facilities for the study of gross and microscopic pathology. The pathological laboratories of the leading hospitals of the city are under the direct supervision of the head of this department, and the surgical clinics afford a large amount of fresh pathological material for demonstration. The museum is being constantly augmented from these sources and also from the autopsies which are performed as often as the occasion presents itself. Each student is required to attend a number of autopsies during the year and to write a detailed report of the findings.

A complete set of sections for microscopic study is furnished each student, which he is required to study fully, describe and draw in colors. The student is also taught the technique of preparing sections of the tissue, by the celloidin, parrafin and frozen section methods. The school is fortunate in having an ample equipment for such work.

Besides the instruction at the Medical School, consisting of lectures, demonstrations and laboratory study, demonstrations are given at St. Vincent's Hospital by a member of this department in conjunction with surgical clinics.

The bacteriology laboratory is thoroughly equipped for the study of micro-organisms, of the principles of immunity, and of modern methods of hygiene and sanitation. It is provided with incubators, autoclaves, dry sterilizers, and all the nesessary

apparatus, and a supply of the more important pathogenic organisms is kept on hand. Provision is made for animal inoculations, and the student is given an opportunity to isolate, culture and study the various organisms.

1. **Bacteriology**—This is a practical laboratory course in which the students become familiar with the preparation of culture media, the principles of sterilization and disinfection, the methods of cultivating, staining and studying bacteria, the biological examination of air, water and soil, and the important species of pathogenic micro-organisms. The hygienic as well as the pathological relations of bacteriology are considered. Lectures 5 hours, laboratory 15 hours weekly until Christmas holidays, 2d year. Professor NORTON. *Seven credit hours.*

2. **Pathological Histology, General Pathology, and Study of Tumors**—A laboratory course in general pathology, comprising the study of prepared slides supplemented by experiments; the study of fresh and musuem specimens, lectures and recitations. Lectures 5 hours, laboratory 15 hours weekly from Christmas holidays to end of 2d semester, 2d year. Professor BENSON, Assistant Professor MCLEAN. *Ten credit hours.*

3. **Special Pathological Anatomy and Histology**—This course treats the pathological processes from the standpoint of systems of organs, and includes a consideration of the morbid anatomy, pathological histology, and clinical features of each group. Lectures 2 hours, laboratory 4 hours weekly, 1st semester, 3d year. Professor BENSON, Professor NORTON, Assistant Professor MCLEAN, and others. *Three credit hours.*

4. **Special Pathological Anatomy and Histology**—Continuation of Course 3. Lectures 2 hours, laboratory 4 hours weekly, 2d semester, 3d year. Professor BENSON, Professor NORTON, Assistant Professor MCLEAN, and others. Elective. *Three credit hours.*

5. **Surgical Pathology**—This course, consisting of demonstrations of gross specimens, will be given in the pathological laboratory of St. Vincent's Hospital, and will be supplemented by autopsies. Dr. ELSE.

6. **Serum Diagnosis**—For seniors. Elective. Hours to be arranged. Professor BENSON or Professor NORTON.

7. **Research in Pathology and Bacteriology**—Open to specially qualified students. Hours to be arranged. Elective. Professor BENSON, Professor NORTON.

8. **Autopsy Course**—Demonstration of fresh material from recent autopsies. Where possible the clinician in attendance on the case will be asked to present the clinical features of the case. One period weekly during year.

9. **Practical Hygiene**—A laboratory course in chemical and bacteriological analyses of milk, water, sewage and air, with instruction in the use of special apparatus, will be offered to students who have completed their work in bacteriology. January 1 to April 1 for fourth year students. Elective. Professor NORTON.

IV. PHYSIOLOGICAL CHEMISTRY

Professor HASKINS

The aim of the course is to give as complete a survey of bio-chemistry as possible.

The laboratory work includes extended study of proteins, lipins, carbohydrates, enzymes, digestive juices, bile, blood, milk, wine and faeces. Many pathological urines are examined. Each student performs a metabolism experiment. Quantitative determinations are made as follows: The most important fat values; freerhydrochloric acid, total acidity and pepsin of stomach contents; haemoglobin and cell counts of blood; total acidity, solids, ash, fat, protein, and lactose of milk; and the total acidity, hydrogen ion concentration, phosphates, chlorides, total nitrogen, ammonia, urea, uric acid, creatinin, sugar, acetone and albumin of urin.

Textbook: Physiological Chemistry, by A. P. Mathews (1915). Lectures, 3 hours, laboratory 9 hours a week, both semesters. *Twelve credit hours.*

V. PHARMACOLOGY, TOXICOLOGY AND PRACTICAL THERAPEUTICS

Professor MYERS Dr. FENTON

Instruction in this department aims to give a practical working knowledge of the characters of drugs and their application in the treatment of disease. Lectures, recitations, laboratory work, conferences and frequent written examinations constitute the course of instruction. The student laboratory is fully equipped with apparatus, drugs and a museum of materia medica. Current journals and books are on file in the laboratory for student reference. A supply of animals is maintained for the study of drug action upon living tissue.

1. **Materia Medica**—Instruction is given by means of lectures and recitations concerning the origin, character and preparation of drugs; metrology; prescription writing and incompatabilities. Laboratory work in the actual preparation by each student of all physical forms of drugs according to the United States Pharmacopoeia; the isolation and study of active principles; the appearance, physical and chemical characters and dosage of the more important drugs and chemicals. Lectures 4 hours, laboratory 3 hours a week, 2d semester.

2. **Pharmacology**—Lectures, conferences and laboratory work upon the actions of drugs. The class is divided into small groups, each of which performs experiments illustrating the influence exerted by various drugs upon the muscular, nervous, circulatory, respiratory, digestive and excretory organs. The indications for the use of each drug, based on its action and the form, dosage and method of prescribing are considered. Lecture 4 hours, laboratory 3 hours, 2d semester.

3. **Pharmacology**—A continuation of the course given during the second year.

4. **Toxicology**—The symptoms and treatment of poisoning; the isolation and detection of the more common poisons. Intended only to give an intelligent understanding of the processes involved. Lecture 2 hours, laboratory 2 hours, 1st semester.

5. **Therapeutics**—A lecture and recitation course in the practical application of medicinal drugs to pathological conditions, including a review of prescription writing. Dr. FENTON.

Sections of the class are given practical work at the Free Dispensary in the study of drug action in disease and prescription writing. Dr. MYERS.

VI. MEDICINE

Professor BELL Professor YENNEY Professor HASKINS
Assistant Professor GILBERT Associate Professor BINSWANGER
Assistant Professor WHITE Assistant Professor RAY MATSON
Assistant Professor RALPH MATSON
Dr. KOEHLER, Instructor in Medicine
Assistant Professor SELLING Assistant Professor KNOX
Dr. ROSENFELD, Instructor in Medicine
Dr. BOOTH, Instructor in Medicine
Assistant Professor COFFEN Dr. WALKER, Instructor in Medicine
Dr. TAYLOR, Instructor in Medicine
Dr. ROBERG, Instructor in Medicine

INTERNAL MEDICINE

Medicine is taught at first didactically by recitation from assignments, by practical work in physical diagnosis, and clinical laboratory work. Later the student is brought more closely in touch with the patient by clinics in hospitals and work in the dispensary.

1. **Medicine Recitation**—A course of quizzes in the principles of medicine from definite assignments in a one-volume medicine. 2 hours a week, both semesters, 3d year. Dr. KNOX.

Four credit hours.

2. **Physical Diagnosis**—A lecture and practical course in methods of physical examination with demonstrations and practice in percussion, auscultation, etc. 2 hours a week 2d semester, 2d year. Dr. BOOTH. *Two credit hours.*

3. **Physical Diagnosis**—A continuation of Course 3 with work in pathological conditions. 2 hours a week, 1st semester, 3d year. Dr. BOOTH. *Two credit hours.*

4. **Physical Diagnosis**—This course includes Inspection, Palpation, Percussion, Auscultation, Prognosis and Treatment.

The clinic provides abundant material for the study of tuberculosis and its modern methods of treatment, including tuberculosis therapy. Dr. RALPH MATSON, Dr. RAY MATSON.

5. **Laboratory Diagnosis**—A practical course in the laboratory in which the student is taught the chemical microscopical and bacteriologic examination of blood, urine, sputum, gastric contents, faeces, secretions, exudates, etc., and the pathologic and clinical significance. 1 lecture, 2 hours, laboratory both semesters, 3d year. Professor HASKINS. *Four credit hours.*

6. **Medicine Clinic**—A clinic devoted chiefly to instruction in the essentials of theoretical and practical medicine. 1 hour a week, entire 4th year. 1-2, Wed., St. Vincent's Hospital. Professor BELL. *Two credit hours.*

7. **Medicine Clinic**—A clinic in internal medicine confined to the senior year. 2 hours a week, entire 4th year. St. Vincent's Hospital. Assistant Professor GILBERT. *Two credit hours.*

8. **Medicine Clinic**—A clinic paying especial attention to pathology and diagnosis. 4 hours a week, entire 4th year. Multnomah Hospital. Professor YENNEY. *Four credit hours.*

9. **Medicine Lecture**—A clinic or lecture in medicine with special stress on diseases of the stomach and intestines. 1 hour a week, 1st semester, 4th year, elective. Dr. KOEHLER. *One credit hour.*

10. **Lecture and Conference in Medicine**—A lecture course with frequent quizzes on the more important and more prevalent diseases. 3 hours a week, 2d semester, 4th year. Professor BELL. *Three credit hours.*

11. **Hygiene and Sanitation**—A course treating of practical hygiene with instruction in municipal sanitation, food control and garbage destruction, and the relation of these to public health. 2 hours a week, 2d semester, 3d year. Assistant Professor WHITE. *Two credit hours.*

12. **Dietetics**—A course involving the values of foods and the methods of variance of foods in certain diseases. 1 hour a week, 1st semester, 3d year. Dr. TAYLOR. *One credit hour.*

13. **Radiology and Actinotherapy**—A course in electricity as applied to medicine and surgery, including the use of the X-Ray in diagnosis and therapy. 1 hour a week, 1st semester, 4th year. Dr. WALKER. *One credit hour.*

14. **Clinic**—Clinic for 3d year students at St. Vincent's Hospital. 1 hour a week, both semesters. Dr. BINSWANGER. *One credit hour.*

15. **Dispensary**—A course in the dispensary in which small groups are assigned to the medical side, and are given practice in writing histories, physical diagnosis, laboratory work, clinical observation and treatment. 8 hours a week, both semesters, 3d year. Dr. BOOTH, Dr. KOEHLER, Dr. MYERS, Dr. ROSENFELD.

16. **Clinical Clerkship Service**—A medical service has been established in connection with the St. Vincent's Hospital for the fourth year students. In this service the attempt is made to bring the student into the closest possible relation to the patient. Each patient entering this department of the hospital is assigned to the care of two students. These act as clinical clerks, taking the history, making the physical examination and doing all the clinical laboratory work required. It is the object of this service that each case shall be worked up as thoroughly as possible, in order to teach the student the necessity of careful and complete routine examinations. The work is in charge of three instructors. A well equipped clinical laboratory is at the service of students. Assistant Professor SELLING, Assistant Professor KNOX. Assistant Professor COFFEN.

17. **Tropical Medicine**—This is a lecture and laboratory course upon as many of the important tropical diseases as it is possible to consider in the time allotted to the course. Dr. ROBERG.

VII. NERVOUS AND MENTAL DISEASES AND MEDICAL JURISPRUDENCE

Professor JOSEPHI Assistant Professor HOUSE

The work of this department is confined to the third and fourth years, and is conducted didactically and clinically as well as by the work in the dispensary.

1. **Nervous Diseases**—A lecture and conference course dealing with the pathology, symptomatology, diagnosis and treatment of the common nervous diseases. 2 hours a week, 1st semester, 3d year. Professor JOSEPHI. *Two credit hours.*

2. **Diseases of the Mind and Nervous System**—An advanced course in the pathological conditions of the nervous system and in insanity. 1 hour a week, 2d semester, 3d year. Professor JOSEPHI. *One credit hour.*

3. **Clinic**—A clinic in nervous and mental diseases. 1 hour a week, entire 4th year. Multnomah Hospital. Assistant Professor HOUSE. *One-half credit hour.*

3a. **Clinic**—A clinic in nervous diseases at the Portland Free Dispensary. 4 hours a week, entire 3d year. Professor JOSEPHI.

3b. **Clinic**—A clinic at Morningside Hospital for Insane (by courtesy of Dr. H. W. Coe). 2 hours a week during March, 4th year. Professor JOSEPHI. *One-fourth credit hour.*

6. **Medical Jurisprudence and Medical Ethics**—A course of lectures and recitations in forensic medicine and medical ethics and economics. 1 hour a week, 2d semester, 4th year. Assistant Professor HOUSE. *One credit hour.*

VIII. PEDIATRICS

Professor LABBE
Dr. ROSENFELD
Dr. BILDERBACK
Dr. NOYES

Instruction in this department is conducted by means of lectures, conferences and clinical work at the dispensary.

1. **Anatomy, Physiology, and Hygiene of Infancy and Childhood**—Lectures and quizzes are conducted in the anatomy, physiology, and hygiene of infancy and childhood, and principles of infant feeding, and in the disorders of nutrition in infancy. 2 hours a week, 1st semester, 4th year. Dr. BILDERBACK. *Two credit hours.*

2. **Diseases of Infancy and Childhood**—A conference and lecture course in diseases of infancy and childhood. 3 hours a week, 2d semester, 4th year. Professor LABBE. *Three credit hours.*

3. **Dispensary Work**—In this course small groups are assigned to the Pediatrics side and are given practice in taking histories, physical diagnosis, laboratory work, clinical observation and treatment. 4 hours a week, both semesters, 3d year. Professor LABBE, Dr. BILDERBACK, Dr. ROSENFELD.

IX. DERMATOLOGY AND SYPHILOLOGY

Assistant Professor KING Dr. PAYNE Dr. PARKER

Lectures, recitations, demonstrations and clinical work will be conducted in dermatology and syphilis in the clinical years.

1. **Introductory Dermatology**—A lecture and recitation course in the fundamentals of dermatology and in the more prevalent diseases of the skin. Illustrative cases will be exhibited from time to time. 1 hour a week, February and March, 3d year. Assistant Professor KING. *One-quarter credit hour.*

2. **Dermatology and Syphilis**—A continuation of Course 1. 1 hour a week, 1st semester, 4th year. Assistant Professor KING. *One credit hour.*

3. **Dispensary**—A course at the Portland Free Dispensary in which small groups are assigned to the dermatological side and are given practice in writing histories, diagnosis and treatment. 4 hours a week, both semesters, 3d year. Dr. PARKER.

X. SURGERY

Professor MACKENZIE Professor WILSON
Associate Professor ZAN Assistant Professor BAIRD
Dr. ZIEGLER Dr. PEASE Dr. E. ROCKEY Dr. C. T. ROSS
Dr. HYNSON Dr. MCLEAN Dr. WADE
Dr. SHEA Dr. A. C. SMITH
Dr. HOLDEN Dr. NORDEN Dr. P. ROCKEY Dr. MCCLURE

Surgery is approached didactically in lectures, and in recitations in the principles of surgery, from text assignments throughout the junior year. Clinical work is conducted in the nearby hospitals in the third and fourth years. Minor surgery is taught clinically and at the dispensary, and operative surgery is presented in the fourth year, during which each student is required

to do actual surgical work on the cadaver. Each senior student is assigned in rotation to take part as assistant in surgical operations and as anesthetist under proper supervision, in the clinic.

1. **Surgery Recitation**—A course in quizzes in the principles of surgery and surgical pathology from definite assignments in a one-volume textbook of surgery. 1 hour a week, both semesters, 3d year. Associate Professor ZAN. *Two credit hours.*

2. **Surgical Clinic**—Minor surgery is taught clinically by demonstration of technique in elementary surgery, bandaging, care of the injured, etc. 1 hour a week, 2d semester, 2d year. St. Vincent's Hospital. Dr. ZIEGLER. *One-half credit hour.*

3. **Surgical Clinic**—A clinic in general surgery. 1 hour a week, 1st semester, 3d year. Dr. HAMILTON.
One-half credit hour.

4. **Surgical Clinic**—The attempt is made in this course to teach surgery in the most practical manner and during the past eight years a method of instruction has been followed which has been commended in many quarters for its thoroughness.

The classes are limited at the present time to twenty-five students. Four students, who have been previously strictly trained in the methods of asepsis, enter the amphitheater with the operating surgeon; two of them are assigned to assist the operator and actually take part in the operation and learn practical lessons in hemostasis, legation of vessels, and general technique; the other two students are stationed at the head under an expert anesthetist who studies anesthesia with them and instructs them in all methods of administration. While one student is engaged in giving the anesthetic under instruction, the other is being taught how to make observations with the sphygmomanometer, studying the reaction of the patient to the various operative procedures.

That part of the period which is usually consumed in preparation for operation and the administration of the anesthetic; namely, twenty to twenty-five minutes, is devoted to the study of pathology from specimens collected at previous operations under a special detail from the department of pathology.

Six hours a week, entire 4th year. St. Vincent's Hospital. Professor MACKENZIE. *Six credit hours.*

5. **Surgical Clinic**—A clinic in general surgery, dealing chiefly with fractures and other lesions of bones. 2 hours a week, 1st semester, 4th year. Professor WILSON.

Two credit hours.

6. **Surgical Clinic**—A clinic in general surgery with especial attention to surgical pathology. 1 hour a week, entire 4th year. Multnomah Hospital. Assistant Professor BAIRD.

One-half credit hour.

7. **Common Surgical Diseases**—A lecture and conference course involving a discussion of the pathology, diagnosis, and treatment of the more common surgical diseases. 2 hours a week, 2d semester, 4th year. Assistant Professor BAIRD.

Two credit hours.

8. **Orthopedic Surgery**—A lecture and clinical course in orthopedic surgery. 2 hours a week, 2d semester, 3d year. Dr. MCCLURE. *Two credit hours.*

9. **Operative Surgery**—A course in surgery on the cadaver presented by lecture, demonstration and individual work by each student on the cadaver. 3 hours a week, 2d semester, 4th year. Dr. PEASE, Dr. ROCKEY. *Three credit hours.*

10. **Surgical Dispensary**—A practical course in surgery, giving the student opportunity to do individual work in minor surgery at the dispensary. 8 hours a week, both semesters, 3d year. Assistant Professor BAIRD, Assistant Professor WHITESIDE, Dr. SHEA, Dr. ROSS, Dr. HYNSON, Dr. ROCKEY, Dr. MCLEAN, Dr. WADE.

11. **Clinical Clerkship Service**—In this service the attempt is made to bring the student into the closest possible relation to the patient. The students act as clinical clerks, taking the history, making the physical examination, and all the necessary examinations. The class will be divided into groups for the study of cases before, during and after operation. Dr. TAYLOR, Dr. JESSOP.

12. **Surgical Diagnosis** — In this course the instructor attempts to give the student the symptoms and physical signs of the more interesting surgical lesions and the manner of arriving at a diagnosis. 1 hour a week, 1st semester, 3d year. Dr. HOLDEN.

13. **Surgical Diagnosis**—Continuation of Course 12. Dr. NORDEN.

14. **Elementary Surgery**—Two hours a week, 2d semester, 2d year. Dr. PAUL ROCKEY.

XI. OBSTETRICS

Professor STORY
Assistant Professor ELLIS Assistant Professor MCCUSKER
Dr. SCOTT

Obstetrics is taught in the third and fourth years in lecture, recitation, and practical courses. Normal and pathological cases are demonstrated in hospital clinics and the out-patient service. Practical work is done by each student on the manikin and in the conduct of labor, under proper supervision in out-patient work. The student must be in attendance on at least six cases before graduation.

1. **Introductory Obstetrics**—A lecture and recitation course in the anatomy and physiology of pregnancy, the diagnosis and management of normal pregnancy, and the clinical phenomena of normal labor. 3 hours a week, 1st semester, 3d year. Professor STORY or Assistant Professor MCCUSKER.

Three credit hours.

2. **Advanced Obstetrics**—A lecture, conference and practical course in the conduct of labor and the diagnosis and treatment of pathologic conditions of pregnancy, labor and the puerperium. 3 hours a week, 2d semester, 3d year. Wednesday, Friday. Professor STORY or Assistant Professor MCCUSKER.

Three credit hours.

3. **Practical Obstetrics**—A conference and practical course in the conduct of labor and management of abnormal presentations and other complications of labor. Each student is required to do practical work with the manikin. 1 hour a week, 1st semester, 4th year. Dr. ELLIS. *One credit hour.*

4. **Obstetrics**—(a) Obstetrical measurements, diagnosis of foetal positions and clinical observations during pregnancy. Students will be taken in sections and hours arranged for seniors. Professor STORY.

(b) Cases of confinement will be demonstrated and senior students will be allowed to assist in the conduct of labor in the maternity departments of the various hospitals and in the outpatient service. Hours to be arranged. Entire 4th year. Professor STORY, Assistant Professor MCCUSKER, Dr. SCOTT.

XII. GYNECOLOGY

Professor TUCKER — Assistant Professor WIGHT
Dr. ZIEGELMAN — Dr. ELLIS

Gynecology is taught by lectures, recitations, clinics and dispensary work in the third and fourth years.

1. **Gynecology**—Lectures and recitations in the anatomy, physiology and pathology of the female pelvic viscera, methods of gynecological examination, and the diagnosis and treatment of pelvic diseases. 2 hours a week, 2d semester, 3d year. Assistant Professor WIGHT. *Two credit hours.*

2. **Clinical Gynecology**—Lectures and clinics in the clinical diagnosis and medical and surgical treatment of diseases of women. 2 hours a week, 2d semester, 4th year. Professor TUCKER. *Two credit hours.*

3. **Practical Gynecology**—Dispensary work will be assigned to senior students. Hours to be arranged. Dr. ZIEGELMAN.

XIII. GENITO-URINARY DISEASES

Professor MACKAY — Assistant Professor WHITESIDE
Dr. HOWARD

Diseases of the genito-urinary tract will be considered didactically and clinically in the junior and senior years. Practical work will be given at the dispensary in cystoscopy, urethral, catheterization and modern methods of treatment.

1. **Lecture and Conference**—Lecture and conference in anatomy and physiology of the genito-urinary tract and study of the diseases affecting it. 2 hours a week, 2d semester, 3d year. Professor MACKAY. *Two credit hours.*

2. **Continuation of Course**—With presentation of clinical work and accurate methods of diagnosis and treatment, and clinics at Multnomah County Hospital. 2 hours a week, 1st semester, 4th year. Professor MACKAY. *Two credit hours.*

3. **Dispensary Work in Genito-Urinary Diseases**—Will be assigned as a part of the work in surgical dispensary. Assistant Professor WHITESIDE, Dr. HOWARD.

4. **Clinic**—A clinic in the pathology, diagnosis, and treatment of genito-urinary diseases, and the use of the cystoscope and other diagnostic appliances. 1 hour a week, 2d semester, 3d year; 1 hour a week, 1st semester, 4th year. Multnomah Hospital. Professor MACKAY and Assistant Professor WHITESIDE. *One-half credit hour.*

XIV. OPTHALMOLOGY, OTOLOGY, RHINOLOGY, AND LARYNGOLOGY

Professor NUNN — Assistant Professor COGHLAN
Dr. RALPH FENTON — Dr. KIEHLE — Dr. DICKSON
Dr. AINSLIE — Dr. DAVIS — Dr. FRENCH

These branches will be taught separately in the elementary work by means of lectures, demonstrations and recitations, and minor surgery, in the clinics during the junior year. A more advanced course will be given in the senior year, including major surgery.

1. **Eye**—A lecture and quiz course in the anatomy and physiology of the eye and in its more prevalent diseases. 1 hour a week, 2d semester, 3d year. Dr. AINSLIE. *One credit hour.*

2. **Ear, Nose and Throat**—A course of lectures and quizzes in the anatomy and physiology of the ear, nose and throat and the pathology, diagnosis and treatment of their disorders. 1 hour a week, 2d semester, 3d year. Dr. KIEHLE. *One credit hour.*

3. **Diseases of the Eye**—An advanced course of lectures and clinics in the pathology, diagnosis and treatment of affections of the eye, ear, nose and throat. 2 hours a week, 1st semester, 4th year. Professor NUNN and Dr. WIGHT. *Two credit hours.*

4. **Diseases of the Ear, Nose and Throat**—A more advanced course in the diseases of the ear, nose and throat. 2 hours a week, 2d semester, 4th year. Assistant Professor COGHLAN.
Two credit hours.

5. **Clinic**—A clinical course in diseases of the ear, nose and throat at Multnomah Hospital. 1 hour a week, entire 4th year. Dr. RALPH FENTON. *One-half credit hour.*

6. **Dispensary**—A practical course in which the students have an opportunity to examine and make observations on cases. 4 hours a week, both semesters. 3d years at the Free Dispensary. Dr. DAVIS, Dr. FRENCH.

7. **Clinic**—A clinic at the Portland Free Dispensary paying especial attention to diagnosis. 1 hour a week, 1st semester, 3d year. Dr. DICKSON, Dr. COGHLAN.

8. **Refraction**—A course in simple refraction open to senior students and graduates in medicine. Hours to be arranged. Dr. ———

UNIVERSITY OF OREGON SCHOOL OF MUSIC

THE FACULTY

P. L. CAMPBELL, B. A., President of the University.

RALPH H. LYMAN, B. A., Dean School of Music and Instructor in Voice.

Mrs. DAISE BECKETT MIDDLETON, Assistant Instructor in Voice.

WINIFRED FORBES, Director of the Orchestra and Instructor in Violin.

JOHN J. LANDSBURY, Mus. Bach., Mus. Dr., Head of Piano Department and Instructor in Composition.

Mrs. JANE S. THACHER, Instructor in Piano.

HERMIONE HAWKINS, Instructor in Piano.

NELL MURPHY, B. A., Mus. Bach., Assistant Instructor in Piano. (On leave of absence.)

INA WATKINS, Assistant Instructor in Piano.

RUTH DAVIS, Mus. Bach., Assistant in Piano, and Secretary of School of Music.

JESSIE FARISS, B. A., Mus. Bach., Assistant in Piano.

Mrs. ROSE COFFEY POWELL, Instructor in Public School Music.

FRANK V. BADOLLET, Instructor in Flute. (On leave of absence.)

ALBERT PERFECT, Instructor in Wind Instruments.

AIMS

The Department of Music aims to provide a general cultural course for students who desire knowledge of music, and a more technical course of study for those who shall become teachers, composers, or performers of music.

COURSES

The work of the department is divided into theoretical and practical. The theoretical consists of courses in harmony, theory, history of music, and public school music. Courses 1 and 13 are open to all students without musical training.

1. **Musical Appreciation**—A course of lectures designed to promote an interest in the art of intelligent listening. This course is addressed primarily to those who wish to increase their capacity for the understanding and enjoyment of musical literature and who are desirous of knowing upon what grounds and in what measure a musical work is to be judged. Illustrations on the victrola (complete set of records) and by invited guest performers. *One hour, each semester.*

(This course will probably not be given next year, except in combination with course number thirteen.)

2. **Harmony I**—A general course in history, construction, and treatment of harmonic formations. First semester: the harmonic equipment of the key. Second semester: the functions of foreign tones, modulations, etc. *Two hours, each semester.*

(This course will be given as a three-hour course during the coming year. No increase in tuition.)

3. **Harmony II**—Harmonic reduction and expansion explained. An exhaustive study of modulation. Examination of the various harmonic theories. Harmonic analysis of representative works of Beethoven and Mozart, etc. Prerequisite: Harmony I. *Two hours, first semester.*

4. **Formal Analysis**—A study of musical architecture with special reference to the sonatas of Haydn, Mozart, Beethoven, etc. Prerequisite: Harmony I. *Two hours, second semester.*

5. **Fugal Analysis**—A course designed to acquaint the student with the structural basis of the strict style in general and the inventions and fugues of J. S. Bach in particular. Lectures on harmonic counterpoint, double, triple and quadruple counterpoint, double and triple fugue, canon, etc. Recommended as a preparation for the courses in counterpoint. Prerequisite: Harmony I. *Two hours, one semester.*

6. **Thorough Bass**—A course in the harmonization of basses and melodies (usually called Harmony) based upon the treatises of Emery, Richter, Jadassohn, and others. *Two hours, one semester.*

7. **Keyboard Harmony and Ear Training**—A course in the application of harmonic principles to the pianoforte. Playing from dictation—modulations, etc. Prerequisite: One-half year of Harmony I, or Thorough Bass. *One hour, one semester.*

8. **Counterpoint**—A practical course in simple counterpoint based upon the treatises of Bridge, Richter, Jadassohn, etc. Some work in the practical double counterpoints. For further work see "Canon and Fugue." Prerequisite: Harmony I.
Two hours, one semester.

9. **Canon and Fugue**—Application of the preceding courses to the canon and fugue and strict style of composition in general. Prerequisite: Harmony I and Counterpoint.
Two hours, one semester.

10. **Free Composition I**—Study of the variation, simple song forms, etc. Prerequisite: Harmony I and II, and Formal Analysis. *Two hours, one semester.*

11. **Advanced Composition II**—The developed ternary form, rondo, song, etc. Not more than three permitted in class. Prerequisite: Harmony I and II, Formal Analysis, Free Composition. *Two hours, one semester.*

12. **Musical Philosophy**—A course of lectures dealing with the physical basis of music, temperaments, consonance and dissonance, decomposition of chords, figure and color analogies, etc. Admission by appointment. *One hour, one semester.*

13. **Musical History**—A general course in the evolution of music; its relation to the other arts and sciences and its place in a liberal education. Primitive music, the Greek systems, early church music, polyphonic music, instrumental music, the opera, oratorios, etc. Recommended to be taken with Harmony I. (See foot-note on course No. 1.)
Two hours, entire year.

14. **Elementary Instrumentation**—A course in arrangement and composition for orchestra. Prerequisites: Harmony I and II, Formal Analysis, Fugal Analysis, Canon and Fugue, Composition I and II. *Hours to be arranged.*

15. **Public School Music**—To prepare for the teaching and supervision of music in the grades and high school, giving the most approved methods and outlining a general course to be used in teaching. To obtain a certificate on completion

of this course, students will be required to have taken two years of Harmony, four hours History of Music, Choral Conducting, Sight Singing, two years of Voice Training, and be able to play the piano well enough to play accompaniments of moderate difficulty. Limited opportunities for practice teaching are given in the Eugene public schools.

Two hours, two semesters.

16. **Chorus Directing**—A practical course in the rudiments of directing. The members of the class act as a chorus, and each one is asked to direct at each recitation.

One hour, one semester.

17. **Sight Singing**—A practical course in which the rudiments of music as applied to reading music at sight will be given. Class meets once or twice a week, but no college credit is given.

18. **Arranging for Band**—A practical course in instrumentation and arranging for band. *Hours and tuition to be arranged.*

19. **Band Conducting**—A course in conducting and organizing amateur bands, open to skilled players of band instruments. Knowledge of all band instruments as well as of the technique of conducting. *Hours and tuition to be arranged.*

Candidates for the degree of Bachelor of Music must have completed the entrance requirements of the University before beginning the course. The following are the requirements for candidates for the Music Bachelor degree. This schedule will give the credit which ought to be given to the practical work in music, allow the pupil to take a full course in the theoretical work, and yet allow for a fairly broadening course without which we feel that no university degree should be granted. The practice which a pupil does is considered as laboratory work and credit is given on that basis.

	Piano, etc. Hours	*Voice. Hours*
Major subject (piano, violin, etc.), 4 years, 3 hours daily practice, 2 lessons per week	48	....
Major subject (voice), 4 years, 1 hour daily practice 2 lessons per week	....	24
Minor subject, 1 year, 1 hour daily practice, 1 lesson per week	4	4
Harmony, 4 years, 2 hours per week	16	16
History of Music	4	4
Appreciation of Music	2	2
Two years, one modern language	18	....
Two years of one modern language, 1 year Italian, 1 year another modern language (required of voice students)	....	32
English	6	6
Totals	98	88
Free electives (of which all but 10 must be from other studies than music)	22	32
Totals	120	120

In case the major subject chosen is Harmony, not less than 20 hours nor more than 40 hours must be presented in that subject, while a minor of some practical study of Music must be pursued for the four years of the course—one lesson weekly, and at least one hour of practice daily—for which a total of 16 hours credit will be allowed. Additional hours in English, Psychology, and Physics should be taken. The other requirements will be the same as for a student majoring in Voice.

Practical courses are offered in Voice, Piano, Violin and all Band Instruments. These courses are elective, and are open to any student who wishes to study Music, whether a candidate for a degree or not. Candidates for the degree of Bachelor of Arts may take Music each year. College credit of four semester hours for practical Music is given. Further credit is given for theoretical Music toward a B. A. degree, it being considered a major subject in the College of Liberal Arts. All students in Piano and Violin are required to take the theoretical course, unless permission to omit such work is given by the Dean of the School of Music.

Upon entrance to the four years of piano work offered in the University the candidate for the degree of Bachelor of Music must be thoroughly familiar with the major and minor

scales, triads and arpeggios. He should have studied selections from the following (or similar) works: Heller op. 45, 46, 47; Czerny op. 299; Berens op. 61; Hanon, Schmitt, Spanuth, Zwintcher, etc. He must be able to perform intelligently one of the easier sonatas of Mozart, Haydn or Dussek, and a two-voiced invention or one of the easier fugues of J. S. Bach. Upon entrance to the four years of Voice work offered in the University, the candidate for the degree of Bachelor of Music should have a knowledge of notation, tonality, intervals and rhythm, and should be able to sing studies from Abt, Concone op. 9, Panofka op. 85, or their equivalent.

Upon entrance to the four years of Violin work, the candidate for the degree of Bachelor of Music should be able to produce a good tone, to play in first position with accurate intonation, to give an acceptable rendering of simple melodies, and to read at sight.

Upon entrance to the four years of work in wind instruments, including the flute, the candidate for the degree of Bachelor of Music should be able to read music, understand the mechanism of his instrument, know the correct fingerings, embouchure, breathing, and be able to play moderately difficult exercises and scales.

PREPARATORY COURSES

In Voice, Piano, Flute, Violin and wind instruments, courses are offered from the beginning of music study, for the benefit of those who have had comparatively little or no work.

RECITALS

Practice recitals are given weekly, giving every student an opportunity to play, and incidentally affording him a larger knowledge of musical literature in all grades. Public recitals are given during the year.

ENSEMBLE CLASSES

Ensemble classes (small groups of three or four violins, with or without pianos) are rehearsed once a week under the direction of Miss Forbes. The class is given graded compositions selected from the best classic and modern musical literature and is given drill in sight reading, technic and interpretation.

ACCOMPANYING

Special instruction in the difficult art of accompanying is given. Rates and further particulars upon application.

PREPARATORY HARMONY

A special feature of the piano and violin departments is a course in preparatory harmony and sight reading, which all students are required to take if they have not already had such training. These classes are graded and held once a week. No tuition.

TUITION

One lesson per week for one semester (18 weeks):

	Half-hour lessons	*Hour lessons or two half-hour lessons*
Mr. Landsbury Mr. Lyman Mrs. Thacher	$30.00	$55.00
Mr. Badollet Miss Forbes Miss Hawkins	25.00	45.00
Miss Murphy Mr. Perfect Miss Watkins	18.50	35.00
Miss Davis Miss Fariss	15.00	25.00

Two one-hour lessons per week, double the hour rate.

Harmony, History of Music, Public School Music, Composition and Chorus Directing:

Two-hour or three-hour courses (per semester)	$12.50
One-hour courses (per semester)	7.00

All tuition payable in advance by the semester.

Teachers are not allowed to give lessons until tuition is paid.

Pupils coming in late will be charged a rate per lesson slightly in advance of the rate for the semester, and will be required to pay in advance for the remainder of the semester.

No refunds will be allowed in the case of tuitions for class work, except in cases of long illness, where the loss will be shared with the student.

Claims for refunds must be made before the end of the semester.

In case of illness, the teacher will make up the lessons missed, providing that the teacher has been notified before the lesson hour. If it is found impossible to make up the lesson, the money will be refunded upon application.

Lessons missed because of the illness or absence of the teacher will be made up or the money refunded.

Pupils wishing to withdraw from their work before the end of the semester, or to change teachers, must obtain the consent of the Dean before doing so, and shall pay the higher rate for all lessons taken.

The following rates will be charged for pupils entering late, or taking less than a full semester's lessons:

For one half-hour lesson a week:

When the semester rate is	$30.00	$1.75 per lesson
When the semester rate is	25.00	1.50 per lesson
When the semester rate is	18.50	1.10 per lesson
When the semester rate is	15.00	.90 per lesson

For two half-hour lessons, or one-hour lesson per week:

When the semester rate is	$55.00	$1.65 per lesson
When the semester rate is	45.00	1.35 per lesson
When the semester rate is	35.00	1.05 per lesson
When the semester rate is	25.00	.75 per lesson

The rates for two one-hour lessons are double the above rates.

ADDITIONAL EXPENSES

The School of Music has four practice rooms equipped with new pianos. These may be rented for one hour daily for $4.00 per semester. Additional hours at the same rate.

Information in regard to living and incidental expenses may be secured from the Registrar of the University.

CORRESPONDENCE-STUDY

FACULTY

P. L. CAMPBELL, B. A., LL. D., President of the University.
JOSEPH SCHAFER, Ph. D., Professor of History and Dean of the Extension Division.
MOZELLE HAIR, B. A., Secretary of the Extension Division.
PERCY PAGET ADAMS, B. S., Professor of Graphics.
ERIC W. ALLEN, B. A., Professor of Journalism.
FRED CARLTON AYER, Ph. D., Professor of Education.
CECILIA SMITH BELL, B. A., Assistant Instructor in English Literature.
JOHN FREEMAN BOVARD, M. S., Professor of Zoology.
WILLIAM PINGRY BOYNTON, Ph. D., Professor of Physics.
ROBERT CARLTON CLARK, Ph. D., Professor of History.
EDMUND S. CONKLIN, Ph. D., Professor of Psychology.
EDGAR EZEKIEL DECOU, M. S., Professor of Mathematics.
COLIN VICTOR DYMENT, B. A., Professor of Journalism.
JAMES HENRY GILBERT, Ph. D., Professor of Economics.
HERBERT CROMBIE HOWE, B. A., Professor of Modern English Literature.
EARL KILPATRICK, B. A., Assistant Director, Extension Division.
EDWARD HIRAM MCALISTER, M. A., Professor of Mechanics and Astronomy.
G. ROBERT MCAUSLAN, Professor of Salesmanship.
GRAHAM J. MITCHELL, M. A., Assistant Professor of Geology.
D. W. MORTON, M. A., C. P. A., Dean School of Commerce.
JOHN P. O'HARA, M. A., Assistant Professor of History.
MABLE HOLMES PARSONS, M. A., Professor of Rhetoric.
MARY HALLOWELL PERKINS, M. A., Assistant Professor of Rhetoric.
ROBERT W. PRESCOTT, B. A., Professor of Public Speaking.
GEORGE REBEC, Ph. D., Professor of Philosophy.
ARCHIBALD F. REDDIE, B. A., Professor of Public Speaking.
FRIEDRICH GEORG G. SCHMIDT, Ph. D., Professor of the German Language and Literature.
HENRY D. SHELDON, Ph. D., Dean School of Education.
DON C. SOWERS, Ph. D., Professor of Municipalities and Public Accounting; Director Municipal Research Bureau.

FRED L. STETSON, M. A., Assistant Professor of Education.
ALBERT RADDIN SWEETSER, M. A., Professor of Botany.
IDA TURNEY, M. A., Assistant in English.
MARY WATSON, M. A., Instructor in English Literature.
ROY M. WINGER, Ph. D., Assistant Professor of Mathematics.
FREDERICK GEORGE YOUNG, B. A., Professor of Economics and Sociology.
R. H. WHEELER, Ph. D., Instructor in Psychology.

THE CORRESPONDENCE-STUDY DEPARTMENT

The Correspondence-Study Department of the Extension Division is designed to bring the help of the University directly to those citizens of Oregon of all ages who may be so situated as to be unable to attend an institution of learning, but who are anxious to carry forward their education by employing to that end the hours of relaxation from their regular work, and who would be able to do this very advantageously under such guidance as the University can afford them. The demand for correspondence courses has grown steadily for several years and every effort has been made to supply the courses that seemed to meet the needs of the largest number of students. Several new courses have been added this year and others will be announced as rapidly as the demand for them and the resources of the department seem to justify them.

Among those who are taking advantage of correspondence-study courses are:

(1) The teachers in our public and private schools, a good proportion of whom are ambitious to improve their professional equipment both for the personal gratification implied in it and for the sake of the professional advancement which depends on uninterrupted intellectual growth.

(2) Men and women engaged in nonprofessional occupations who have the opportunity and the desire for self-improvement through one or more lines of systematic reading.

(3) Young men employed in clerical positions—banks and mercantile houses, on farms or in workshops—who are engaged in assembling funds to defray the expenses of an education like Engineering, Law, Medicine, Journalism, Teaching, or the

Ministry, and who wish to shorten the period of necessary residence study at the profesional school by making the best use of their time from month to month during the earning period.

(4) Young women engaged as clerks and stenographers who wish to fit themselves for teaching or for secretaryships requiring more advanced training, and who find themselves in possession of a good deal of time before and after office hours which can be profitably employed in regular progressive study.

(5) Men on farms, in shops, or in lumbering or mining camps who can make excellent use of courses in Mathematics, in Science or in Engineering as a partial equipment for their regular work.

(6) Young persons wishing to prepare for college, and others who have matriculated in college or technical schools, who can make use of vacation time or periods of enforced absence from school to advance their preparation.

(7) Professional men and women who wish to keep in touch with the various branches of general knowledge or who are studying to fit themselves for higher positions in their chosen professions.

(8) Homemakers who want the stimulus of outside influences such as the University can provide, to broaden the interests of the home.

(9) Mothers who wish scientific information on the care of children and who are interested in the problems connected with the schools.

(10) Women's clubs, parent-teacher associations, civic clubs, reading circles and other similar organizations.

Correspondence work cannot take the place of regular attendance at the University, but when for any reason attendance is impossible or must be deferred for a time, correspondence study may be employed to advantage. For this reason the courses have been made to reproduce as nearly as possible the actual work of the classroom and for the completion of a course a student is entitled to credit if requirements of the department are properly met.

The instructor in each case prepares the outlines, which are sent to the student in the form of "lessons," with instructions for their preparation and return. The student's work

is examined and criticised and returned for such correction or amplification as may be indicated on the papers. Special directions and suggestions are added as they may be required by the individual student. Important helps and suggestions are given students through the medium of the Extension Monitor, a small magazine devoted to the extension work of the University, and sent to all registered correspondence students.

Correspondence courses are, for the present, arranged in four groups:

1. **University Courses**—For which credit may be secured toward a degree. The maximum amount of credit earned in correspondence courses which may be counted toward the B. A. degree is forty semester hours, or one-third of the hours required for graduation.

A semester hour is the credit given for a correspondence which is the equivalent of a similar course at the University, consisting of one recitation, lecture or laboratory period a week for one semester or twenty weeks.

2. **Entrance Courses**—These courses may be taken for the removal of entrance conditions in preparation for a regular University course, but credits so earned cannot be offered for credit toward a degree. These courses are not to be regarded as substitutes for high school work, but are for students who are so situated that they cannot attend high school, but who wish to complete their preparation for entrance to the University or continue their studies until such a time as they can reenter the high school.

3. **Courses for Clubs**—These courses consist of topical outlines and bibliographies to accompany them arranged for the special convenience of clubs. Fuller descriptions of these courses will be found at the close of the Bulletin under the head of "Courses for Clubs."

4. **Courses for Teachers**—These courses consist of outlines and study helps on the books included in the Teachers' Reading Circle list. Teachers are invited to write to the Extension Division for any of these outlines.

REQUIREMENTS FOR ADMISSION

No formal examination is required for admission to the Correspondence-Study Department, but students are required to give full information regarding their preparation for the courses they wish to take by correspondence. Students will usually be permitted to pursue the courses which they prefer, but the department reserves the right to substitute courses for those chosen by the student when such a change would be clearly in keeping with the preparation and best interests of the student.

A student's connection with the department may continue as long as the ability and disposition are manifested to carry on the work profitably. Students in attendance at a regular session of the University of Oregon or of some other institution will not be permitted to register for correspondence courses unless special arrangements for such work are made following the advice of the instructors of the student.

CREDIT FOR CORRESPONDENCE COURSES

Credit is given for the satisfactory completion of a correspondence course, including a final examination. Credits earned in correspondence courses by students are recorded in the office of the Registrar of the University until such students register for regular work in the University of Oregon, when these credits can be counted toward graduation. The maximum number of college credits earned by correspondence which may be offered for the Bachelor of Arts degree is forty semester hours. Courses for which entrance credit is given are for students who cannot take a complete high school course and for teachers preparing for State examinations. Such courses cannot be taken for college credit unless so specified in the description of courses, but college courses may be taken to remove entrance conditions if special arrangements to this end are made.

SCHEDULE OF MARKS

The system of marks used in grading correspondence papers is as follows:

H—Honor, the highest grade given and indicative of unusual work.

S—Superior, denoting work that is distinctly above the average.

M—Medium, good average work.

P—Poor, below the average, barely passing.

F—Failure.

Cond.—Condition. This mark is given when work is hardly of a passing grade, but the instructor feels that the student is entitled to the privilege of a second examination or another chance to raise the grade to a passing mark.

Inc.—Incomplete. This mark indicates that for some reason the work of a course has not been completed. Credit cannot be given until the work is completed.

FORMAL EXAMINATIONS

Formal examinations are required only when credit is desired. Such examination should be taken as soon as possible after the completion of a course, usually not later than three weeks after the last corrected report for such course has been returned to the student. Examinations are given at the office of the Extension Division of the University whenever possible, but other arrangements may be made subject to the approval of the Correspondence-Study Department.

EXPENSE

A small fee is charged for correspondence courses to cover the postage on lessons sent to the student, on reports that are returned and the general correspondence that is carried on with the student during the progress of the work.

Beginning with January 1, 1914, a slight change was made in the fees, introducing the graduated fee depending on the length of the courses. There is now required:

1. A registration fee of $1.00, payable once a year as long as the student continues to do work in the department.

2. A fee for courses of 50 cents for each credit hour, the the total amount depending on the course for which registration is made. Thus charges for all courses will be estimated on the following basis:

1-hour college courses	$ .50	5-hour college courses	$2.50
2-hour college courses	1.00	6-hour college courses	3.00
3-hour college courses	1.50	1 entrance unit course	3.00
4-hour college courses	2.00	½ entrance unit course	1.50

NOTE—In estimating the comparative value of entrance and college credits at the University, one entrance unit is counted the equivalent of six college semester hours, and a half entrance unit the equivalent of three college semester hours.

All fees are payable at the time of registration and should be sent to the Registrar, University of Oregon, Eugene, with the application. In estimating the amount, students who are registering for the first time or whose registration has expired should add to the $1.00 registration fee the amount for each course according to the above schedule. For instance, the course "Principles on Economics," given by Professor Gilbert, is a five-hour course and would cost the student $2.50, which added to the $1.00 registration fee, would make the total to be sent $3.50. Students whose registrations are still in force may register for additional courses at any time by paying the fees for courses.

Students who register for correspondence courses and for any good reason are unable to continue with the work may have the fees refunded, provided application is made within a month from the date of registration. Registration receipts must always accompany the application for the refund of fees.

Clubs may register for courses on the payment of a fee of $2.00 for each course for the entire club, provided that the lesson papers and all communications can be mailed to one address. Individual members of the club who wish to prepare reports for correction will be required to pay the regular student fees.

Remittances should be by postal or express money order or by bank draft and made payable to the Registrar, University of Oregon. Postage stamps should not be sent for fees.

Textbooks and other required materials mentioned in the description of courses are to be purchased by the student. If they cannot be secured conveniently through a local dealer, they may be ordered from the Extension Division. Money for textbooks and supplies should always accompany the order.

REGISTRATION

To register for correspondence courses fill out the blank at the back of this catalogue and send it to the Registrar, University of Oregon, Eugene, inclosing at the same time the required fees. If books or supplies are desired, inclose the necessary amount. Additional application blanks may be secured from the Registrar. In filling out the application blank students should be careful to state clearly the preparation they have had for the correspondence courses they wish to undertake.

Correspondence courses offered by the Extension Division of the University of Oregon are intended for residents of Oregon only, but in a few cases the privileges have been extended to those moving out of the State and to those whose residence outside the State is temporary, under the same conditions granted to students regularly entitled to them. Ordinarily students who do not reside in the State will be required to pay a more substantial fee to cover the cost of instruction.

Students should not register for more than three courses at one time, as experience has shown us that this is all the work that can be carried successfully by any student. One or two courses will be all that students who are engaged in other pursuits can handle.

GRADUATE COURSES

A few graduate courses are provided for students who wish to undertake such work, but these students should write for special instructions regarding the necessary procedure to secure them. Candidates for the Master's degree should submit a formal application for advanced standing to the Graduate

Council of the Faculty and upon their acceptance by the council as graduate students may pursue such correspondence courses for credit as the major professor may assign.

At least one semester of residence work is required for the Master's degree, but the remainder of the thirty hours may be completed through correspondence courses and the Summer School, provided special arrangements are made with the major professor and the Graduate Council.

COURSES PREPARATORY TO THE PROFESSIONS

Many letters are received from young men and women who wish to prepaare for some profession, as law, medicine, journalism, or teaching, but who feel that they must shorten the residence period of their college training by taking some of the courses preparatory to their chosen profession by correspondence. The following groups of courses have been arranged to suggest the possibilities of correspondence work in preparation for a few of the ordinary professions.

MEDICINE

Physics—Elementary and College.
Botany.
Psychology.
English.
German.

TEACHING

Any or all of the courses listed under "Education."
English.
Psychology.
Courses touching the subject in which the teacher wishes to specialize.

JOURNALISM

English.
Journalism—Courses "A" and "D."
History.
Economics.
Literature.
Psychology.

Engineering

All mathematical courses.
Mechanical Drawing.
Freehand lettering.
Physics—Elementary and College.
English.
German.
Economics.
History.

Business

General Organization of Business.
Bookkeeping and Accounting Principles.
Cost Accounting.
Solution of C. P. A. Problems.
The Law of Contracts.

SUMMER SCHOOL

FACULTY

P. L. CAMPBELL, B. A., LL. D., President of the University of Oregon.

JOSEPH SCHAFER, Ph. D., Professor of History of the University of Oregon; Dean of the Summer School and Instructor in History.

LEWIS R. ALDERMAN, B. A., Superintendent of City Schools, Portland; Lecturer in Education.

ROY C. ANDREWS, B. A., Instructor in Science, Astoria High School; Assistant in Physics Department.

FRED C. AYER, Ph. D., Professor of Education, University of Oregon; Instructor in Education.

ERNEST S. BATES, Ph. D., Professor of English, University of Oregon; Instructor in English.

MAUDE JOY BEALS, B. A., Director of Music, Auburn, Washington Public Schools; Instructor in Music.

JOHN F. BOVARD, M. A., Professor of Biology, University of Oregon; Instructor in Zoology.

WM. P. BOYNTON, Ph. D., Professor of Physics, University of Oregon; Instructor in Physics.

A. E. CASWELL, Ph. D., Assistant Professor of Physics, University of Oregon; Instructor in Physics.

R. C. CLARK, Ph. D., Professor of History, University of Oregon; Instructor in History.

TIMOTHY CLORAN, Ph. D., Professor of Romance Languages, University of Oregon; Instructor in Romance Languages.

E. E. DECOU, M. S., Professor of Mathematics, University of Oregon; Instructor in Mathematics.

M. H. DOUGLASS, M. A., Librarian, University of Oregon; Instructor in Library Science.

COLVIN V. DYMENT, B. A., Professor of Journalism, University of Oregon; Instructor in Journalism.

CHARLES R. FRAZIER, M. A., Superintendent of Schools, Everett, Washington; Lecturer in Education.

ROBERT KROHN, Supervisor of Physical Training, Portland Public Schools; Instructor in Physical Education.

D. WALTER MORTON, C. P. A., Professor of Commerce, University of Oregon; Instructor in Teachers' Commercial Branches.

GEORGE REBEC, Ph. D., Professor of Philosophy, University of Oregon; Instructor in Philosophy and Psychology.

E. CLYDE ROBBINS, Ph. D., Assistant Professor of Economics and Sociology, University of Oregon; Carnegie Endowment Lectuerer on Internationalism.

W. R. RUTHERFORD, Superintendent of Schools, Eugene, Oregon; Lecturer in Education.

F. G. G. SCHMIDT, Ph. D., Professor of German, University of Oregon; Instructor in German.

HENRY D. SHELDON, Ph. D., Dean of the School of Education, University of Oregon; Instructor in Education.

J. DUNCAN SPAETH, Ph. D., Professor of English, Princeton University; Lecturer in English.

O. F. STAFFORD, M. S., Professor of Chemistry; University of Oregon; Instructor in Chemistry.

A. R. SWEETSER, M. A., Professor of Botany, University of Oregon; Instructor in Botany.

R. M. WINGER, Ph. D., Assistant Professor of Mathematics, University of Oregon; Instructor in Mathematics.

ESTHER W. WUEST, Director of Art, Portland Public Schools; Instructor in Drawing and Design.

FREDERICK G. YOUNG, Professor of Economics and Sociology, University of Oregon; Instructor in Sociology.

GENERAL INFORMATION

SCHEDULE

The eleventh annual summer session of the University of Oregon will open Monday, June 19, 1916. Lectures begin on the opening day at 8 o'clock. The session closes Friday, July 28, 1916.

PURPOSE OF THE SESSION

The University, in offering this year's summer session, aims to extend the opportunity of its equipment, library and instructional organization to those persons who have this period open for study, and who, in most cases, are fully employed otherwise during the regular college year.

TO BENEFIT SCHOOL MEN AND WOMEN

Especially important among those whom the Summer School is designed to help is the great body of public and private school teachers. A custom which is well nigh universal accords to teachers a free time during three or four months of the summer. While this is called vacation, yet the progress in professionalizing the teacher's calling has caused a great change in the earnest teacher's idea of the way to spend the vacation period. Since average members of other professions, and also most business men, limit their vacations to one month or less, the argument that the teacher requires the full free period for physical recuperation or play becomes untenable. Moreover, it is now well understood that a change of occupation and environment serves recreational ends quite as well as does the complete abandonment of systematic work. A recognition of these facts, coupled with the growing conviction that the summer vacation forms a peculiar opportunity for the teacher to advance his professional equipment and standing, has everywhere given impulse to systematic vacation study which is today crowding the summer schools in all of the recognized centers of learning.

TERMS OF ADMISSION

The presentation of fifteen credit hours of high school work, which shall include three years of English, two years of Mathematics, and two years of some foreign language, admits to full freshman standing in the University as a regular student, provided such student desires to pursue one of the regular courses of study for the usual number of hours a week. One similarly prepared may have the privilege, within certain restrictions, of selecting special studies and carrying a smaller number of

hours than the regular student. Persons of the age of twenty years or over may enter the University and carry studies for which their previous training prepares them, even though such training be irregular in amount and kind. Such persons are called adult special students.

The matriculation requirements for persons who desire to earn University credit in the Summer School are in general the same as for other sessions of the University. In addition, in view of the special appeal which a summer session makes to a large class of teachers, for whom this is the only opportunity to do some college work, the following slight modification of the rules will be permitted:

Any person who has taught or is authorized to teach a school in this State for the period of one year, under a regular certificate, is entitled to the privileges of the University Summer School, whether or not he has attained the adult age of twenty years.

FEES

The fee for the summer session, irrespective of the number of courses taken, will be ten dollars ($10.00). The fee in laboratory courses will cover only the cost of materials used. But no fee is charged to those coming for a few days to attend the conferences, and such persons are cordially invited to visit any of the work which may be of interest to them.

CREDITS FOR SUMMER SCHOOL WORK

Candidates for a degree in the University will receive credit for work done in the summer session, provided their work satisfies the department and they pass the examination held at the end of the course in which credit is desired. A total of six semester hours may be allowed for the work of a session. One hour of credit for the assembly lectures may be included in the six, provided the student shall pass a satisfactory examination based on the lectures and on the required reading assigned by the lecturers.

RESIDENCE REQUIREMENT

By special Faculty ruling, three summer terms will be held to satisfy the residence requirements for teachers, with permanent certificates, seeking the Bachelor's degree.

REGISTRATION

Registration must precede entrance upon any part of the work of the summer session. Students should report at the Registrar's office Saturday, June 26, and pay the registration fee. Lectures will begin at 8 o'clock Monday morning. It is important that students be present on the opening day of the session. Students who enter late will find it difficiult to make up their work.

ROOM AND BOARD

Full lists of both boarding and rooming places are kept on file in the Registrar's office and are available for all students. The number of places is large and it is usually best for students to make their selection after reaching Engene.

The main dining hall at the University Dormitory will be kept open throughout the summer session for the accommodation of Summer School students and board will be furnished both men and women at $4.50 per week.

The University will furnish room and board for both men and women at $5.50 per week, the occupant to furnish blankets, pillow and towels. The linen for the bed will be furnished by the University.

Rooms in private families can be secured from $4.00 to $10.00 per month. A good many rooms for light housekeeping will also be available.

A SUMMER RESORT SCHOOL

The University of Oregon is exceptionally well located to afford a pleasant place for summer study. Eugene, a town of 13,000 to 15,000 people, is at the head of the Willamette Valley, so situated that there is hardly a day of the summer that is not made delightful by a cool northwest breeze blowing

direct from the ocean. The climate, strikingly similar to that of Macinac Island, has already made this institution known east of the Rocky Mountains as one of the most attractive summer resorts on the continent. The University buildings are situated on a natural rise of ground overlooking the city and are surrounded by a beautifully parked campus in which are large numbers of evergreen and deciduous trees, making a delightfully cool and shaded place for summer work. The Willamette River flows along the campus on the north, and the McKenzie River, flowing from the glaciers of the Three Sisters, is only a short distance away. The race affords an attractive place for canoeing and picnicking. Numerous tennis courts, baseball grounds, etc., all of which are free to students, give ample scope for athletic diversions and for wholesome exercise.

RECREATION

The social life at the summer session in recent years has been most enjoyable and the effort will be made to render it even more pleasant this year. There will be the customary Summer School party, held early in the session either at the reception room of the dormitory or on the lawn in front of the president's house. In addition to numerous picnics on the race and river, and the continuation of a delightful custom inaugurated two years ago of taking picnic suppers on the University campus, there will be the annual excursions to the McKenzie River and to other points of interest. The tennis courts are free to all and a tennis tournament will be held during the summer session.

THE LECTURE COURSES

The management of the University Summer School has laid special stress on the public lectures provided for all those in attendance. These lectures, delivered before the general assembly each day of the session at 11 o'clock, have brought Summer School students in touch each year with some of the recognized masters in education, literature, philosophy, history and science.

Illustrative of the quality of the University Summer School lecturers is the list of those who lectured last year. They were: Dr. Adolph A. Berle, of Tufts College, Cambridge, Mass.; Dr. Stockton Axson, of Princeton; Dr. Frederick J. Turner, of Harvard; Dr. Clifton F. Hodge, of Oregon; Dr. W. G. Morgan, of Reed College; Superintendent L. R. Alderman, of Portland; Dr. George Rebec, of Oregon; and Dr. Henry D. Sheldon of Oregon.

DEGREES CONFERRED

On Commencement Day, June 16, 1915, degrees were conferred as follows:

THE DEGREE OF MASTER OF ARTS UPON

Clyde B. Aitchison
H. E. Barnhart
George A. Briscoe
Karl W. Onthank

THE DEGREE OF MASTER OF SCIENCE UPON

James Laurence Whitman

THE DEGREE OF BACHELOR OF ARTS UPON

Luton Ackerson
Roy C. Andrews
Callie Bertha Beck
Earl Blackaby
William R. Boone
Florence Bowden
Thomas Boylen, Jr.
George A. Briscoe
Gertrude Buell
William Avery Cass
Marjorie K. Cogswell
Mary Lucile Cogswell
Genevieve Cooper
Jacob R. Cornog
Peter Campbell Crockatt
Georgiana Cross
Thomas G. Donaca
James Thomson Donald
Benjamin Fultz Dorris, Jr.
Ruth Dorris
F. Boyce Fenton
Carlyle Dressler Geisler
Marsh H. Goodwin
Helen Jane Hamilton
Fred Archibald Hardesty
Leland Geisy Hendricks
Maurice Benjamin Hill
Louis Benjamin Hoisington
Bertrand Stuart Jerard
Roy Johnson
Vera Edwards Kellems
Florence Oswald Kendall
Katherine J. Kirkpatrick
Carolyn Susanne Koyl
William Edward Lackey
Beatrice Lilly
Herbert W. Lombard
Edith Vaughn McCormick
Millar McGilchrist
Margaret Mann
Samuel F. Michael
Mabel Salena Miller
Vera Myrtle Moffat
Josephine Moorhead
Victor Pierpont Morris
Nellie Inez Newland
A. Tyndall Park
Lois C. Parks
Rex Putnam
Hazel Vern Rader
Hazel Laura Ralston
Clarence William Reynolds
Mildred Riddle
Augustus P. Scholl
Charlotte Strong Sears
Ruth Willard Sears
Velma Sexton
Lucile Shepherd
Gretchen Sherwood
Rose Sieler
Anita Jay Slater
Franklin W. Staiger

Beulah Annette Stebno
Lyle Steiwer
Edith L. Still
Gertrude Taylor
Cora Truman
Helen Narcissa VanDuyn
Ellen Vanvolkinburgh
Raymond Warner
John Andre Wells
Helen Clare Werlein
Betsey Westerdale Wootton
Bertha Pearl White
Margaret Whalley
D. W. Wight

THE DEGREE OF BACHELOR OF SCIENCE IN ENGINEERING UPON

Arthur LaVern Apperson
Francis Arthur Beebe
Morris S. Bigbee
Walter Brenton
Thornton Howard
Anthony Jaureguy
Tetsutaro Tatsugami

THE DEGREE OF DOCTOR OF MEDICINE UPON

Walter Raleigh Anderson
Harry Clyde Blair
Charles F. Bloom
Mark Watson Emery
Frank C. Hart
Ivan Charles Jackson
William J. Jones
Irving Martin Lupton
Eldridge G. Margason
William Louis Miller
William Bernard McNerthney
Dorwin L. Palmer
C. Harold Palmer
Glenn Edward Prime
Earl Milford Rice
J. Carle Rinehart
H. Wm. Steelhammer
Paul A. Schmidt

HIGHEST HONORS

The following students have successfully passed the examinations required for Highest Honors in the subjects listed below:

Economics
James T. Donald

English Literature
Lyle Steiwer

History
Bertha Pearl White

Physics
J. Andre Wells

Psychology
Louis B. Hoisington

HONORS IN GENERAL SCHOLARSHIP

Summa Cum Laude
Beulah A. Stebno

Magna Cum Laude
Edith Vaughn McCormick

STUDENTS ENROLLED

GRADUATE SCHOOL

Name	*Home Address*
Louretta M. Archambeau, B. A., University of Oregon, 1914	Eugene
H. E. Barnhart, B. A., Dallas College; M. A. University of Oregon, 1915	Falls City
Paul G. Bond, B. A. University of Oregon, 1908	Eugene
Leola Eubank, B. A. University of Oregon, 1914	Eugene
Willard LeRoy Hayes, B. A. McMinnville College, 1914	Rickreall
Claire Haynes, B. A. University of Utah, 1915	Salt Lake City
Dal M. King, B. A. University of Oregon, 1914	Myrtle Point
Mary E. Kent, B. A. University of Oregon, 1906	Eugene
Edward E. Lane, B. A., University of Oregon, 1914	Eugene
Lucile Shepherd, B. A. University of Oregon, 1915	Portland
Ruth Gladys Smith, B. A. University of Oregon, 1914	Wolf Creek
Eva Southworth, S. B. University of Chicago, 1911	Chicago
Edward Taylor, C. E. University of Minnesota, 1898	Alvadore
J. Andre Wells, B. A. University of Oregon, 1915	Eugene
Naomi Williamson, B. A. University of Oregon, 1911	La Grande
Joseph McArthur, B. A. University of Oregon, 1908	Eugene

COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

Name	*Home Address*
Lila Bell Acheson	Tacoma, Washington
Florin Sprague Adam	Ontario
Louise Adams	Silverton
Caroline Alexander	Portland
Virgil F. Alexander	Eugene
Louise H. Allen	Eugene
Marie Louise Allen	Eugene
Mignon Allen	Astoria
Ralph S. Allen	Eugene
Raymond Nelson Allen	Eugene
William Pope Allyn	Portland
Ellen May Anderson	Portland
Helen Charlotte Anderson	Portland
Dorothy Andrews	Eugene
Martha Andrews	Eugene
Lucien P. Arant	Monmouth
Robert Howard Atkinson	Cottage Grove
Elizabeth Dorothy Aumiller	North Yakima, Washington
Roy M. Avery	Coquille
J. Bothwell Avison	Oregon City
Nanna Clarice Axtell	Eugene
Avon Dale Babb	Eugene
Richard C. Babbitt	Corvallis
Marie Sophia Badura	Portland
Mrs. Alice Jenkins Bahr	Grande Ronde, Oregon
Louise Bailey	Eugene
Walter Lee Bailey	Springfield
Clayton M. Baldwin	Portland
Frances Elizabeth Baker	Hood River
Mary E. Baker	Eugene
Paul E. Baker	Brownsville
Cecil Ball	Eugene
Lillian May Bancroft	Eugene
Charlotte Jane Banfield	Portland
H. Wayne Barbour	Eugene
Sara Barker	Astoria
Lola Esther Barr	Springfield
Wendell S. Bartholomew	Eugene
William Kenneth Bartlett	Estacada
Agnes Basler	Portland
Rosalind B. Bates	Eugene
Merlin George Batley	Twin Falls, Idaho
Selma C. Baumann	Portland
Curtis L. Beach	Portland
Clarence de Arcy Bean	Pendleton
Robert D. Bean	Portland
Karl G. Becke	Aurora
John W. Beckett	Portland
June Beebe	Eugene
Martha Emma Beer	Arcata, California
Don Belding	Grants Pass
Jean Herriot Bell	Pioneer
Joseph Clark Bell	Rickreall
Dorothy Howard Bennett	Portland
Carson Lee Bigbee	Eugene
Lyle R. Bigbee	Eugene
Ernest W. Bills	McMinnville
Grace Ellen Bingham	Eugene
Archie E. Bird	Vancouver, Washington
John L. Bisher, Jr.	Halfway
John A. Black	Portland
Larue Blackaby	Ontario

Name	*Home Address*
Wm. Bernard Blackaby	Ontario
Leslie B. Blades	San Dimas, California
Ellen Blowers	Hood River
Claire Boardman	Eugene
Percy A. Boatman	Spokane, Washington
Bessie Belle Bodine	Eugene
Rubie Bogue	Eugene
Lillian Lucile Bohnson	Portland
Lewis A. Bond	Eugene
Fred Laman Bonney	Portland
Harrie W. Booth	Roseburg
Albert Lee Bostwick	Baker
Alexander P. Bowen	Portland
Ira B. Bowen	Baker
Ralph Waldo Bowers	Eugene
Albert J. Bowles	Portland
J. Howard Bowles	Eugene
Joseph David Boyd	Lodi, California
Ralph E. Boyd	Brownsville
Elmer G. Boyer	McCoy
Lillian Boylen	Pendleton
Edythe Flora Bracht	Eugene
Helen Lenora Bracht	Eugene
Burle D. Bramhall	Baker
B. B. Breeding	Portland
Elmer Brenton	Eugene
Helen Brenton	Eugene
Katherine Bridges	Oswego
Arlo B. Bristow	Pleasant Hill
Eva Lenore Brock	Hood River
Harold R. Brock	Pendleton
William Elmore Broder	Eugene
Earl C. Bronaugh, Jr.	Milwaukie
Edward Estee Brosius	Hood River
Elaine Brown	Eugene
Eyler Brown	Eugene
Helen May Brown	Portland
Merna F. Brown	Spokane, Washington
Mildred Aileen Brown	Spokane, Washington
Mildred G. Brown	Medford
Prentiss Brown	Lebanon
Roy F. Brown	Kellogg, Idaho
Royce Coney Brown	Canby
Austin Brownell	Gardiner
Clarence W. Brunkow	Portland
Howard Bull	Salem
Sam C. Bullock	Portland
Leonard M. Buoy	Eugene
John Clark Burgard	Portland
William N. Burgard	Portland
James Mathews Burgess	Lakeview
Raymond H. Burns	Coquille
Arthur G. Bushman	Eugene
Loren G. Butler	Eugene
Dale J. Butt	Newberg
Donald W. Byrd	Salem
Tracy Wallace Byers	Eugene
Harold H. Cake	Portland
A. Jeannette Calkins	Eugene
H. Errett Callison	Eugene
Rea Calvert	Grants Pass
Donald Neil Campbell	Portland
Esther Campbell	Jennings Lodge
Estelle Campbell	Spokane, Washington
Frank Hill Campbell	Dallas
Henry Gilfrey Campbell	Eugene
Myrtle E. Campbell	Portland
Tom Campbell, Jr.	Hermiston
Cleone Carroll	Eugene
Tyrrell H. Carner	Grants Pass
Amy Elizabeth Carson	Springfield
Elizabeth Huey Carson	Hood River
Constance Cartwright	Salem
Robert Charles Case	Tigard
Margaret Genevieve Casey	Portland
Ferd Halsell Cate	Eugene
Donald J. Cawley	Williamsport, Pennsylvania
James H. Cellars	Portland
Mary Elizabeth Cellars	Portland
Newton Center	Eugene
Esther Emily Chalmers	Cornelius
Barbara Chamberlain	Ada
Mary H. Chambers	Eugene
Victor Chambers	Cottage Grove
Genevieve D. Chapin	Portland
Anthony C. Chaves	Baker
Dorothy Ellen Childs	Independence
Gladys Elizabeth Childs	Independence
Ailcy Elizabeth Church	Portland
Walter E. Church	Eugene
Marie Churchill	Salem
Edward Gordon Clark	Portland
Gertha Clark	Medford
Louise Virginia Clausen	Coquille
Bert Clubb	Eugene
Marion Coffey	Portland
Charles Collier	Eugene
Dorothy Collier	Eugene
Harry Cole	Eugene
Bessie Colman	Portland
George T. Colton	Portland
Gladys Conklin	Grants Pass
Clinton Conley	Springfield
George F. Cook	Portland
Savanah Lucille Cook	Eugene
C. B. Corbitt	Enid, Oklahoma
Anson Black Cornell	Portland
Imogene Cornett	North Yakima, Washington
Rita Powell Cornett	North Yakima, Washington
Margaret Denton Cornwall	Gardiner, Oregon
Douglas S. Corpron	North Yakima, Washington
James K. Cossman	Creswell

Name	*Home Address*
Leo Herbert Cossman	Creswell
Ray M. Couch	Island City
Myrtle Josephine Cowan	Marshfield
Edwin P. Cox	Salem
Nellie Cox	Eugene
Terressa Cox	Ontario
Pearl Angelin Craine	Bandon
Charles Kem Crandall	Vale
Charles H. Croner	Eugene
Harry W. Cronise	Salem
Eulalie P. Crosby	The Dalles
Margaret Frances Crosby	Riddle
Helen M. Crump	Eugene
Helen Clare Currey	La Grande
Bess L. Cushman	Brownsville
Lela Cushman	Brownsville
Thomas D. Cutsforth	Riddle
Donald Sinclair Dalgleish	Kamloops, B. C., Canada
Ross Ian Dalgleish	Kamloops, B. C., Canada
Edith Margaretta Dahlberg	Grants Pass
Anna Dale	Eugene
John Steven Daly	Conrad, Montana
Elaine Daniel	McMinnville
Amy L. Davis	Kerman, California
Frank P. C. Davis	Davenport, Washington
George Wm. Davis	Portland
Anne H. Dawson	Albany
Cloyd O. Dawson	Tillamook
Frederick Carl Deckebach	Salem
Helene DeLano	Eugene
Harry George Dement	Myrtle Point
Frank S. Dempster	Eugene
Joseph A. Denn	Roseburg
F. Marie DePue	Springfield
Vera I. Derflinger	Eugene
Elizabeth Devaney	Eugene
Lucy Devaney	Boise, Idaho
Genevieve W. Dickey	Suver
Eileen Dill	Dolph
Walter R. Dimm	Eugene
Fremont Dixon	Eugene
Margaret Esther Dixon	Eugene
John M. Dolph	Portland
Edwin L. Dorr	Eugene
Mona Dougherty	Wallowa
Dorothy Honore Downard	Portland
Paul Downard	Portland
Helen Dresser	Eugene
Harry T. Drill	Yamhill
Agnes Driscoll	Bly
Joanna Driscoll	Bly
Glenn G. Dudley	Athena
Dorothy Dunbar	Astoria
Fred A. Dunbar	Klamath Falls
Chas. Harold Dundore	Portland
Dorothy G. Dunn	Eugene
Mary Dunn	Portland
Agnes Dunlap	Central Point
Gaven C. Dyott	Portland
Wallace C. Eakin	Astoria
Robert W. Earl	Cottage Grove
Stanley D. Eaton	Union
Grace H. Edgington	Hood River
Herman F. Edwards	Cottage Grove
Warren A. Edwards	Cottage Grove
Thomas Deo Edwards	Eugene
George Hobart Eichnor	Salt Lake City, Utah
John N. Elder	Heppner
John J. Elliott	Salem
Bertha Emmerich	Walterville
Earl Ensley	Drain
Adrienne Epping	Hood River
Agnes Clara Erdmann	Elmira
Fred C. Erickson	Astoria
Elva Elizabeth Estes	Eugene
Estley Roy Farley	Dallas
Kenneth C. Farley	Portland
Harry Farnsworth	Prineville
Frank P. Farrell	Medford
James B. Faubion	Eugene
L. Ray Faubion	Eugene
Helen Frances Fay	Eugene
Chester Anders Fee	Pendleton
Charlie Roberta Fenton	Portland
Esther Fenton	Meridian, Idaho
Fred Ronald Fenton	Meridian, Idaho
Clarence E. Ferguson	Eugene
Mina Ferguson	Portland
Gladys Fisher	Eugene
Bruce Flegal	Eugene
Dorothy Flegel	Portland
Benjamin G. Fleischmann	Eugene
Earl E. Fleischmann	Eugene
Gordon Fletcher	Eugene
Leonard Floan	Spokane, Washington
Franklin Folts, Jr.	Hood River
Bert Ford	Salem
Byron K. Foster	Eugene
Evelyn Miriam Foster	Eugene
Wilmot C. Foster	Astoria
Laura Celeste Foulkes	Portland
Jay Henry Fox	Portland
Russell A. Fox	Astoria
Edel Fraasch	Eugene
Marjorie Kathleen Fraley	Eugene
Rita E. Fraley	Eugene
Ruth C. Fraley	Portland
Dora Belle Francis	Eugene

Name	*Home Address*
Frances Isabel Frater	Riddle
Roger Evans Frohn	Eugene
Mildred Leona Frye	Portland
Constance Edee Fulton	Astoria
Leo A. Furney	Astoria
Louis Elza Furrow	Eugene
Ester Furuset	Springfield
T. Edgar Garbade	Portland
Harriet Coral Garrett	Eugene
Vernon Geo. Garrett	Medford
George Gates	Medford
Beatrice Gaylord	Tillamook
Roland W. Geary	Portland
Anne Geiser	Eugene
Everett B. George	Newberg
Howard H. George	Newberg
Will H. Gerretsen, Jr.	Portland
Ross Earl Giger	Portland
John DeWitt Gilbert	Astoria
Hermon M. Gilfilen	Bellingham, Washington
Genevieve Mildred Gillespie	Independence
Albert Jay Gillette, Jr.	Eugene
Mary Alice Gillette	Eugene
Grace G. Gilmore	Junction City
Frances Edith Golden	Marshfield
Ivan K. Goldsmith	Eugene
Frank Gordinier	Eugene
Jay Gore	Medford
Oscar J. Goreczky	Eugene
Adolph Gourdeau	Sandy
Gladys Chandler Graham	Astoria
Edna Gray	Portland
Lois E. Gray	Eugene
Walter H. Grebe	Eugene
Marion A. Grebel	Portland
Paul D. Green	Eugene
Harris Davis Grey	Medford
Emily Johns Griffin	Eugene
Clarabel Grim	Portland
Dorothy Hermine Groman	Odebolt, Iowa
Joy Gross	Portland
Marguerite Lucas Gross	Portland
George Fredrich Guldager	Harrisburg
M. Helen Guttery	Hood River
Percy F. Guy	Eugene
Evah F. Hadley	Newberg
Olin C. Hadley	Turner
Harry Hagen	Fernville
Chas. Albert Haines	Marshfield
Helen E. Hair	Grants Pass
Annie I. Hales	Sebastopol, Cal.
Elisabeth Margaret Hales	Eugene
Virginia Hales	Eugene
Ada R. Hall	Portland
Clytie Beryl Hall	Glendale
Howard Adgate Hall	Eugene
Merle Ida Hamilton	Roseburg
Nellis Hamlin	Roseburg
Claud Hampton	Pendleton
Harold Hamstreet	Sheridan
Carl Hansen	Portland
Hertha I. Hanssen	Eugene
Mary Evelyn Harbert	Springfield
Thomas Nicholas Hardy	John Day
Harry H. Hargreaves	Milwaukie
Lyle Alva Harpole	Amity
Fred E. Harriman	The Dalles
Maynard Herbert Harris	Portland
Hallie Ruth Hart	Portland
Albert C. Hartley	Silverton
Irwin Nordahl Hartley	Eugene
Jessie M. Hartley	Silverton
Kathryn E. Hartley	Hood River
Edward P. Harwood	Cordova, Alaska
William Ambrose Haseltine	Portland
Lillian E. Hausler	Portland
Raymond W. Hausler	Portland
Margaret M. Hawkins	Portland
Ella Hayden	Donna
E. W. Heckart	Springfield
Joseph C. Hedges	Oregon City
Ercel H. Hedrick	Drain
Cornelia Wilhelmine Heess	Portland
Heinrich Heidenreich	La Grande
Earl T. Heitschmidt	Portland
Fred H. Heitzhausen	Portland
Lola Maud Heskett	Wallowa
Lawrence Hershner	Hood River
Herbert Joseph Heywood	Portland
Claude B. Hill	Klamath Falls
Esther Mary Hill	Cottage Grove
Mary Alice Hill	La Grande
Dell F. Hinson	Springfield
Mary Oliver Hislop	Superior, Wisconsin
Cecelia Rose Hoffmann	Eugene
Ernest D. Hoisington	Eugene
Norman Bruce Holbrook	Portland
Roger Holcomb	Portland
Albert William Holman	Oswego
Ruth D. Holmes	Tillamook
Opal Holverson	Springfield
Cora Hosford	Portland
Chas. C. Hoskins	Echo
Rieta C. Hough	Eugene
Elmer J. Howard	Grants Pass
Louis Dorsey Howard	Portland
Edith Isola Howe	Glenwood Springs
Henry Van W. Howe	Eugene
Ho-Sheng Huang	North Amoy, South China
Dorris E. Hubbell	Eugene
George Chester Huggins	Salem
Jennie Huggins	Portland
Lucile Huggins	Portland

Name	*Home Address*
Harold F. Humbert	Eugene
Madge Pearl Humbert	Eugene
Inez Humphrey	Eugene
Frank D. Hunt, Jr	Portland
Jennie Hunter	Roseburg
Nita Helen Hunter	Island City
Chas. A. Huntington	The Dalles
Annie Young Huntress	Eugene
Lucile Hester Hurd	Florence
Lionel Roscoe Hurd	Florence
Ralph E. Hurn	Klamath Falls
Evangeline A. Husband	Eugene
John W. Huston	Heppner
Maurice H. Hyde	Portland
Horace H. Hyland	Oakridge
Berenice Ruth Ingalls	Eugene
Esther Jacobson	North Powder
Nicholas Jaureguy	Tacoma, Washington
Roger Jayne	Muscatine, Iowa
Harold S. Jenkins	Eugene
Wilford G. Jenkins	Eugene
William E. Jenkins	Eugene
Peter L. Jensen	Junction City
Leura Jerard	Pendleton
Charles Adams Johns, Jr.	Portland
Helen Johns	Pendleton
Mary A. Johns	Pendleton
Helen Aline Johnson	Portland
Ida Johnson	Eugene
John P. Johnson	Caldwell, Idaho
Kittie E. Johnson	Portland
Kathryn Johnston	Dufur
Raymond F. Jones	McMinnville
Delia T. Kenney	Eugene
Erma Keithley	San Francisco, California
Vivien Kellems	Eugene
Myrtle Kem	Cottage Grove
Evangeline Kendall	Jamison
Walter S. Kennon	Baker
Ruth Leah Kerber	Elgin, Illinois
Fred E. Kiddle	Island City
Charles Keith Kiggins	Portland
Roberta L. Killam	Boise, Idaho
Flawnnice Killingsworth	Portland
Samuel H. Kimball	Portland
Bertha Kincaid	Ashland
Georgia Kinsey	Eugene
Walter J. Kirk	Salem
Jeanette Kletzing	Eugene
Hazel Knight	Dallas
Wily W. Knighten	Grass Valley
Donald G. Knox	Eugene
Ray Otis Koepp	Irving
A. F. Walter Kresse	Hood River
Harry L. Kuck	The Dalles

Name	*Home Address*
Francis Lamberty	Springfield
Robert William Langley	Portland
Thurston William Laraway	Hood River
Leonard F. Larwood	Eugene
Ruth C. Lawrence	Medford
David H. Leche	Portland
A. Louise Leiter	Portland
Edmond Leonard	Portland
Johnson Dorman Leonard	Burns
Grace Lilly	Portland
Grace Listmann	North Yakima, Washington
Lillian M. Littler	Eugene
Sylva Lloyd	Baker
Beatrice M. Locke	Portland
Harold G. Lockerbie	Dryad, Washington
J. Edward Lomax	Boise, Idaho
Clarence Edward Lombard	Eugene
Maud Lombard	Eugene
Nellie Mae Lombard	Eugene
Bernice Lucas	Portland
Harry Lynch	Eugene
Mae B. Lynch	Salem
Grace Maberly	Boise, Idaho
Marjorie E. Machem	Springfield
Robert Ross MacKenna	Portland
Grace Seaforth Mackenzie	Portland
Wilfred McKinnon Maclean	Kamloops, B. C., Canada
J. Harvey Madden	Eugene
Creston R. Maddock	Heppner
Essie Lois Maguire	Portland
Harold Maison	Portland
Huntington Malarkey	Portland
Leo J. Malarkey	Portland
Robert A. Malarkey	Warrenton
Frances Mann	Springfield
Louise Manning	Portland
Cedric E. Marshall	Grants Pass
Curtis Melvin Marshall	Eugene
Leta Rae Mast	Coquille
Reuben H. Mast, Jr.	Coquille
Clyde W. Mason	Hillsboro
Walter James Matson	Astoria
Ada Matthews	Cottage Grove
Mary Opal Mattley	Oregon City
Charles MacLeod Maurice	Portland
Cecile McAlister	Eugene
James Henry McCallum	Eugene
Nellie McClure	Eugene
Graham McConnell	Boise, Idaho
Robert Bruce McConnell	Merced, California
Helen McCornack	Spokane, Washington
Lynn Sylvester McCready	Lewiston, Idaho

Name	*Home Address*
Vena Lucinda McCully	Eugene
Howard T. McCulloch	Portland
Delilah McDaniel	Rickreall
Charles S. McDonald	Portland
Helen McDonald	La Grande
Hobart M. McFadden	Junction City
Erma McFall	Eugene
Myra McFarland	Eugene
Elizabeth McGowan	Warrendale
John E. McGuire	Eugene
Ward McKinney	Olympia, Washington
M. Jennette McLaren	Hillsdale
Joseph S. McLean	Oakesdale, Washington
Iva McMillin	Wasco
Oscar James McMillin	Wasco
John W. McMurray	Portland
William Robt. McMurray	Portland
Robert B. McNary	Portland
Dorris William Medley	Cottage Grove
Clistie Meek	Coburg
Delphie Helen Meek	Coburg
Dale Douglas Melrose	Newberg
Marion Vernon Melson	Redmond
Frederick E. Melzer	Baker
E. Lucille Messner	Medford
Harry Mesner	Klamath Falls
Agnes Miller	Seattle, Wash.
J. Chester Miller	Portland
Gertrude C. Miller	Moscow, Idaho
Harry W. Miller	Myrtle Point
Kerby S. Miller	Medford
Laura Josephine Miller	Eugene
Marjorie Miller	Eugene
Neta May Miller	Moscow, Idaho
Ralph Franklin Milne	Eugene
Elizabeth L. Minturn	Eugene
Clifford L. Mitchell	San Francisco, California
Zetta Mitchell	Eugene
Joe R. Mizner	Mill City
John Richard Montague	Portland
Orville Monteith	Portland
Dorothy Montgomery	Astoria
Ruth Helen Montgomery	Eugene
W. J. Montgomery	Portland
Kenneth A. Moores	Salem
George P. Morehouse	Eugene
Neil L. Morfitt	Malheur
Fred Geo. Morgus	St. Helens
Homer H. Mornhinweg	Halsey
Earl Richard Morrison	Eugene
Wm. H. Morrison	Eugene
Edith F. Moxley	Eugene
Fred B. Moxley	Eugene
Walter Muirhead	Portland
Jeanie Dunn Murdoch	Portland
Mary Camile Murdoch	Portland
Earl Wm. Murphy	Portland
Chas. A. Murray	Eugene
Ethel Murray	Portland
Walter L. Myers	The Dalles
J. Ernest Nail	Klamath Falls
Charlotte Ada Nash	Eugene
Marian Neil	Portland
May Neill	La Grande
Turner Neil	Portland
Carl E. Nelson	Hollister, Idaho
Chas. Richard Nelson	LaFayette
Martin V. Nelson	Astoria
Millard T. Nelsen	Vale
Richard Nelson	Eugene
Donald R. Newbury	Medford
Maude Rose Newbury	Klamath Falls
Chas. C. Newcastle, Jr.	Portland
Ethel E. Newland	Eugene
Harold John Newton	LaGrande
Alva N. Nipper	Grants Pass
Herbert Normandin	Portland
Ruth Theresa Nye	Medford
Carl Sigurd Nygren	Bristol, Colorado
Edith Ochs	Harrington, Wash.
Anastasia O'Farrell	Eugene
Mary E. O'Farrell	Eugene
C. LeRoy Ogle	Woodburn
Vera Olmstead	Medford
Vernie R. Olson	Eugene
Donald G. Onthank	Hood River
Frederic Wm. Packwood	Portland
Miriam McCoy Page	Eugene
Vivien B. Pallett	Portland
Florence I. Parelius	Portland
Mellie Lucia Parker	Portland
Mildred Parks	Roseburg
Lynn A. Parr	Woodburn
Bernadetta Paton	Sutherlin
Edna E. Patchen	Drain
A. Bertram Peacock	Portland
Florence Pearce	Lewiston, Idaho
Pauline Pearce	Eugene
Ramsay Pearce	Lewiston, Idaho
Ruth Pearce	Eugene
Alex Pearson	Eugene
Ruth Anna Pearson	Portland
Forrest Peil	Klamath Falls
Arthur H. Pengra	Eugene
Stella P. Pengra	Eugene
Bernice Perkins	Baker
Leah C. Perkins	Cottage Grove
Vera Evelyn Perkins	Springfield
Veola Peterson	Sutherlin
Virginia Petersen	Astoria
Erna Eleonore Petzold	Oregon City
John Otto Pfahl	Oregon City
James B. Pfouts	Monroe

Name	*Home Address*
Alene Phillips	Oregon City
Yvesta Norman Phillips	The Dalles
Dolph Phipps	Medford
Lyman Arthur Pickett	Portland
Stephen Clark Pierce, Jr.	Eugene
Julia Carpenter Platt	Portland
Harriette Mary Polhemus	Portland
Lillian Maude Porter	Portland
Leo O. Potter	Eugene
B. S. Powell	Springfield
Florence M. Powers	Marshfield
Lucy Mary Powers	Marshfield
Harold Gordon Prestel	Eugene
Mason F. Price	Eugene
Charles W. Prim	Jacksonville
Henry Guy Proctor	La Grande
Albert A. Profitt	Oceanside, California
Jessie Purdy	Medford
Francis Lewis Purnell	Wanganui, New Zealand
Helen H. Purington	Burns
Mary O. Putnam	Springfield
Russell A. Quisenberry	Harrisburg
Hazel Radabaugh	Pleasant Hill
Claire Raley	Pendleton
Rolla E. Ralston	Albany
Russell Clyde Ralston	La Grande
Ruth A. Ralston	Portland
Hazel Rankin	Eugene
Mabel Rankin	Eugene
Orval Rasor	Riddle
Emmett Rathbun	Portland
Paul Smith Reaney	Eugene
William George Rebec	Medford
Grace Reed	Merlin
Helen Marguerite Reed	Eugene
Marian Reed	Merlin
Max Reigard	Marshfield
Leta E. Rhodes	Portland
Jacob S. Risley	Milwaukie
Olive Ann Risley	Milwaukie
Vernice G. Robbins	Hood River
Donald Clarke Roberts	Astoria
Gladys Isabell Roberts	Springfield
Loren C. Roberts	The Dalles
Dorothy E. Robertson	Portland
Donald M. Robinson	Portland
Helen Fowler Robinson	Eugene
Kenneth Robinson	Portland
Ruth Roche	Eugene
Cecil John Ross	St. Helens
Spencer I. Ross	Astoria
Ruth Rothrock	Athena
Sylvia J. Rowland	Hillsdale
Irene G. Rugh	Eugene
Tom W. Rugh	Eugene
Ellwyn Rutherford	Eugene

Name	*Home Address*
Grayce Beryl Sage	Ontario
Lucile Saunders	Portland
Harold Bradley Say	Sherwood
Benjamin F. Scaiefe	Eugene
Richard G. Scearce	Eugene
Robert J. Scearce	Eugene
Frances W. Schenk	Eugene
Ben H. Schmidt	North Yakima, Washington
Roberta Margret Schuebel	Oregon City
Paul L. Scott	Springfiled
Randall B. Scott	Springfield
Cord Sengstake, Jr.	Portland
Wm. Ralph Service	Silverton
Victor Christian Sether	Glendale
Harold Sexton	Eugene
Grant W. Shaffner	Eugene
Genevieve Shaver	Portland
James S. Sheehy	Portland
John Wyville Sheehy	Portland
Eberle Sheldon	Eugene
Alfred C. Shelton	Santa Rosa, California
Florence R. Sherman	Eugene
Kenneth E. Shetterly	Willamina
Glenn Shockley	Baker
Frances E. Shoemaker	Eugene
Cleveland S. Simkins	Salem
Henry W. Sims	Eugene
Joe L. Skelton	Klamath Falls
Wm. Ralph Skidmore	Curtin
Earl M. Smith	Eugene
Graham Braden Smith	Portland
Myrtle E. Smith	Portland
Paul A. Smith	Portland
Seth L. Smith	Portland
Coralie A. Snell	Junction City
Wiliam Snyder	McMinnville
Olga Z. Soderstrom	Divide
Max H. Sommer	Portland
Floyd South	Tehama, California
Margaret N. Spangler	Eugene
Paul E. Spangler	Eugene
Annabel M. Sparkman	Eugene
Neil Sparkman	Eugene
Sterling Spellman	Eugene
Bernice L. Spencer	Eugene
Robinson Spencer	Eugene
Marian Springer	Eugene
Verna B. Springer	Philomath
Esther B. Stafford	Eugene
Katherine May Stanfield	Portland
Nicholas R. Stansell	Eugene
Glenn Stanton	Portland
Lucille Stanton	Eugene
Winifred Starbuck	Eugene
Wayne Stater	McMinnville
Raymond R. Staub	Portland
Marjorie Ruth Stearns	Portland
Mildred Janet Steinmetz	Portland
Ruby Steiwer	Jefferson
Floyd C. Stephens	Santa Cruz, California

Name	*Home Address*
Roy Thomas Stephens	Portland
Kenneth C. Stevens	Albany
Mary F. Stevenson	Medford
Sara Frances Stiles	Portland
Milton Arthur Stoddard	La Grande
Kuykendall Striker	Eugene
Mabel May Stroud	Eugene
Agnes Sullivan	Portland
Carmen Swanson	Salem
Estelle Tallmadge	Portland
Arthur Folsom Tallman	Pendleton
Caroline Taylor	Eugene
George Webster Taylor	Westfall
Lourene E. Taylor	Eugene
Richard Lloyd Tegart	Gresham
Clinton H. Thienes	Eugene
Edward J. Thomas	Grants Pass
Mildred Thomas	Coeur d'Alene, Idaho
Burt G. Thompson	The Dalles
Clarke W. Thompson, Jr.	Cascade Locks
Catherine Thorne	Eugene
Henry L. Thorsett	Eugene
Beatrice Mary Thurston	Eugene
Mabel June Tilley	Portland
Martha Windiate Tinker	Eugene
Miriam Tinker	Eugene
Mary H. Tischer	Salem
Chas. Henry Tisdale	Sutherlin
Myrtle Grace Tobey	Engene
Joe Tominaga	Seattle
Lamar Tooze	Salem
Leslie Tooze	Salem
Fred Tostevin	Eugene
Ralph N. Tourtellotte	Portland
Aileen I. Townsend	Portland
Mary Townsend	Portland
Jewel Maryan Tozier	Eugene
Harold Richard Tregilgas	Portland
Edith Trezise	Boulder, Colorado
Ruth Trowbridge	Portland
Mary Truax	Gold Hill
Emil G. Tschanz	Eugene
Godfred F. Tschanz	Eugene
George Pearce Tucker	Roseburg
William P. Tuerck	Portland
Bryan Turner	Salem
Marion Tuttle	Eugene
Katherine Mackenzie Twomey	Oak Grove
Lawrence Underwood	Grants Pass
Alva James Vance, Jr.	Medford
Mabel Van Zante	Portland
Vera G. Van Schoonhoven	Portland
Roberta Veal	Albany
Emil Vodjansky	Eugene
Carroll Marshall Wagner	Ashland
Ethel Marie Waite	Sutherlin
Eyla L. Walker	Corvallis
Claire F. Warner	Eugene
Ivan E. Warner	Eugene
Isa Hazel Wasson	Condon
Elbridge G. Watkins	Eugene
Hugh Ernest Watkins	Bandon
Katherine Watson	Eugene
Lucile C. Watson	Spokane, Washington
Harold A. Wayde	Waitsburg, Washington
Aldis L. Webb	Los Angeles, California
Algie L. Weinheimer	Hood River
Mandell Weiss	Portland
Margaret Jane Welch	Portland
George C. Weldin	Portland
Goldie Ruth Wells	Halsey
Harold J. Wells	Eugene
Helen Gertrude Wells	Eugene
Wayne W. Wells	Engene
Floyd C. Westerfield	Grass Valley
Ruth Amy Westfall	Eugene
Helen Marie Wetzel	Eugene
Owen D. Whallon	Nampa, Idaho
George H. Wheatley	Butte, Montana
Jeannette Wheatley	La Grande
Dorothy Wheeler	Eugene
Glanville C. Wheeler	Eugene
Gretchen Avis Wheeler	Eugene
Marguerite Whitton	Eugene
Helen L. Wiegand	Portland
Alvin F. W. Wievesiek	Oregon City
John Wilhelm	Portland
A. Warren Wilkins	Eugene
Ernest Maxwell Wilkins	Bandon
Gladys Wilkins	Eugene
Juanita B. Wilkins	Engene
Dorothy Wilkinson	Eugene
Gordon Wilkinson	Eugene
Richard A. Wilcox	Redmond
Basil T. Williams	Eugene
Claribel Williams	Portland
Leone Williams	Dallas
Marjory M. Williams	Eugene
Melba Irena Williams	Eugene
Ruth Williams	Glendale
Ruth Williams	Eugene
Vera Williams	Eugene
Alva Wilson	Glendale
Frank H. Wilson	Eugene
David Hilbert Wilsen	Roseburg
Dwight Wilson	The Dalles
Harry B. Wilson	Portland

Name	*Home Address*
Helen C. Wilson	Eugene
Kent R. Wilson	Oregon City
Louise Frances Wilson	Portland
Ruth Ann Wilson	Talent
Ellis Vern Williamson	LaGrande
Sophus K. Winther	Irving
Helen Withycombe	Yamhill
Jess Witty	Elgin
Henry Borden Wood	Woodland, California
Iva Belle Wood	Eugene
Ralph H. Wood	Coburg
Laird V. Woods	Dallas
Mildred A. Woodruff	Portland
M. Marshall Woodworth	Albany
Emma Beatrice Wootton	Astoria
R. B. Wright	Lewiston, Idaho
Hermes H. Wrightson	Portland
Hazel Wymore	Oakland, California
George Francis Yoran	Eugene
Espar G. Young	Eugene
Echo June Zahl	Portland
Erma Zimmerman	Eugene
Jessie Darl Zimmerman	Eugene

MEDICAL SCHOOL

SENIORS

Walter W. Black	Portland
Horance P. Belknap, Jr.	Prineville
Frank E. Butler	Salem
Charles W. Carter	Portland
Harry S. Harding	Portland
Tokuji Hirata	Portland
Floyd B. Lawton	Portland
Claude A. Lewis	Springbrook
Charles R. McColl	Gresham
William C. Munly	Portland
Ray E. Pomeroy	Salem
Charles G. Rattner	Portland
Robert A. Sherwood	Portland
Wilbur H. Thompson	Gresham
Joseph A. Trommald	Portland
Henry Ulvin	Silverton
Ray M. Waltz	Monroe

JUNIORS

James Francis Bell, Jr.	Portland
Ernest A. Daus	Weiser, Idaho
Isaac Dellar	Portland
Lucille Hart	Albany
Roy W. Hendershott	Tiffin, Ohio
Ernest D. Lamb	Eugene
Murray M. Levy	Portland
Ralph L. Lieser	Vancouver, Washington
James L. Loundagin	Portland
Russell Flint Maddren	Brooklyn, New York
Delbert H. Nickson	Seattle, Washington
Herbert Van H. Thatcher	Portland

SOPHOMORES

Anson G. Allen	Astoria
Frank J. Clancy	Seattle, Wash.
Nicholas S. Checkos	Portland
John J. Darby	Pomeroy, Wash.
John B. Farrior	Portland
George E. Fortmiller	Albany
Ira E. Gaston	Astoria
James C. Ghormley	Portland
Edward J. Jasper	Forest Grove
Jesse Dale Jewell	Portland
Russell Keizer	Portland
Richard P. Landis	Portland
George W. Montgomery	Falls City
Marion N. Power	Sande Fuca, Washington
Kathryn Rueter	Forest Grove
Clarence W. Shannon	Seattle, Washington
Robert B. Smalley	Seattle, Washington
Delbert C. Stanard	Portland
Dennis S. Swart	Woodland, Washington
Eugene P. Steinmetz	Portland
Herbert L. Strong	Kelso, Washington
O Rudolph Thielemann	Portland
Douglas H. Warner	Portland
Randall F. White	Portland
Ralph G. Young	Portland

FRESHMEN

Name	*Home Address*
Robert V. Baker	Portland
John W. Barcroft Jr	Portland
Leland V. Belknap	Prineville
Linus H. Bittner	Portland
Jesse L. Bloch	Portland
Vernon J. Brown	Independence
Clyde W. Collins	Vancouver, Washington
Dean P. Crowell	Albany
Winfred P. Dana	Tacoma, Washington
Charles D. Donahue	St. Johns
John Harold Fitzgibbon	Portland
Herbert H. Foskett	McMinnville
Lloyd B. Hainline	Portland
Blair Holcomb	Portland
Irene M. Hunt	Roseburg
Norman Elmer Irvine	Arlington
Alfred H. Johnston	Portland
Trenton Johnston	Portland
Victor H. Leweaux	Portland
Ernest K. McCown	Vancouver, Washington
Archibald N. MacDonald	Ritzville, Washington
William D. Nickelsen	Hood River
James T. Papas	Portland
John H. Rossman	Portland
Edmund W. Simmons	Portland
Charles S. Warwick	Spokane, Washington
Ivan M. Woolley	Portland

SPECIAL STUDENTS

James F. R. Fairbairn	Portland
Zillah Huddleson	Portland

SUMMER SCHOOL

Luton Ackerson	Coburg
John S. Allen	Milledgeville, Georgia
Retta M. Allen	North Powder
E. E. Amsden	Mosier
N. A. Baker	Marcola
Paul E. Baker	Brownsville
Raymond E. Baker	Coquille
H. M. Barr	Portland
Rosalind B. Bates	Eugene
W. Gilbert Beattie	Juneau, Alaska
W. M. Beals	Eugene
Francis A. Beebe	Eugene
June Beebe	Eugene
Lester N. Bennett	Philomath
Annie Bergman	Astoria
Verena Black	Eugene
Leslie B. Blades	San Dimas, California
H. B. Blough	Portland
Eugenie Bouchet	Condon
Delphene Bown	Elmira
Chas. H. Boyd	St. Johns
James Brehaut	Houlton
Walter Brenton	Eugene
Katharine Bridges	Oswego
Eva Lenore Brock	Hood River
Earl C. Bronaugh, Jr.	Milwaukie
Merna F. Brown	Spokane, Washington
Mildred A. Brown	Spokane, Washington
Mildred G. Brown	Medford
Prentiss Brown	Lebanon
John Clark Burgard	Portland
William N. Burgard	Portland
Mabel F. Burgduff	Portland
A. H. Burton	Portland
Esther Campbell	Jennings Lodge
Hallie Carter	Eugene
Victor Chambers	Cottage Grove
Fanny Chase	Albany
Ruth T. Chase	Albany
Mrs. P. E. Christensen	Woodburn
P. E. Christensen	Woodburn
Mrs. Bess Young Clark	Eugene
L. D. Cook	Gervais
Lacy B. Copenhaver	Springfield
V. Myrtle Copenhaver	Springfield
P. M. Corum	Eugene
Jesse H. Crenshaw	Eugene
Peter C. Crockatt	Eugene
Mrs. Alta Crowley	Rickreall
Fred S. Crowley	Rickreall
Edward Day	Eugene
Ella M. Deyoe	Eugene
R. Ella Dickerson	Eugene
C. D. Donahue	Portland
Gaven C. Dyott	Portland
Ella Ehmsen	Portland
Eric Englund	Portland
Clara Erdmann	Elmira
Clarence E. Ferguson	Eugene
Bruce Flegal	Eugene

Name	*Home Address*
Mrs. E. L. Fletcher	Eugene
Charles A. Fowler, Jr.	Portland
Mabel Gardner	Point Terrace
George A. Gabriel	Dayton
Lida O. Garrett	Eugene
Geary E. Garrett	Medford
Vernon C. Genn	Eugene
J. F. Gibson	Fossil
Roy W. Glass	Woodburn
Myrtle E. Gram	Portland
Winchester W. Green	Freewater
Grace Ann Grinstead	Roseburg
Elizabeth Hales	Eugene
Madge Hamble	Eugene
Zelda Hamilton	Portland
F. B. Hamlin	Roseburg
D. W. Hammock	Condon
Vida Hammond	Portland
Mae Harbert	Springfield
Grace Hartley	Eugene
Willard L. Hayes	Rickreall
E. H. Hedrick	Drain
Donna Henry	Salem
Louis B. Hoisington	Eugene
Vesta Holt	Eugene
William Penn Holt	Holland, Tex.
H. C. Hoppes	Eugene
Victor E. Hoven	Eugene
J. Hunter Howard	Baker
Lucile Huggins	Portland
Harold F. Humbert	Eugene
Mrs. H. L. Hussong	Astoria
H. L. Hussong	Astoria
J. G. Imel	Astoria
Merwin R. Irish	Eugene
Howard M. James	Silverton
Anthony Jaureguy	Tacoma, Washington
J. Lewis Johnson	Eugene
Mrs. May B. Johnson	Madras
S. Darlow Johnson	Drain
Ruth E. Johnston	Hancock, Michigan
F. B. Kellan	Portland
E. L. Keezel	Monmouth
Benjamin C. King	Cottage Grove
Effie M. King	Myrtle Point
Tula French Kinsley	Condon
R. L. Kirk	Springfield
George L. Koehn	Portland
Erma Laird	Pleasant Hill
Margaret Leffler	Gaston
Grace Lloyd	Greencastle, Indiana
Grace Lilly	Portland
Estella Lockard	Eugene
Herbert W. Lombard	Eugene
Paul Loucks	Brownsville
Mae B. Lynch	Salem

Name	*Home Address*
Grace E. Male	Springfield
Alexander Martin	Eugene
W. H. Mather	Eugene
Jesse McCord	Clatskanie
Margaret E. McCoskey	McMinnville
L. C. McDaniel	Eugene
E. L. McGlasson	Luray, Kansas
W. Robert McMurray	Portland
G. W. Milam	Gold Hill
E. A. Miller	Salem
Marjorie Miller	Eugene
Irene Millhollen	Pendleton
Ralph F. Milne	Eugene
R. E. Morris	Roseburg
Earl R. Morrison	Eugene
James C. Nelson	Salem
C. L. Ogle	Woodburn
H. R. Okamoto	Portland
Karl W. Onthank	Tillamook
Don T. Orput	Eugene
Elmer John Ortman	Sutherlin
Hulda Parr	Laurel
Neva Perkins	Cottage Grove
H. F. Pfingsten	Oregon City
C. Edwin Platts	Eugene
Berenice Potts	Portland
Edith C. Prater	Eugene
Harold W. Quigley	Portland
Dorothy Grace Reeves	Portland
Lilian Riddle	Mattoon, Illinois
Edythe A. Rogers	Portland
Fred Schepman	Halsey
Albert Schreder	Eugene
Victor Sether	Glendale
E. Ellice Shearer	Portland
Eberle Sheldon	Portland
B. H. Smith	Eugene
Olive M. Smith	Springfield
Melvin T. Solve	Bandon
T. E. Speirs	Portland
Peter L. Spencer	Ashland
Emily Spulak	Canby
Roy T. Stephens	Portland
A. E. Street	Camas Valley
Mabel May Stroud	Eugene
I. C. Sutton, Jr.	Portland
Ruth Swinney	Roseburg
Aileen Townsend	Portland
William Vawter, Jr	Medford
Ella B. Wallen	Heppner
Emma C. Warren	Astoria
C. D. Watkins	Eugene
Muriel Watkins	Eugene
Mrs. A. E. Watson	Portland

Name	*Home Address*
James L. Watson	Vancouver, Washington
Katherine Watson	Eugene
Mrs. Lucy T. Wedding	Heppner
John Wilhelm	Portland
Vera Williams	Eugene
R. V. Williamson	Wells
Oro Willson	Eugene
Helen C. Wilson	Eugene
Josepha C. Wilson	Meadville, Pennsylvania
Ralph Winger	McCune, Kansas
G. Francis Yoran	Eugene
Blaine T. Youel	Hermiston
Espar Young	Eugene

SCHOOL OF MUSIC

Feriss Abbett	Eugene
Arvid Albrecht	Eugene
Lillian Auld	Eugene
Mrs. Fred C. Ayer	Eugene
Charlotte Banfield	Portland
Ruth Bartle	Eugene
Elizabeth Bean	Eugene
Marcel Bean	Eugene
Rupert Bean	Eugene
Mariatte Beatie	Eugene
Dorothy Bennett	Portland
Mabel Bertsch	Springfield
Mrs. F. E. Blair	Eugene
Lewis Bond	Eugene
Lillian Boylen	Pendleton
Evelyn Bristow	Eugene
Eva Brock	Hood River
R. E. Brosius	Hood River
Roy Bryson	Eugene
Gladys Bucknum	Eugene
Raymond Burns	Coquille
Norman Byrne	Eugene
Ida Carson	Springfield
Barbara Chamberlain	Ada
Irene Cherry	Eugene
Louise Cherry	Eugene
Gladys Childs	Independence
Edward Cluer	Eugene
Wilbur Cluer	Eugene
Evelyn Coleman	Eugene
Mrs. R. B. Coglon	Eugene
Pearl A. Craine	Bandon
Margaret F. Crosby	Riddle
Russell Crump	Eugene
Helen Currey	La Grande
Claire Curtis	Eugene
Amy Dale	Eugene
George Darrow	Eugene
Vernon Darrow	Eugene
Dorothy Dixon	Eugene
Richard Dixon,	Eugene
Mrs. Thos. Dixon	Eugene
John M. Dolph	Portland
Mona Dougherty	Wallowa
Helen Dresser	Eugene
Fred Dunn	Eugene
Rita Durkheimer	Eugene
Warren A. Edwards	Cottage Grove
Kenneth C. Farley	Portland
Esther Fenton	Meridian, Idaho
Fred Ronald Fenton	Meridian, Idaho
Kola Fellman	Eugene
Dora Fisher	Eugene
Gladys Fisher	Eugene
Earl Fonda	Eugene
Mrs. Mabel Fonda	Eugene
Roy Ford	Eugene
Charles Forneri	Eugene
Edel Fraasch	Eugene
Kathleen Fraley	Eugene
Katherine Franzwa	Eugene
Brownell Frazier	Eugene
Janet Frazier	Eugene
Frances Frater	Riddle
Constance Fulton	Astoria
Dean Gano	Eugene
Jim Gano	Eugene
Nella Garrison	Eugene
Helen Gilbert	Eugene
Albert Gillette	Eugene
Mary Alice Gillette	Eugene
Marion Gilstrap	Eugene
Frances Golden	Marshfield
Inez Graves	Crosby, North Dakota
Myrtle Green	Eugene
Helen Guttery	Hood River
Wayne Hadley	Eugene
Virginia Hales	Eugene
Harold Hamstreet	Sheridan
H. J. Hanekamp	Eugene
Clifton Harlow	Eugene
Hermione Hawkins	Eugene
Emo Hendershott	Eugene
Dora Hoisington	Eugene
Mrs. Minnie Holcomb	Eugene
Orlando Hollis	Eugene
Aileen Holmes	Eugene
Cora Hosford	Portland
Arnold Hubbard	Eugene
Douglas Hubbard	Eugene
Stanley Hubbard	Eugene
Loyd Hunt	Eugene
Hester Hurd	Florence
Roscoe Hurd	Florence
Berenice Ingalls	Eugene
Donald Johnson	Eugene
Ida Johnson	Eugene

Name	*Home Address*
Maurice Johnson	Eugene
Clara Kaeding	Eugene
Hubert Keeney	Eugene
Myrtle Kem	Cottage Grove
Walter S. Kennon	Baker
Mrs. Eugenia Kitchen	Eugene
Mrs. A. T. Knapp	Eugene
Grace Knapp	Eugene
Alfons Korn	Eugene
Adelaid Lake	Eugene
Vida Lamb	Eugene
Edna Lawrence	Bellingham, Washington
Clara I. Lee	Eugene
Eugene Lee	Eugene
Mrs. W. E. Lidyard	Eugene
Marion Lim	Eugene
Gertrude Livermore	Eugene
Grace Maberly	Boise, Idaho
Wallace Marks	Eugene
Leta Mast	Coquille
Eugene Matkin	Eugene
Ada Matthews	Cottage Grove
Fay McAlister	Irving
Mamie McCluskey	Eugene
Leota McCracken	Springfield
Lynn McCready	Lewiston, Idaho
Mary McCulloch	Eugene
Dove McGee	Eugene
——— McKinney	Eugene
Oscar J. McMillin	Eugene
Ada McMurphy	Eugene
Lila McMurphy	Eugene
Mrs. A. Middleton	Springfield
Edward Miller	Eugene
Laura Miller	Eugene
Pherne Miller	Creswell
W. H. Mills	Eugene
John R. Montague	Portland
Dorothy Montgomery	Astoria
Clinton Moore	Eugene
Maud Moore	Junction City
Fred Morgus	Eugene
Beatrice Morris	Eugene
Eunice Morris	Eugene
Winnie Morris	Eugene
Ina Gerry Mountjoy	Eugene
Lillian Murray	Eugene
Marion Neil	Portland
Carl Nelson	Hollister, Idaho
Millard Nelson	Vale
N. T. Nelsen	Eugene
Maude Newbury	Klamath Falls
Theodore Nickels	Eugene
Anastasia O'Farrell	Eugene
Vivien Pallett	Portland
Florence Parelius	Portland
Dorothy Parsons	Eugene
Leah Perkins	Cottage Grove
Curtis Peterson	Eugene

Name	*Home Address*
Della Peterson	Eugene
Virginia Peterson	Astoria
J. O. Pfahl	Oregon City
Mrs. Ursula Pim	Eugene
Henry Pironi	Eugene
Gertrude Porter	Halsey
Adolf Potampa	Eugene
Mrs. Rose Powell	Eugene
Ethelyn Powers	Springfield
Lucy Powers	Marshfield
Hazel Radabaugh	Pleasant Hill
Lee Rapp	Eugene
Grace Reed	Merlin
Olive Risley	Milwaukie
Leta Rhodes	Eugene
Lila Rhodes	Eugene
Cecil Ross	Eugene
Gladys Rugh	Eugene
Irene Rugh	Eugene
Robert J. Scearce	Mosier
Anne C. Schaefers	Eugene
Mrs. George Schaefers	Eugene
F. A. Scofield	Eugene
Kenneth Short	Eugene
Orma Slattery	Eugene
Beatrice Smith	Eugene
Helen Smith	Eugene
Graham Smith	Eugene
Frieda Stacey	Eugene
Esther Stafford	Eugene
Eilene Stark	Eugene
Geneva Stebno	Eugene
Mildred Steinmetz	Portland
Irene Stewart	Eugene
Mrs. A. R. Tartar	Eugene
Mildred Thomas	Coeur d'Alene, Idaho
Martha Tinker	Eugene
Miriam Tinker	Eugene
Myrtle Tobey	Eugene
Vera Tobey	Eugene
Fredericka Travis	Eugene
Weltha Trafzer	Eugene
Edith Trezise	Boulder, Colorado
Joyce Vernon	Eugene
Lucile Wald	Eugene
Ernest Watkins	Bandon
Algie Weinheimer	Hood River
Margaret Welch	Portland
Beatrice Wetherbee	Eugene
Lucile Wetzell	Eugene
Edna Whipple	Eugene
Clare Whitton	Eugene
E. M. Wilkins	Eugene
Katharine Williams	Eugene
Gail Winchell	Eugene
Mildred Woodruff	Portland
Beatrice Yoran	Eugene
Palmer Young	Eugene
William Young	Eugene

SUMMARY OF OFFICERS AND INSTRUCTORS

Administration—		
Regents	14	
Other administrative officers	16	
	—	30
Instruction—		
Academic Colleges and Schools:		
Professors and Assistant Professors	58	
Instructors, Assistant Instructors	22	
School of Music	13	
School of Medicine	32	
School of Law	3	
	—	128
		158
Deducting for names appearing more than once		12
Total officers and instructors		146

SUMMARY OF STUDENTS

Graduate School		16
College of Literature, Science and the Arts:		
Men	469	
Women	392	
	—	861
Summer School		183
School of Medicine:		
Freshmen	29	
Sophomores	25	
Juniors	12	
Seniors	17	
	—	83
School of Music		215
		1,358
Names appearing more than once		115
Total students in residence		1,243
Correspondence-Study Department		442
Total students in all departments		1,685
Total officers, instructors and students		1,831

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