THE

# UNIVERSITY OF OREGON

EUGENE

## CATALOG 1916-1917

## ANNOUNCEMENTS 1917-1918

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University of Oregon,
Eugene, Oregon.

CONTENTS


Calendar ..... 5
Officers of the University ..... 8
The Board of Regents ..... 8
Administrative Officers ..... 9
Officers of Instruction ..... 10
Committees of the Faculty ..... 23
The University of Oregon ..... 24
The University Library ..... 32
The University Museums ..... 34
The University Laboratories ..... 37
Admission to the University ..... 42
University Regulations ..... 49
General Information ..... 54
Prizes and Scholarships ..... 65
Student Expenses ..... 68
Organization of the University ..... 72
The Graduate School ..... 73
College of Literature, Science and the Arts ..... 77
Departments of Instruction ..... 86
Domestic Science ..... 145
School of Architecture and Arts ..... 187
School of Commerce ..... 202
School of Education ..... 211
School of Journalism ..... 227
School of Law ..... 230
School of Medicine ..... 246
School of Music ..... 283
Extension Division ..... 291
Summer School ..... 303
Degrees Conferred ..... 309
Students Enrolled ..... 312
Index ..... 329

## CALENDAR 1917

### JULY

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

### AUGUST

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | |

### SEPTEMBER

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| | | | | | | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | | | | | | |

### OCTOBER

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | | | |

### NOVEMBER

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| | | | | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | |

### DECEMBER

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| | | | | | | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 31 | | | | | |

## CALENDAR 1918

### JANUARY

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | | |

### FEBRUARY

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | | |

### MARCH

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | | | | | | |

### APRIL

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | | | | |

### MAY

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | |

### JUNE

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| | | | | | | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | | | | | | |

# CALENDAR

Oct. 1 to Dec. 21—Fall term.
Jan. 2 to Mar. 22—Winter term.
Apr. 1 to June 14—Spring term.

## CALENDAR IN DETAIL

| | |
|---|---|
| October 1, Monday. | Fall term opens. Payment of incidental fees and registration. Filing of application for undergraduate, graduate and special student standing, if such applications have not already been filed. Instructors keep office hours for consultation with the students. |
| October 2, Tuesday. | All University work begins. |
| October 10, Wednesday. | Regular meeting, Associated Students. |
| November 28, 12 M. to December 2, Sunday. | Thanksgiving recess. |
| December 3, Monday.<br>December 4, Tuesday. | Examinations for removal of conditions. |
| December 22, Saturday, to January 1, Tuesday. | Christmas vacation. |
| January 2, Wednesday. | Winter term begins. |
| January 22, Tuesday. | Regular meeting of Board of Regents, Johnson Hall. |
| February 22, Friday. | Washington's birthday. A holiday. |
| February 27, Wednesday. | Regular meeting, Associated Students. |
| April 1, Monday. | Spring term begins. |
| April 20, Saturday. | Date for filing with the Registrar typewritten copies of the Failing and Beekman orations. |

| | |
|---|---|
| May 1, Wednesday. | Regular meeting, Associated Students. Annual elections. |
| May 6, Monday.<br>May 7, Tuesday. | Examinations for removal of conditions. |
| May 10, Friday.<br>May 11, Saturday. | Junior week-end holidays. |
| May 30, Thursday. | Memorial Day. A holiday. |

COMMENCEMENT WEEK

| | |
|---|---|
| June 14, Friday. | Failing and Beekman orations, 8 P. M. |
| June 15, Saturday. | State Alumnae Association meeting, Villard Hall, 9 A. M.; Alumni business meeting, Villard Hall, 10 A. M.; Alumni banquet, 1 P. M.; President's reception, 3 P. M. Alumni ball, 9 P. M. |
| June 16, Sunday. | Baccalaureate sermon, 11 A. M. |
| June 17, Monday. | Commencement exercises, 10 A. M.. |

## REGULAR MEETINGS OF BOARD OF REGENTS, 1917-18

| | |
|---|---|
| Tuesday, January 22, | 1918 |
| Tuesday, June 4, | 1918 |

## REGULAR MEETINGS OF THE FACULTY, 1917-18

| | |
|---|---|
| Thursday, October 4, | 1917 |
| Thursday, November 1, | 1917 |
| Thursday, December 6, | 1917 |
| Thursday, January 3, | 1918 |
| Thursday, February 7, | 1918 |
| Thursday, March 7, | 1918 |
| Thursday, April 4, | 1918 |
| Thursday, May 2, | 1918 |
| Thursday, June 6, | 1918 |

## REGULAR MEETINGS OF ATHLETIC COUNCIL, 1917-18

| | |
|---|---|
| Saturday, September 22, | 1917 |
| Saturday, December 15, | 1917 |
| Saturday, March 16, | 1918 |
| Saturday, June 8, | 1918 |

## REGULAR MEETINGS, ASSOCIATED STUDENTS, 1917-18

| | |
|---|---|
| Wednesday, October 10, | 1917 |
| Wednesday, February 27, | 1918 |
| Wednesday, May 1, | 1918 |

# OFFICERS OF THE UNIVERSITY

## THE BOARD OF REGENTS

### OFFICERS

HON. ROBERT S. BEAN, President  A. C. DIXON, Vice-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. WILLIAM H. GORE

### 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. R. S. BEAN, Portland | April 15, 1917 |
| HON. WILLIAM H. GORE, Medford | 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 15, 1925 |
| MRS. G. T. GERLINGER, Dallas | April 15, 1927 |
| HON. C. C. COLT, Portland | April 15, 1927 |
| HON. HENRY MCKINNEY, Baker | April 15, 1927 |
| HON. LLOYD L. MULIT, Portland | April 15, 1929 |

# ADMINISTRATIVE OFFICERS

## THE UNIVERSITY

P. L. Campbell, B. A., LL. D.,
President.
M. H. Douglass, M. A.,
Librarian.
Karl W. Onthank, 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.
Elizabeth Freeman Fox, B. A.,
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.
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.

WILLIAM F. ALLEN, Ph. D., PORTLAND.
Professor of Anatomy.

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.

*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.
Director Men's Gymnasium.
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.
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, M. A., 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.

T. HOMER 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.

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

BURCHARD WILSON 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, and Assistant Dean.

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 V. 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. EARL ELSE, M. S., M. D., PORTLAND.
Assistant Professor of Surgery.

ELIZABETH FREEMAN FOX, B. A., EUGENE.
Dean of Women.
B. A. Barnard College.

ALBERT N. FRENCH, M. A., EUGENE.
Assistant Professor of Education.
B. A. University of Washington, 1911; M. A., 1915.

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.

CHESTER A. GREGORY, M. A., EUGENE.
Professor of Education.
B. A., University of Indiana, 1908; M. A., 1915.

RALPH SCOTT HAMILTON, LL. B., EUGENE.
Professor of Law.
LL. B. University of Missouri, 1905.

H. F. HARTHAN, B. S., EUGENE.
Professor of Spanish.
B. S., University of California, 1913.

HOWARD D. HASKINS, B. A., M. D., PORTLAND.
Professor of Biochemistry.

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

*Resigned February 4, 1917.

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 English Literature.
B. A. Cornell University, 1893.
Graduate Scholar Cornell University, 1893-95.

J. HUGH JACKSON, B. A., EUGENE.
Professor of Commerce.
B. A. Simpson College, 1912.

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

EARL KILPATRICK, B. A., EUGENE.
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.
B. A. University of Kansas, 1886; M. S., 1889.
M. D. Columbia University, 1896.

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

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.

FRANK R. MENNE, B. S., M. D., PORTLAND.
Assistant Professor of Pathology.

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

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.

HAROLD 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.

RICHARD NUNN, B. A., B. C. H., 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.

EARL L. PACKARD, Ph. D., EUGENE
Assistant Professor of Geology.
B. A. University of Washington, 1911; M. A., 1912.
Ph. D. University of California, 1915.

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

ELLEN M. PENNELL, EUGENE.
Assistant Professor of History of Art.

*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).

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*On leave of absence 1917-18.

GEORGE FRANCIS RICHARDSON, Ph. D., EUGENE.
Assistant Professor of Rhetoric.
Ph. B. Grinnell College, 1904.
M. A. University of California, 1909; Ph. D., 1914.

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.
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.

ALFRED HERMAN SCHROFF, EUGENE.
Professor of Fine Arts.

HERMAN SCHWARZ, Ph. D., EUGENE.
Assistant Professor of German.
Ph. D. Freiburg, 1905.

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.

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

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

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.

HARRIET THOMSON, B. A., EUGENE.
Assistant Physical Director for Women.

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.

GEORGE S. TURNBULL, B. A., EUGENE.
Professor of Journalism.
University of Washington, 1915.

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

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.
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.

LEWIS BOND, B. S., EUGENE.
Assistant in Chemistry.

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

ALLEN 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 History and Appreciation of Art.
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 of Extension Department.
B. A. University of Oregon, 1908.

ALLAN C. HOPKINS, B. S., EUGENE.
Instructor in Commerce.
B. S. University of Pennsylvania, 1914.

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

ENOS L. KEEZEL, EUGENE.
Instructor in Education.

CHESTER A. KRONENBERG, B. A., EUGENE.
Assistant Instructor in Mathematics.
B. A. University of Oegon, 1913.

CAMILLA LEACH, EUGENE.
Assistant in Drawing.

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

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.

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 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.

HOWARD ANNETT, Instructor in Piano.

| | |
|---|---|
| ALBERT PERFECT, | Assistant Instructor in Wind Instruments. |
| 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

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|---|---|
| M. H. DOUGLASS, M. A., | Librarian. |
| BEATRICE J. BARKER, Ph. B., | Head Cataloguer. |
| MARGARET C. UPLEGER, | Reference Librarian. |
| MABEL EATON MCCLAIN, B. A., B. S., | Circulation Librarian. |
| MARTHA SPAFFORD, B. A., | Cataloguer. |
| OLGA E. OLSEN, B. A., | Order Clerk. |
| CAMILLA LEACH, | Art Librarian. |
| R. BLANCHE HUGHES, | Assistant. |
| KATHERINE WATSON, B. A., | 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.

ADVISORY COUNCIL (Elective)—Deans Schafer, Sheldon and Allen, and Professors Bovard, Barnett and Rebec.

GRADUATE COUNCIL—Professors Young, Schmidt, Howe, Stafford, Sheldon and Boynton.

ATHLETICS—Professors Howe, Bezdek and McAlister.

SPECIAL STUDENTS—Professors DeCou, Clark and Cloran.

LIBRARY (Regents)—Hon. R. S. Bean and the Librarian.

STUDENT AFFAIRS—The President and Professors Straub, Fox, Morton, Thacher and Hamilton.

ADVANCED STANDING—Professors Stafford, McAlister and the Registrar.

STUDENT LIVING—Professors Bovard, Cummings, Rebec, Sweetser and Jackson.

REVISION OF STUDENT COURSES—Professors DeCou, Gilbert, Thorstenberg and O'Hara.

ABSENCES—Deans Straub and Fox.

COMMENCEMENT AND ASSEMBLY—The President and Professors Dunn, Gilbert, Straub, Lyman, Parsons and Allen.

INTELLECTUAL ACTIVITIES—Professors Rebec, Bates, Howe, Stafford, Allen, Smith and Parsons.

RELIGIOUS AND MORAL LIFE—Professors Schafer, Fox, Bezdek, DeCou, Caswell, Winger and Edmondson.

PROBATION—Professors Conklin, Smith, Cummings, Stetson and Robbins.

ADMINISTRATION OF HONORS—Professors Howe, Barnett and Stafford.

EDUCATIONAL PUBLICATIONS—Professors DeBusk, Schafer, Smith, Robbins and Turnbull.

# 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 preparatory

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 too 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 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 in 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 at a time in Chemistry, 50 students in Psychology, and 50 in Journalism. The laboratories in Psychology occupy the north half of the second floor, while the psychological lecture room is located in the south half. 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 devited to the use of the School of Architecture. Both Commerce Hall and Architecture Hall are two-story brick buildings.

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 catalog, "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 fireproof 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 twenty 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 catalog, "Student Expenses."

MUSIC HALL was completed in February, 1909. It is a two-story building, located on University avenue, directly east of Architecture 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 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 was completed in 1916. 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, the offices of the School of Extension Study, and the Law School.

THE GIRLS' DORMITORY. An appropriation of $50,000 has been made by the Legislature for the purpose of erecting a girls' dormitory. The building should be ready for occupancy sometime during the school year 1917-18.

# THE UNIVERSITY LIBRARY

## STAFF

| | |
|---|---|
| M. H. Douglass, M. A., | Librarian. |
| Beatrice J. Barker, Ph. B., | Head Cataloguer. |
| Margaret C. Upleger, | Reference and Periodical Librarian. |
| Mabel Eaton McClain, B. A., B. S., | Circulation Librarian. |
| Martha E. Spafford, B. A., | Cataloguer. |
| Camilla Leach, | Art Librarian. |
| Olga E. Olson, B. A., | Order Clerk. |
| R. Blanche Hughes, | Assistant. |
| Katherine Watson, B. A., | Assistant. |

The University Library is a well-selected and rapidly-growing collection of books now numbering about 70,000 volumes. Since 1908, the regular annual appropriation for books and periodicals and for binding has been $10,000, tho in 1911, 1912 and 1914, because of unusual demands in other directions, the full amount was not available. In 1916 a special appropriation of $5,000 was made for books on law and architecture to help meet the needs of the comparatively new schools of law and architecture.

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

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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. During the year 1916, 783 packages, containing 2,417 items, were sent by mail to out-of-town patrons.

The original part of the present Library building was erected in 1907. Its ground dimensions are 90 bv 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, cataloging rooms, librarian's office, a newspaper room, 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, has an ultimate book capacity of from 125,000 to 150,000 volumes on five floors, tho three stories only of the stacks have as yet been installed.

UNIVERSITY OF OREGON LIBRARY, EUGENE

# 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. For a more complete statement about the Museum and description of the collections, see Bulletin No. 3, Vol. I (New Series), University of Oregon Publications. Copies may be obtained from the Registrar.

(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) The H. A. M. Lawrie Loan collection of Krantz rocks and Wilke minerals, containing over 500 European rock types and about the same number of superb minerals from all parts of the world.

(7) 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 to 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 $20,000 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; and the Edmund P. Sheldon collection, recently acquired by donation. 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.

UNIVERSITY OF OREGON LIBRARY EUGENE

## 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 diffierent 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 devlopment 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) The Wilke collection of world minerals, loaned by H. M. Lawrie.

(3) A labeled set of working material.

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

(5) 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 acmommodate 100 students. The desks are provided with water, gas and electricity. On one side is

UNIVERSITY OF OREGON LIBRARY, EUGENE

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 thru 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 course 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, located on the first and second floors of Deady Hall, have been recently remodelled for the special use of the department. The laboratories for elementary and general work on the second floor furnish accommodations for workers in large sections. They include special dark rooms for photometry and photography. The equipment is very complete, including among others 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 the Puluj apparatus for determining the mechanical equivalent of heat; lenses, laboratory telescopes, photographic cameras, spectroscopes, spectrometers, and an unusual collection of prisms and diffraction gratings, photometers, polarimeters, a Michelson interferometer, galvanometers, resistance boxes, ammeters and voltmeters, and a large electro-magnet. This equipment is supplemented by the collection of lecture-room apparatus, which is especially rich in the departments of light, electricity and magnetism. There is also a very complete collection of apparatus for elementary work, available to those who are preparing to teach in the high schools.

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 special electrical laboratory has a notable equipment for electrical measurements, including resistances, standard capacities and inductances, potentiometers and galvanometers from the Leeds & 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, a standard ohm by Otto Wolf, Weston Standard cells, including some which have been compared with those of the National Bureau of Standards, precision photometers, standardized incandescent lamps, and the usual accessories of switches, commutators and electric motors. A high potential storage battery of 4,000 volts, high potential transformers and other equipment furnish opportunity for experimental work with electric waves and wireless telegraphy. The department is provided with X-ray tubes, electrometers and other equipment for the study of radio activity. A large dark room on this floor is available for this work and for precision photometry.

## 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.

The collections of Mr. Howell, Mr. Leiberg, Mr. Cusick and Mr. Sheldon are available for students of systematic botany. Facilities are provided for the study of preservation of local material and for cataloging 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 required to present the following additional subjects:

| | |
|---|---|
| Solid Geometry | ½ unit |
| Intermediate Algebra | ½ unit |

Students majoring in commerce are required to present the following additional subject:

| | |
|---|---|
| Intermediate Algebra | ½ unit |

*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.

### Elective Subjects

The balance of the fifteen units not listed above may be selected from the subjects for which standard high schools give credit toward graduation, and may include additional work in the required subjects. The University reserves the right to set the maximum number of units which it will accept in any one subject.

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. You will be assigned by the Registrar's office to an adviser, who will make out your card for you. Tell your adviser frankly of your plans and purposes, so that he can help you arrange the most suitable course. He will be able to give you full information as to the work you must take to prepare yourself for any of the professional schools, or any major subject you desire to pursue later in your course, and will also tell you what subjects are prescribed and under what circumstances, such as Physical Training, English Composition, or Foreign Language. The total number of hours, including Physical Training, should ordinarily be sixteen or seventeen, but in case of poor health or a large amount of outside work should be less.

4. Address your letter to the Secretary of the University Y. M. C. A. or Y. W. C. A. if you are writing to the University regarding work by which to help pay your living expenses. They have charge of the University employment bureau and will be glad to assist you if they can.

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## FRESHMAN STUDIES

American Literature 59, 60; Architecture 1, 26, 30, 47, 58, 86, 91; Botany 1, 2, 11; Chemistry 1; Commerce 28, 30; Economics 1, 2; English Literature 31, 32, 37, 38; Ethics 1; Fine Arts 1, 2, 3; French 1; French 2 and 3, if prepared; Geology 1, 11; German 1; German 2 and 3, if prepared; Greek 1; Greek 2 and 3, if prepared; Hygiene 7; History 1, 2, 5, 6; Journalism 1, 8; Latin 1, 2, 3, 4, 12, 27; Mathematics 1a, 1b, 1c, 1d, 3; Norwegian 1; Physical Training; Physics 1, 3, 4; Public Speaking 1, 6; Rhetoric 1, 3, 4; Spanish 1; Spanish 2, if prepared; Zoology 1, 2, 11; Scandinavian Languages, 1 and 2; History, 1 2, 5 and 6; Journalism, 1; Latin, 1 to 8; Mathematics, 1a, 1b, 1c, 1d, 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 124 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, German, French, Greek, Higher Algebra, and Trigonometry. All examinations for such credit must be taken before the student has earned 60 semester hours of credit in the University.

## EXAMINATION IN ENGLISH

Every student upon entering the lower division of the University shall take a three-hour examination in written or oral English. Upon the basis of this examination, the upper third of the students shall be excused from required work in Freshman Composition; the remaining two-thirds must complete the prescribed course in English Composition, given three times a week thruout the first semester. At the end of the first

semester, the upper half of the remainder shall be excused from further work in Freshman Composition, and the lower half must complete the prescribed course in English Composition, given three times a week thruout the second semester.

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. Thruout 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 recommendation from accredited schools without examination; second, by examination. All students from schools not accredited to the University are subject to examination at the University.

## 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 having at least two teachers giving full time to high school work and 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 1916-17:

PUBLIC HIGH SCHOOLS

Airlie
Albany
Alsea
Amity
Arlington
Ashland
Astoria
Athena
Baker
Ballston
Bandon
Bay City
Beaverton
Bellfountain
Bend
Brownsville
Burns
Butte Falls
Canby
Canyonville
Carlton
Central Point
Clatskanie
Cloverdale
Coburg
Colton
Condon
Coquille
Corbett
Corvallis
Cottage Grove
Cove
Creswell
Culver
Dallas
Dayton
Dorena
Drain
Dufur
Dundee
Echo
Elgin
Elmira
Enterprise
Estacada
Eugene
Falls City
Florence
Forest Grove
Fort Klamath
Fossil
Freewater
Gaston
Glendale
Gold Hill
Grants Pass
Gresham
Haines
Halfway
Halsey
Harrisburg
Helix
Heppner
Hermiston
Hillsboro
Hood River
Hubbard
Huntington
Imbler
Independence
Ione
Jefferson
John Day
Joseph
Junction City
Klamath Falls
La Grande
Lakeview
Leaburg
Lebanon
Lexington
Madras
Mapleton
Marcola
Marshfield
McMinnville
Medford
Merrill
Mill City
Milton
Milwaukie
Molalla
Monmouth
Monument
Monroe
Moro
Myrtle Creek
Myrtle Point
Nehalem
Newberg
Newport
North Bend
Nyssa
Oakland
Odell
Ontario
Oregon City
Orenco
Pendleton
Perrydale
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
Silverton
South Brownsville
Springfield
Stanfield
Stayton
St. Helens
Sumpter
Sutherlin
Sweet Home
Tangent
The Dalles
Thurston
Tillamook
Toledo
Tualatin

| | | |
|---|---|---|
| Turner | Walker | Willamina |
| Umapine | Wallowa | Woodburn |
| Union | Walterville | Yamhill |
| Vale | Wasco | Yoncalla |
| Waldport | Willamette | |

PRIVATE SCHOOLS

Baker—St. Francis Academy.
McMinnville—Academy of McMinnville College.
Milton—Columbia Junior College.
Mt. Angel—Mt. Angel Academy.
Newberg—Pacific Academy.
Pendleton—St. Joseph's Academy.
Philomath—Academy of Philomath College.
Portland—Columbia University; Hill Military 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 the College of Literature, Science and the 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

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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) Perons 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 reerve 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 tho 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 adviser, and the instructors with whom work is taken, must be filed with the Registrar within three school days after 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

UNIVERSITY OF OREGON LIBRARY EUGENE

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 **and the payment of a fee of one dollar**; 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 adviser 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 adviser and the instructor 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 adviser. After January 1 and after May 1 no withdrawals are permitted.

## WITHDRAWAL FROM THE UNIVERSITY

Students withdrawing from 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 adviser.

## 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 without deficiencies, who have a recod 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 hour 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 premanently 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.

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## 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, and at the regular examination time. Conditions and Incompletes may also be made up at any time acceptable to the instructor, tho students do not have the right to demand examinations at any time except the regular dates set.

## 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 of 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 Honors in a Given Subject.

1. Honors in General Scholarship.

Students shall be graduated with honor in general scholarship when for each semester hour of their credits ranking below "S" they shall have three semester hours which rank above "S," provided none are below passing.

2. Honors in a Given Subject.

These honors shall be based upon excellence of work in connection with one or more honor courses designated by the major professor, considered in connection with general excellence in the subject of the department. The standard of requirements is intended to be so high that the proportion of students attaining

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honors in a department will be small, and in more than one department exceedingly small. These honors are intended to be the highest honors conferred by the University upon the candidate receiving the Bachelor's or Master's degree, and equivalent to a recommendation for a scholarship or fellowship in a graduate school.

Seniors may be admitted to honor standing upon registration in the first semester; juniors upon registration in the first or second semester. Honor courses shall be listed on the regular registration card. Candidates for honors shall have been registered for such honors during at least two semesters previous to the honor examination.

(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 issued quarterly as the publication agency of the community and commonwealth service movement instituted under the auspices of the University of Oregon.

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 the Associated Students. 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.

UNIVERSITY OF OREGON LIBRARY EUGENE

## 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.

## DRAMATIC

There are two organizations on the campus interested primarily in the drama, the University Players and the Campus Players. The purpose of both organizations is to stimulate an interest in dramatic art and to develop latent talent among the members.

## MATHEMATICAL CLUB

The Mathematical Club was organized in the fall of 1916 by the students of the department of Mathematics Meetings are held monthly, at which discussions of all phases of the subject of mathematics are conducted by the students and faculty. All students in the department of Mathematics and allied departments are eligible for membership.

## 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, thru its employment bureau, aided working students to the extent of almost $5,000.00.

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 crytalize 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 Wednesday 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 thru college. A thoro 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 ORATORIAL ASSOCIATION

THE INTERCOLLEGIATE ORATORIAL ASSOCIATION is an organization of the following colleges and universities of Oregon: Pacific College, McMinnville College, Albany College, Oregon Agricultural 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. There is also an annual debate between the girls of the University of Washington and the University of Oregon.

## OREGON HIGH SCHOOL DEBATING LEAGUE

THE OREGON HIGH SCHOOL DEBATING LEAGUE was organized in 1907 by Professor E. E. DeCou for the purpose of promoting debating in the high schools of the State. During the school year of 1916-17, seventy-two high schools were enrolled and were divided into ten districts: Lower Columbia, Upper Columbia, North Willamette, South Willamette, Coos Bay, Southern Oregon, South-Central Oregon, Southeastern Oregon, Eastern Oregon and Umatilla. The various schools first settle the district championship, then the district champions debate one another until but two are left, and these hold the final debate for the championship of the State at the University of Oregon on University Day in May. The winning team gains possession for one year of the University of Oregon cup, which will become the permanent property of the school winning it three times. No school has yet won this cup twice. The State champions in the league since its organization have been Lebanon, Grants Pass (twice), Pendleton (twice), Albany, North Bend, Salem and Prineville. Since 1914 the league has been administered from the offices of the Extension Division. The present officers are Charles H.

Boyd of Portland, president, and Earl Kilpatrick of Eugene, secretary-treasurer. The executive committee consists of the officers and J. A. Churchill, State Superintendent of Public Instruction, Cornelia Marvin, State Librarian, and P. L. Campbell, President of the University of Oregon. The annual meeting of the league is held each year in Portland in connection with the meeting of the superintendents' section of the State Teachers' Association.

## ATHLETICS

THE ATHLETIC COUNCIL of the University of Oregon, consisting of three members of the faculty and the president of the University ex officio, three members of the alumni association, and three members of the student body, the graduate treasurer, ex officio, and the president of the student body, 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. Two golf courses are available, the University links on the campus and the links of the Eugene Country Club.

WOMEN'S ATHLETIC ASSOCIATION. This association was organized to promote sane athletics among the women of the University and the girls of the high schools of the State.

It sponsors the Women's Tennis Club, a most vigorous organization; with the Women's Department of Physical Education it takes charge of occasional contests with Oregon Agricultural College; manages an Annual Field Day on the campus and heads the Oregon Trail Girls, an athletic organization which has camps in a growing number of the State high schools.

## MUSICAL

THE MEN'S GLEE CLUB is a student organization open to all. 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 GIRL'S GLEE CLUB consists of twenty-four voices, chosen in the same manner as the men's club. An annual concert is given and a trip taken 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 thruout the year. An annual concert is given, and the orchestra also has a prominent part in the commencement music. Concerts are also given in other cities. Those playing thruout 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 eligible 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.

UNIVERSITY OF OREGON LIBRARY EUGENE

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 mebership of this society is composed of students majoring in the School of Law.

ASSOCIATED UNIVERSITY PLAYERS—A national society for upper-class students interested in the writing and acting of drama.

## STUDENT LOAN FUND

Thru 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. Altho for a number of years the total amount of the fund reached only a little over $500.00, yet its benefits were large, and thru it many students were enabled to complete their college course who otherwise could not have done so. At the begnining of 1909, Senator R. A. Booth of Eugene became interested and thru 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, amounting to $6,974.80:

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, and other donors whose names have not been given, amounts approximately to $1,428.00.

THE ROBERTS LOAN FUND of $165, established by Mr. A. S. Roberts of The Dalles, now amounts to $173.00.

THE BOOTH LOAN FUND of $1,000, established by Senator R. A. Booth of Eugene, now amounts to $1,431.00.

THE AINSWORTH LOAN FUND of $1,000, established by Mr. J. C. Ainsworth of Portland, now amounts to $1,281.00.

THE D. P. THOMPSON LOAN FUND of $1,000, established by the estate of the late D. P. Thompson, now amounts to $1,418.00.

THE CONDON LOAN FUND of $500, 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, now amounts to $699.00.

THE KELLY LOAN FUND of $100, established by Mr. John F. Kelly of Eugene, now amounts to $130.00.

THE SELLING LOAN FUND of $100, established by Mr. Ben Selling of Portland, now amounts to $128.00.

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 $290.00.

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 also 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.

UNIVERSITY OF OREGON LIBRARY EUGENE

## 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 business of the association is transacted mainly by the alumni council, which consists of the president, vice-president, secretary and nine members elected at large. Meetings of the council are held during the year, according to the convenience of the members and the urgency of the business presented. The dues of the association are one dollar a year. This entitles the member to a subscription to the Oregon Emerald in addition to other privileges 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 1916 the Failing prize was awarded to Lamar Tooze and Harold Humbert.

### 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 1916 the Beekman prize was awarded to Cleveland Simpkins.

### 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.

### The Edison Marshall Prizes

Prizes of $10.00 for the best short story, and $5.00 for the second-best short story, are given each year by Edison Marshall,

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ex-'17. Contestants are limited to undergraduates regularly enrolled and in good standing. The contest is under the direction of the Department of Rhetoric.

## 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 thru 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 599 Elizabeth 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. Camille Bovard, 242 Fourteenth avenue East, Eugene, Oregon.

### Portland Pan-Hellenic Scholarship

The Portland Pan-Hellenic Society gives an annual scholarship to the University of $250.00. The society selects its own girl each year to receive it.

### Rhodes Scholarship

The next qualifying examination for scholars in Oregon under the Rhodes bequest will be held in October, 1917, and the candidate so selected will go into residence at Oxford in 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 enterprises, 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 sudent'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 $20.00 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 thoroly 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 thruout, 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 fifty rooms, which furnish accommodations for sixty or seventy 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. Board has been furnished during 1916-17 in the dining-room for $3.75 a week, though it is possible that the rise in prices may make it necessary to charge a higher rate in the fall. The rate for room rent is about 50 cents a week. The dining-room accommodates ninety 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 other than board:

Room rent per semester, including laundry for beds, payable at beginning of each semester, per room.....$15.00
Room deposit, returnable at end of year..... 10.00

Board is payable monthly in advance.

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

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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 twenty 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 has been in effect during 1916-17. It is possible that the price of board may have to be raised for the fall term, beginning September, 1917, owing to the advancing cost of supplies.

| | |
|---|---|
| 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 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 $4.50 to $6.50 per week. The average price for room and board in private families is $25.00 per month.

## SELF SUPPORT

Seventy per sent 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 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 he session consists of janitor work, typewriting, reporting, tutoring, waiting on table, clerking, clothes pressing, odd jobs, etc. The Y. M. C. A. and Y. W. C. A conduct free labor bureaus, which are at the service of the students. The University is glad to be of all possible assistance to those desiring to find work. In writing regarding employment, address the Secretary of the University Y. M. C. A. or Y. W. C. A., who have charge of the employment bureau.

## 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.

UNIVERSITY OF OREGON LIBRARY EUGENE

# 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.
  - Course in Household Economics.

SCHOOL OF ARCHITECTURE AND ALLIED 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 catalog 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.

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## 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 thru correspondence include a registration fee of $1.00 for each period of twelve months thru 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 Comptroller'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 thru 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 thru correspondence-study may be acceptable for A. M. credits

UNIVERSITY OF OREGON LIBRARY EUGENE

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 thru 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., Director of Men's Gymnasium.

JOHN FREEMAN BOVARD, Ph. D., 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.

ELIZABETH FREEMAN FOX, B. A., Dean of Women and Professor of Sociology.

ALBERT N. FRENCH, M. A., Assistant Professor of Education.

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

CHESTER A. GREGORY, M. A., Professor of Education.

H. F. HARTHAN, B. S., Professor of Spanish.

WILLIAM L. HAYWARD, Associate Director Men's Gymnasium.

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

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

UNIVERSITY OF OREGON LIBRARY, EUGENE

JOHN P. O'HARA, Ph. B., Assistant Professor of History.
EARL L. PACKARD, Ph. D., Assistant Professor of Geology.
MABEL HOLMES PARSONS, M. A., Professor of Rhetoric.
ELLEN M. PENNELL, Assistant Professor of Art.
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.
GEORGE F. RICHARDSON, Ph. D., Assistant Professor of Rhetoric.
EDWIN CLYDE ROBBINS, Ph. D., Assistant Professor of Economics.
JOSEPH SCHAFER, Ph. D., Professor of History.
FRIEDRICH GEORG G. SCHMIDT, Ph. D., Professor of German.
HERMANN SCHWARZ, Ph. D., Assistant Professor of German.
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.
ROY M. WINGER, Ph. D., 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 History and Appreciation of Art.
FRIEDA GOLDSMITH, B. A., Instructor in Physical Training.
RUTH HOWELL, B. A., Assistant Instructor in Botany.
CHESTER A. KRONENBERG, B. A., Assistant Instructor in Mathematics.
CAMILLA LEACH, Assistant Instructor in Drawing.
HAZEL RADER, B. A., Instructor in Physical Training.
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.

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

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, English Literature, Economics and Sociology, Education, Domestic Science, Geology, Germanic Languages, Greek, History, Latin, Mathematics, Mechanics and Astronomy, Philosophy and Ethics, Psychology, Physics, Physical Training, Political Science, 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, ninety 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 thoro 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 thoro 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 thot, 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 | 6 hours |
| History (English and American) | 6 hours |
| Chemistry | 8 hours |
| Mathematics | 6 hours |
| Latin (beginners' course) | 10 hours |
| Elementary Law (required of all law students) | 6 hours |
| Economics | 4 hours |
| Physical Training | |

Second Year—

| | |
|---|---|
| Latin | 4 hours |
| Physics | 8 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 sixteen semester hours. Eighteen hours may be taken if the grades obtained warrant this privilege.

### 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 | 8 hours |
| Chemistry | 8 hours |

Second Year

| | |
|---|---|
| Foreign Language | 6-8 hours |
| Mathematics | 8 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 |

## LOWER DIVISION

For the work of the freshman and sophomore years the University has adopted the name "Lower Division." Each student in the Lower Division is under the supervision of a member of the faculty, who acts as his adviser, making out and signing his study card.

### 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 constitute a laboratory period.

Before promotion from the Lower to the Upper Division, a student must complete not less than sixty-four semester hours, including prescribed Physical Training, satisfy the University requirements in English, the Group Requirements, and the requirements for admission to a professional school, or to the work of a major department.

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.

Most of the subjects open to students in the Lower Division are included in one or another of the following groups:

1. English and other languages (not including prescribed English Composition).

2. Social Sciences.

3. Mathematics and Sciences (including laboratory or field work).

Each student must before promotion take not less than eight semester hours in each of these groups.

The entrance requirements for each of the professional schools will be found in the appropriate places. Advisers are provided with full statements of the requirements of each department for admission to its advanced courses.

## UPPER DIVISION

The work of the junior and senior years is designated as the "Upper Division."

Students who have met the requirements for promotion from the Lower Division or do not lack more than six semester hours of such promotion, may be enrolled in the Upper Division.

Major. Every student in the Upper Division of the College of Literature, Science, and the Arts must choose a major subject, which may then be changed only by vote of the faculty. The head of the department then acts as his adviser, or designates some other member of the department as adviser. The adviser may require not less than twelve nor more than thirty semester hours of advanced work in the major department or closely allied departments, and may make reasonable requirements of work in other related departments.

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.

## Degrees

When a student, in addition to full promotion from the Lower Division, has completed sixty semester hours of work in the Upper Division, including the requirements of his major department, he may be granted the degree of Bachelor of Arts, or Bachelor of Science, as indicated below. But work done before promotion to the Upper Division, or to remove a condition in this promotion, is not counted toward the required sixty hours.

In order to receive the degree of Bachelor of Arts, in addition to the general requirements just mentioned a student must have included in his University course not less than two years of consecutive work in one language other than English; but if one year's work is a continuance of a language already studied two years in the high school, the other year may be in a different language. If a student enters the University conditioned in foreign language, the requirement is increased by six or ten semester hours, as stated on page 42, but at least two years of work in the same language is required in the University.

A candidate for the degree of Bachelor of Science must similarly have included in his University course either at least three year-courses, aggregating not less than twenty semester hours in Social Sciences, or a like amount of work in either Mathematics or Science.

Students who have entered the University before September, 1917, will complete the courses and receive their degrees under the conditions announced in previous catalogs. But such students may elect to take the degrees under the new conditions. In such case they must meet all the requirements here announced, including the group requirements, the recomputation of major requirement counting advanced work only, and the requirement of continuity of language work for the A. B. or of the minimum work in Social Science, Science or Mathematics for the B. S.

## MILITARY COURSES

Full and complete courses in military drill and instruction will be given at the University throughout the year under the direction either of an officer of the regular army of the United States or of an officer of the Canadian or British army invalided home from the trenches.

UNIVERSITY OF OREGON LIBRARY EUGENE

# DEPARTMENTS OF INSTRUCTION*
## Announcement of Courses for 1916-1917

### ANNOUNCEMENT

Beginning with the college year 1917-18, and continuing at least for the period of the war, the University of Oregon has adopted a program of three terms in place of two semesters. The first term, known as the fall term, begins October 1st and lasts until December 21; the second, or winter term, begins January 2 and lasts until March 22; the third, or spring term, begins April 1 and lasts until June 17.

This important change was made in accordance with the suggestion of the National Association of State Universities, and is a "war measure," in that it will enable students to enter and leave college with greater ease than under the two semester system.

The change, however, was made too late to make possible the necessary revision of courses, and the following statement of "Courses of Study" is not to be considered authoritative except as a general survey of the courses that will be presented. A schedule of courses offered for the Fall Term, 1917, will be published later.

### ART

(See School of Architecture.)

### 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.

*Alphabetically arranged according to departments.

(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 to all freshmen. Lectures on Monday, Tuesday and Thursday 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 one laboratory period. Prerequisites, Courses 1 and 2. Must precede Course 5. *Two hours, first semester.*

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.

*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.
Not given 1917-18. *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.
*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 Lamark, 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.

The herbarium has recently received as a donation the collection of the late Edmund P. Sheldon.

### 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 3 and 7, which are $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.

### Recommendation of Teachers

| | 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

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule. See announcement, page 86.**

Students electing Chemistry as a major will in general be expected to take Course 1 during the freshman year, Courses 3, 4 and 10 in the sophomore year, and Courses 5 and 16 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, Tuesday, Wednesday or Thursday. 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 advanced students of Chemistry, as well as to students or Medicine, Pharmacy and Biology. Three lectures and one laboratory period a week thruout the year. Monday, Wednesday and Friday at 9. *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. **Introduction to Physical Chemistry.** A two-hour lecture course in which a number of the more important topics in theoretical chemistry are considered insofar as possible without the use of higher mathematics. Tuesday and Thursday at 11.

*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 or more hours, 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.*

20. **Continuation Chemistry**—For students not specializing in chemistry but who nevertheless desire to continue the study of the subject beyond the limits of the year course in general

chemistry. The course consists in a study of the chemical aspects of certain familiar phenomena such as those producing heat, light ,electricity, power, etc., together with a passing treatment of the subjects of nutrition, metabolism, water supplies, and sanitation. General chemistry is prerequisite. Two lectures and one laboratory period per week. Monday and Tuesday at 10. Laboratory 1-4 Monday.

*Three hours, first semester.*

21. **Continuation Chemistry**—The purpose of the course is the same as that of course 20 but with subject matter in general confined to the chemistry of structural materials and the substances used in their protection or adornment. Typical topics to be considered are: Metals, wood, textiles, glass, ceramics, cements, colors, varnishes, detergents. Two lectures and one laboratory period per week. General chemistry prerequisite. Monday and Tuesday at 10. Laboratory 1-4 Monday.

*Three hours, second 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, $10.00; Analytical Chemistry, $15.00 to $20.00; Organic Chemistry, $15.00 to $20.00. In addition to the $10.00 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

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule. See announcement, page 86.**

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 thot 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 department 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 thruout 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 |

Lower Division courses for students planning to major in Economics and Sociology.

FRESHMAN YEAR

First semester—

| | |
|---|---|
| Economic and Social History of England | 2 hours |
| English Composition | 3 hours |
| Foreign Language | 5 hours |
| Correlated Foundational Courses | 5 or 6 hours |

Second semester—

| | |
|---|---|
| Economic and Social History of the United States | 2 hours |
| English Composition | 3 hours |
| Foreign Language | 5 hours |
| Correlated Foundational Courses | 5 or 6 hours |

SOPHOMORE YEAR

First semester—

| | |
|---|---|
| Principles of Economics | 3 hours |
| Principles of Sociology | 3 hours |
| Foreign Language | 4 hours |
| Correlated Foundational Courses | 5 or 6 hours |

Second semester—

| | |
|---|---|
| Principles of Economics | 3 hours |
| Principles of Sociology | 3 hours |
| Foreign Language | 4 hours |
| Correlated Foundational Courses | 5 or 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 thru 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 Thot**—The interactions between the ideas pertaining to economic interests and the conditions of economic life, also the relations between the economic thot and the philosophical speculations of successive epochs are traced. The existing schools of economic thot 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 discussion 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 philosohpy 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. **Social Agencies**—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. Prerequisites, Principles of Economics, and Principles of Sociology. Dean Fox. *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 Robbins. *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 or Principles of Sociology. Assistant Professor Robbins. *Two hours, second semester.*

## EDUCATION

Professor SHELDON Professor AYER MR. BROECKER
Professor STETSON Professor DEBUSK MR. FRENCH

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule. See announcement, page 86.**

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 fifteen 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 exception 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 pedagogy, such as Rousseau's Emile, Froebel's Education of Man, Spencer's Education, etc. 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, the doctrine of endowment, individual differences, special mental processes, psychology of skill and the instrumental subjects. Professor DEBUSK. *Three hours, second semester.*

4. **Genetic Psychology**—A study of the normal, mental and physical development of the individual thru 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; also adolescence, its chief mental and physical characteristics in relation to school work. 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. Professor SHELDON. Professor DEBUSK. *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.*

10. **Civic Education**—Points of approach and subject matter in the field of civics, economics and history, especially from the point of view of the junior high school. Mr. FRENCH.

12. **Supervised Teaching**—In University demonstration school and in local secondary schools. This work is under the direction of the department. Students should apply thru the Registrar for this course during the preceding semester. General announcement 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. FRENCH. *Four or five hours, repeated each semester.*

13a. **Educational Hygiene**—A general course. Hygiene of the school plant, heating, lighting, ventilation, the school environment. Administration of educational hygiene, school feeding, school diseases, medical inspection, dental inspection. Professor DEBUSK. *Three hours, first semester.*

13b. **Hygiene of Learning**—Hygiene aspects of learning and of school work. Laws of neural activity, blood supply, oxygen, fatigue, systematic poisons, posture, temperature, humidity, etc. Hygiene of mental functions. Hygiene of school subjects. Professor DEBUSK. *Three hours, second 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.*

17a. **Exceptional Children**—A study of the factors that affect the mental and physical growth and functioning. Heredity, physiological age, disorders of growth, malnutrition, defects of the special sense organs, teeth, adenoids, tonsils, the nervous child, neuroses of development. Professor DEBUSK.

*Two hours, first semester.*

17b. **Exceptional Children**—The method and technique of the examination of the school child. Intelligence testing. The literature of tests. Social and educational treatment of types of exceptional children. Professor DEBUSK.

*Two hours, second semester.*

18. **Social and Moral Education**—Underlying principles. Study of systems of moral instruction in different countries. Recent movements in social education. Lectures, reports and discussions. Professor SHELDON.

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 1917-18. 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. Not given in 1917-18. *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.

**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, 1917-18.

## ENGLISH

### RHETORIC AND AMERICAN LITERATURE

Professor BATES Professor THACHER MRS. PARSONS
MISS BURGESS MISS PERKINS DR. RICHARDSON
MISS TURNER

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule. See announcement, page 86.**

#### 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, thru 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.

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, thru examinations 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 (for majors in Journalism); Monday, Wednesday and Friday at 9 (for majors in Commerce); Tuesday, Thursday 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.*

4. **English Composition**—Especial attention is given to exposition. A periodical will be used for illustrative material. Open to freshman 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. For sophomores. Professor BATES.

*Two hours, both semesters.*

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 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.

*Two hours, 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. *Three hours, second semester.*

19. **Nineteenth Century Literary Criticism**—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 the drama, Classical, Shakespearian and Modern; analysis of authors will be studied: Wordsworth, Coleridge, Shelley, Poe, Arnold, Swinburne, Ruskin, Pater, Brownell, Babbitt, More, Woodberry and Santayana. Professor BATES.

*Two hours, second semester.*

26. **Translation**—The aim of this course is to bring out the distinctive qualities of the English language thru 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 undergraduaes. Professor BATES and 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. Professor BATES. *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. Professor BATES. *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 thot. 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. Tuesday and Thursday at 11. Professor BATES. *Two hours.*

73. **"Column" Writing and Paragraphing**—Practice in the production of journalistic verse, paragraphs, parodies and other material adapted to the newspaper "column." Professor BATES. *Two hours, second semester.*

74. **Contemporary American Fiction**—James Lane Allen, Ellen Glasgow, Edith Wharton, David Graham Phillips, Robert Herrick,

Gertrude Atherton, Mary Austen and Francis Grierson. Lectures and readings. Professor BATES. *Two hours, second semester.*

75. **Edgar Allan Poe**—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**—Transcendentalism; the ideals of democrary; Whitman's great program; his degree of attainment; his influence on the literature of today. Lectures and discussions. Professor BATES. *Three hours, second semester.*

77. **Influence of Contemporary European Literature**—Study of the most significant movements in recent continental literature —Russian, German, Scandinavian, French, Italian and Spanish; what they have done and what they may do for American literature. Lectures, and readings from foreign works in translations. Professor BATES. *Three hours, both semesters.*

ENGLISH LANGUAGE

21. **Anglo-Saxon Literature**—English literature to the Norman Conquest, read in standard translations. Lectures, assigned readings, class discussions. A knowledge of Old English not essential. Not open to freshmen. Tuesday and Thursday at 8. Miss PERKINS. *Two hours, first semester.*

22. **Middle English Literature**—English literature from the Norman Conquest to about the sixteenth century. Lectures, assigned readings, and reports. A knowledge of Middle English language not essential. Not open to freshmen. Miss PERKINS.

*Three hours, second semester.*

23. **Anglo-Saxon Language**—Grammar and translations of prose and poetry. Bright's Anglo-Saxon reader will be used. Hours to be arranged. Miss PERKINS.

*Three hours, first semester.*

24. **Beowulf**—The translation and critical study of the poem. Open only to those who have had course 23 or its equivalent. Miss PERKINS. *Three hours, second semester.*

25. **Middle English Language**—Grammar and translations of prose and poetry. The development of Middle English from Anglo-Saxon and its relation to Modern English. (Not offered 1917-18.) Miss PERKINS. *Three hours, first semester.*

27. **Chaucer**—As much of Chaucer's work will be read as time will permit, with careful attention to his sources of material, poetical forms, pronunciation, and grammar. Monday, Wednesday and Friday at 11. Miss PERKINS.

*Three hours, second semester.*

28. **History of English Language**—The development of the English language from the Anglo-Saxon period to the present time. The historical basis of English grammar, spelling, pronunciation, and usage. Tuesday and Thursday at 11. Miss PERKINS. *Two hours, first semester.*

## ENGLISH LITERATURE

Professor HOWE Miss WATSON Miss BELL

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule. See announcement, page 86.**

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

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 thot 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 thot and sympathies. For graduates and advanced undergraduates. Monday, Tuesday and Thursday at 8. Miss WATSON. *Three hours, second semester.*

41. **The Romantic Poets**—Wordsworth, Coleridge, Southey, Scott, Byron, Shelley, Keats, Hunt, Hood, Landor. For graduates and advanced undergraduates. Monday, Tuesday and Thursday at 8. Miss WATSON. *Three hours, first semester.*

42. **The Victorian Poets**—Browning, Barrett-Browning, Tennyson, Rossetti, William Morris, Swinburne, Matthew Arnold, DeVere. For graduates and advanced undergraduates. Monday, Tuesday and Thursday at 8. Miss WATSON.

*Three hours, second 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 ad-

vanced 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, Mill and Huxley are read. 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. *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, H. G. Wells, 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. *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. *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. Not given in 1917-18. 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. Not given in 1917-18. Professor HOWE. *Three hours, second seemster.*

(Courses 52-53 and 54-55 are given in alternate years. During 1917-18 the courses given will be 52-53.)

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 Nineteenth 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 1917-18.

*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.*

RECOMMENDATION OF TEACHERS

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 (freshmen) | 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 |
| Journalism | 2 | 6 |

## FRENCH

(See Romance Languages)

## GEOLOGY

Professor SMITH Assistant Professor PACKARD

Mr. NELSON

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule. See announcement, page 86.**

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 University of Oregon Bulletin on Vocations.

For those who intend to specialize in geology, the following four-year course is suggested. 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.

For more complete statement of the work in this department and for a description of the collections, see University of Oregon Publications (new series), Volume I, No. 3. (Guide to the Condon Geological Museum.)

COURSE OF STUDY SUGGESTED FOR STUDENTS SPECIALIZING IN GEOLOGY

Freshman—

| | |
|---|---|
| Trigonometry and Analytic Geometry | 3-5 hours |
| French or German | 3-5 hours |
| English Composition | 3 hours |
| Personal Hygiene | 1 hours |
| Chemistry | 4 hours |
| | 16 |

Sophomore—

| | |
|---|---|
| Botany and Zoology | 4 hours |
| French, German or Spanish | 3 hours |
| American or English Literature | 2 hours |
| Mineralogy or Physics | 3 hours |
| Geology or Physiography | 3-4 hours |
| | 16 |

Junior—

| | | |
|---|---|---|
| Descriptive Geometry | 2 | hours |
| Meteorology or Spanish | 2-3 | hours |
| History or Economics | 3 | hours |
| Elementary Paleontology or Petrology | 2 | hours |
| Quantitative Analysis or Assaying | 3 | hours |
| Elective | 3 | hours |
| | 16 | |

Senior—

| | | |
|---|---|---|
| Field Work, Geology, and Field Astronomy | 2 | hours |
| Psychology or Philosophy or Sociology | 2-3 | hours |
| Technical Writing | 1 | hour |
| Advanced Paleontology | 2-3 | hours |
| Economic Geology | 3 | hours |
| Elective | 4 | hours |
| | 16 | |

Master of Arts—

Thesis in Geology.

Seminar in Geology, Advanced Geology or Paleontology.

Minor in some other subject.

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

1. **Geology**—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 semsters. One laboratory period of two 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 topographic 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 iden-

tification. 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, tho a knowledge of physics, chemistry and mineralogy would be very desirable, training in these subjects is not a prerequisite. One 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.*

8a. **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.*

8b. **Paleontology of Man**—A study of man and his activities from a geological standpoint. The typical occurranecs, and modes of preservation of human remains and artifacts and the relationship of early man to the modern races will be considered. *Two hours, second semester.*

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 thoro 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 rocks 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 department also has the use of a very fine collection of rocks (the well-known Krantz European types), and a fine set of minerals, collected by Wilke, which have been loaned to the University of Mr. H. M. Lawrie, chairman of the State Bureau of Mining and Geology Commission.

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

RECOMMENDATION OF TEACHERS

| | Catalog No. of Course | Semester Hours |
|---|---|---|
| Geology | 1 | 6 |
| Physiography (second semester) | 2 | 4 |

## GERMANIC LANGUAGES AND LITERATURE

Professor SCHMIDT — Professor THORSTENBERG
Assistant Professor SCHWARZ — Miss BASLER

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule. See announcement, page 86.**

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 English is required.

**Required of those intending to teach German; can also be taken in Junior year.

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, 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 had only one year in high school. Credit in the course is estimated wholly on this basis. Daily at 8. Assistant Professor Schwarz.

*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) thruout 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 Traeumerein; Keller's Das Faehnlein der sieben Aufrechten; Meyer-Foerster's Karl Heinrich; Frietag'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 Assistant Professor SCHWARZ.

*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 Rathherr, Das Spielmanns Kind; Scheffel's Ekkehard; Wildenbruch's Der Letzte; Dahn's Sigwalt and Sigridh; Meyer's Gustav Adolph 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); Gutzhow's Zopf und Schwert, Uriel Acosta, etc. Monday, Wednesday and Friday at 9. Professor THORSTENBERG.

*Three hours, both semesters.*

6. **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, both semesters.*

7a. **Goethe's Faust**—Part I, with commentary. Friday at 8, and Tuesday at 2. *Two hours, first semester.*

7b. **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. Assistant Professor SCHWARZ.

*Two hours, second semester.*

9. **Historical and Philosophical German**—This course consists of the rapid translation of modern historical, philosophical 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 deutschen Vergangenheit; Seiler, Die Heimat der Indogermanen; Schiller's Gedichte des dreissigjaehrigen Krieges; Haeckel's Weltraetsel; Eucken's Der Sinn des Lebens (1908), or Die Lebensanschauungen der brossen Denker (1911), 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 in taeglichen Leben; Brewr's Naturlehre; Greenfiield's Technical and Scientific German; 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 thoro preparation in literary German. Tuesday and Thursday at 9. Professor THORSTENBERG. *Two hours, both semesters.*

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. Assistant Professor SCHWARZ.

*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 twenty 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. Wednesday and Friday at 8. Professor SCHMIDT. *Two hours, second semester.*

13. **Advanced German Composition**—Poll's or Jagemann's Materials for Prose Composition. Assistant Professor SCHWARZ.

*Two hours, both semesters.*

14. **German Conversation**—Open to all students who have had Courses 1 and 2, and required of all students who wish to teach German. Tuesday and Thursday at 1. Assistant Professor SCHWARZ. *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 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 H'storical 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 Litteratur, Franke's History of German Literature are used as text-books. 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, or En glad Gut; Lie's Fortællinger; 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 Pojker; 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

*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.*

RECOMMENDATIONS OF TEACHERS

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

| | Catalog No. of Course | Semester Hours |
|---|---|---|
| Elementary German | 1 | 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 1; 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 thoro 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)**—Books 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. Monday, Tuesday, Thursday and Friday at 10. *Four hours, first semester.*

4. **Homers' Iliad**—(Seymour) Books I and 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. Monday, Tuesday, Thursday and Friday at 10.

*Four hours, second semester.*

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

6. **Hellenistic Greek (continued)**—Selected portions of the New Testament. Selections from Septuagint will also be offered. Tuesday, Wednesday, Thursday and Friday at 11.

*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 Adams'). 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 semeter*

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 thot:

13. **Greek Mythology**—Textbook (Guerber). Collateral reading: Bulfinche's Age of Fable. Informal talks. Tuesday at 2.

*One hour, first semester.*

14. **History of Greek Art**—(Tarbell) Greek Sculpture (Gardner). Tuesday at 2. *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

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule. See announcement, page 86.**

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 at least

twenty hours in the department, carrying courses fitting them especially to teach the work ordinarily given in the high schools. A part of this work must have been in European history and a part in American history. The courses will be assigned to the individual candidate on application to any member of the department, the assignments being based in part upon the student's high school preparation.

### 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, 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, Historical Geography, Industrial History of Europe, Europeon Diplomacy, and all the courses in American History, seem specially suited to meet the needs of students in Commerce.

### Shedule of Courses

#### Lower Division

1. **The Great Historians**—The aim of this course is two-fold. 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 thru the great historians of ancient and modern times. Tuesday, Thursday and Friday at 10. Freshman course.

*Three hours, both semesters.*

2. **Modern European History**—The history of Europe from the French Revolution to the Great War. Monday, Wednesday and Friday at 9. Begins each semester. Freshman course. Professor CLARK. *Three hours, both semesters.*

3. **History of England**—A general survey of English history with emphasis on social conditions. Of special value to students of English literature. Wednesday and Friday at 8. Freshman course. Mr. O'HARA. *Two hours, both semesters.*

4. **Industrial History of Europe**—A study of the development of industry and commerce in Europe since the beginning of sixteenth century. Monday, Wednesday and Friday at 9. Specially suitable as preparation for commerce. Mr. O'HARA. *Three hours, first semester.*

5. **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.*

6. **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.*

Upper Division

101. **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. Mr. O'HARA. *Three hours, first semester.*

102. **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. Monday, Wednesday and Friday at 1. Mr. O'HARA. *Three hours, second semester.*

103. **Renaissance and Reformation**—The period covered by this course extends from the beginning of the fourteenth to

the middle of the 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.*

104. **The French Revolution and Napoleon**—A study of the conditions accountable for the revolution and its social, political, economic and religious phases, followed by a study of Napoleon and his period. Monday, Tuesday and Thursday at 8. Professor CLARK. *Three hours, second semester.*

105. **Historical Geography**—A study of the influence of geography upon history. Monday, Wednesday and Friday at 9. Mr. O'HARA. *Three hours, second semester.*

106. **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. *Three hours, first semester.*

107. **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. Tuesday, Thursday and Friday at 10. Professor SCHAFER. *Three hours, second semester.*

108. **American Statesmanship and Statesmen**—The history of the United States from 1789 to the present time will be examined in the light of the men who developed the national policies and personalized the national ideals. Special attention will be given to the careers of Washington, Hamilton, Jefferson, Clay, Webster, Calhoun, and Lincoln. More recent statesmen will be discussed briefly. Monday and Wednesday at 8. Professor SCHAFER. *Two hours, both semesters.*

109. **European Diplomacy**—A history of the relations of the European powers since 1870 and the diplomatic negotiations leading up to the Great War. Monday, Wednesday and Friday at 11. Professor CLARK. *Three hours, first semester.*

110. **American Diplomacy**—A history of the relations of the United States with other powers and of the development of American foreign policy, from 1789 to entrance into the Great War. Monday, Wednesday and Friday at 11. Professor CLARK.
*Three hours, second semester.*

111. **Lectures on Current Topics**—Tuesday at 1. Professors SCHAFER, CLARK and O'HARA. *One hour, each semester.*

112. **Hebrew History**—Monday and Friday at 3. Professor SCHAFER. *Two hours, second semester.*

113. **History Club**—Wednesday at 7. For major students.
*One hour, one semester.*

114. **Peace and War**—History of causes and consequences of war, and the movement for peace. Tuesday and Thursday at 9. Professor CLARK. *Two hours, second semester.*

GRADUATE DIVISION

201. **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 for graduate students. Tuesday and Thursday at 11. Professor SCHAFER.
*Two hours, both semesters.*

202. **Latin-American History**—An account of the political and economic development of the twenty Latin-American republics during the last hundred years, preceded by historic background furnished by the Spanish and Portuguese conquest and occupation. Present-day economic and social conditions will also receive attention. Tuesday and Thursday at 9. Professor CLARK.
*Two hours, first semester.*

## HYGIENE AND PHYSICAL EDUCATION

MABEL LOUISE CUMMINGS MISS THOMSON
MISS GOLDSMITH MISS RADER
HYGIENE AND PHYSICAL EDUCATION

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule See announcement, page 86.**

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, one hour of Personal Hygiene which consists of individual or class work in physical training arranged after thorough physical examination. During the sophomore year three hours physical training are required. This practical work ranges from the most strenuous sports, like basketball and swimming, through gymnasium class work. 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. **Corrective or Restricted Work**—Prescriptions are made out for those who for physical reasons are unable to take the

regular class work or who have defects which can be corrected or improved. Individual instruction is given.

*Three periods, both semesters.*

4. **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.*

5. **Advanced Dancing**—A continuation of Course 5. Open only to those who have completed Course 4 or its equivalent.

*Three periods, both semesters.*

6. **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.*

7-A. **Advanced Gymnastics**—The more difficult forms of free exercise, marching and apparatus work adapted from the Swedish system of gymnastics. Ropes, stall bars and boom.

7-B. **Advanced Gymnastics**—Military marching, floor tactics, rhythmic exercises with wands, clubs and dumbbells; heavy apparatus work. Ladder, horse and rings.

These two courses are given in alternate years for students majoring in Physical Education. Three periods each week.

*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 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.*

20. **History of Physical Education**—A study of historical methods by which health and physical efficiency have been maintained through exercise. Physical education as carried on by the Greeks, the Germans and the Swedes is given attention.

*One hour, first 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 | | K 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 |
| Emergencies and Bandaging | 1 | Technique of Teaching | 1 |
| History of Physical Education | 1 | History of Physical Education | 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 |
| | 15 | Elective | 3 |
| | | | 16 |

Physical Education 3 and Swimming.

### Senior Year

| First Semester | Hours | Second Semester | Hours |
|---|---|---|---|
| Theory of Physical Education | 3 | Theory of Physical Education | 3 |
| Theory of Corrective Gymnastics | 3 | Theory of Corrective Gymnastics | 3 |
| Anthropometry and Physical Examination | 2 | Electives and Teaching | 10 |
| Electives and Teaching | 7 | | 16 |
| | 15 | | |

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.

## HOUSEHOLD ARTS

Professor LILLIAN TINGLE.

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule. See announcement, page 86.**

Courses in household arts are offered as a part of liberal education for women. It is expected that an elementary knowledge of both sewing and cooking will be presented for admission to the household arts courses in the University.

During 1917-18 major students in this department will be limited to those upper-classmen who have had sufficient courses in household arts of college grade, to make possible their earning a minimum of 20 hours before graduation. Freshmen and sophomores who intend to major in household arts are advised to take as many as possible of the following general courses in addition to at least two elementary courses in the department:

Practical Ethics, one hour.
Vocational Problems, one hour.
Personal Hygiene, one hour.
English Composition, one year-course.
Modern Language, two year-courses.
English Literature, one year-course.
Chemistry, eight hours.
Physics, eight hours.
Social Science, four or six hours.
Biological Science, one course.

The following courses will be offered by the department in 1917-18. Additional courses will be announced later. Closely allied courses given in other departments are also listed below.

### COURSES IN HOUSEHOLD ARTS

1. **Elements of Cookery**—This course includes a general survey of the elementary problems of cookery, with an introduction to planning and serving meals in the home. Elementary chem-

istry, physics and biology are desirable preliminary or parallel courses. Hours to be announced later.

*Four hours, each term.*

2. **Elementary Food Economics**—This is an elementary course designed for students who have not taken the science courses that are prerequisite to the course in Food and Nutrition. It includes a discussion of the functions and nutritive values of foods, the feeding of families and groups, with particular reference to nutritive requirements and the cost of food in relation to the family budget. An elementary knowledge of cookery is expected as prerequisite to this course. Hours to be announced. *Three hours, one term.*

3. **Food and Nutrition**—This course offers a survey of the nutritive values of foods and the nutritive requirements of the body. In the laboratory, food values are studied quantitatively and problems in dietaries for different ages and conditions are worked out concretely. General chemistry and physiology, and if possible, organic and physiological chemistry and prerequisite to this course. Hours to be announced.

*Three hours, two terms.*

4. **Food Economy in War Time**—This is a special course for the study of food problems due to the war. It includes discussion of foods available, and of their comparative food values in relation to their cost; economy in the purchase and use of foods; use of garden products; preservation of foods; economy through the elimination of unnecessary consumption of food, of small economies and of careful preparation and well planned menus; a study of the special needs of children and infants. Cooking for the sick. An elementary knowledge of cooking is expected as a prerequisite to this course. Hours to be announced. *Two hours, each term.*

Closely allied courses in other departments, most of which will be accepted for credit in this department, are:

**History of Arts**—(See Architecture and Allied Arts.) Mrs. PENNELL.

3. **The Home**—This course deals with the site, plan, and construction of the house—that house to be a home. Tuesday, Thursday and Friday at 10:00. Mrs. PENNELL.

*Three hours, first semester.*

8. **Furnishing the House**—This course is designed to be supplementary to the course in The Home. It will include a study of household furnishings and household administration from both the economic and decorative point of view. Tuesday at 9:00. Professor SWEETSER. *One hour, first semester.*

BOTANY. Professor SWEETSER

11. **Sanitary Hygiene and Household Sanitation**—The economy of the microbes, pure water, pure air, pure milk, and pure food. Lectures. Open to all. Tuesday and Thursday at 11:00.

*Two hours, first semester.*

COMMERCE. Professor MORTON.

131. **Household Budget-making**—This course deals with household accounting and includes instruction in the general principles of business which are necessary for efficient home keeping. The course will include a discussion of the amount that should be set aside for various expenses, such as furnishing, life insurance, living expenses, etc. The importance of an inventory and the ways of taking one will be studied, as well as the reconciling of an account with a back statement, the cash book, expense record, etc. Hour to be announced.

*One hour throughout the year.*

PHYSICS. Professor BOYNTON.

1 and 2. **Essentials of Physics**—A general non-mathematical course, open to all students. This course deals with familiar phenomena and application taken from common life and the home. Such household appliances as the vacuum sweeper, electric stove, meter, and other electric equipment, heating and lighting and plumbing devices, etc., are studied.

Lectures, recitations and one laboratory period per week. Tuesday and Thursday at 9. Laboratory one afternoon 1 to 4.

*Three hours, both semesters.*

CHEMISTRY. Professor STAFFORD.

1. **General Chemistry**—This course or a satisfactory equivalent is prerequisite for all other work in the department of chemistry. 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. This course is a prerequisite to advanced courses in Household Arts, as well as to organic and physiological Chemistry, which are required for work in dietetics. It includes much that is of immediate practical value, such as a knowledge of the chemistry of cleaning agents, as well as a basis of theoretical knowledge for advanced work. Lectures on Monday, Wednesday and Friday at 11; laboatory periods 1 to 4, Wednesday, Thursday or Friday. *Four hours, both semesters.*

ZOOLOGY. Professor BOVARD.

11. **Elementary Physiology**—A course in the elements of Physiology, designed as a general cultural course and for those who intend to teach Science in the high schools, or who are taking Household Arts. The work will consist of recitations, lectures on special topics, and simple experiments. Open to all. Lectures 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.

ARCHITECTURE.

8. **Domestic Architecture**—Site, landscaping, exterior, plan. Professor LAWRENCE and special lecturers. Lectures and drawing. *One hour, first semester*

9. **Domestic Architecture**—Details, interior decoration, furniture. Professor LAWRENCE and special lecturers. Lectures and drawing. *One hour, second semester.*

10 and 11. **Domestic Architecture**—Specifications and working drawings. Throughout the year. Professors ADAMS and LAWRENCE. Lectures and drawing. *One hour, both semesters.*

93 and 94. **Theory and Processes of Decorative Art**—Throughout the year. Professor SCHROFF. *Two hours, each semester.*

97 and 98. **Art Appreciation**—Throughout the year. Mr. EATON. Lectures and laboratory. *Two hours, each semester.*

Numerous other courses are of particular value to women in various directions of study. The head of this department and lower division advisers will be prepared to make recommendations to meet the needs in individual cases.

## LATIN LANGUAGE AND LITERATURE

Professor DUNN Mr. CLARK

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule. See announcement, page 86.**

### COURSES PRIMARILY FOR UNDERGRADUATES

1. **Beginning Latin**—Daily at 8. *Five hours, first semester.*

2. **Caesar's Gallic War, Books I, II, 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. *Four 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' 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, Quintillian's Book X of the Institutions, and Tacitus's Dialogus.

18. **Roman Philosophy**—Monday, Wednesday and Friday at 11. *Three hours, second semester.*

Lectures covering the chief system 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. *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 valuable 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 — Professor Winger
Professor McAlister — Mr. Kronenberg

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule. See announcement, page 86.**

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 schools 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, Tuesday and Thursday at 8. Professor Winger. *Three hours, one semester.*

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, one semester.*

*A five hour course, daily at 8 the first semester, will cover the work of Course 1 (b) and the necessary review for students of Commerce entering with but one year of Algebra.

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, Tuesday and Thursday at 8. Professor DeCou. *Three hours, second semester.*

2. **Advanced Algebra, Trigonometry and Analytical Geometry**—An introductory course. Open to freshmen. Tuesday, Wednesday, Thursday and Friday at 8. Professor Winger.

*Four 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. Tuesday, Wednesday, Thursday and Friday at 9. Professor DeCou.

*Four 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 application to problems of Physics and Chemistry; the development of infinite series; elements of Differential Equations; Fouriers' Theorem; Theory of Probability and adjustment of errors; Calculus and 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 of 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. 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. Hours to be arranged. *Three hours, both semesters.*

14. **Theory and Functions of a Complex Variable**—Hours to be arranged. *Three hours, one semester.*

15. **Analytical Trigonometry**—Not given in 1917-1918. 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 Plucker'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. *Two hours, both semesters.*

19. **Non-Euclidean Geometry**—A study of the essential features of the geometries of Lobachevsky and Riemann, including non-Euclidean Trigonometry. A critical reading of standard texts, the history of the parallel postulate, foundation of geometry. Prerequisite, Mathematics 2, 4, 16. 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 Germanv, is an important adjunct of 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 coincoids 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 epexcting to teach Mathematics as a minor subject should elect the following courses:

RECOMMENDATION FOR TEACHERS

| | Catalog No. of Course | Semester Hours |
|---|---|---|
| Advanced Algebra and 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.

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule See announcement, page 86.**

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 course 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 of 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, nebulae, the galary of 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

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule See announcement, page 86.**

1. **Introduction to Philosophy**—The aim of this course will be less the opening up of 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 10. *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 9. *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 Friday at 9. *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 10.
*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 and assigned readings. Properly a senior course. Tuesday and Thursday at 11.
*Two hours, first semester.*

6. **Present Day Thought**—With special reference to the philosophies of James, Eucken and Bergson. Lectures and assigned readings. A senior course. Tuesday and Thursday at 11.
*Two hours, second semester.*

## PHYSICAL EDUCATION—MEN

HUGO BEZDEK, Director W. L. HAYWARD
EDGAR W. SHOCKLEY

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule See announcement, page 86.**

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 spirt 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 be able to swim a distance of 50 yards 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.

In addition to the above work, military drill will be required of freshmen and sophomore under supervision of a United States officer.

The following courses are offered:

101. **Elementary Gymnastics**—Freshman athletics; fundamentals of outdoor and indoor sports; aquatics. Three hours per week.

102. **Advanced Gymnastics**—Aquatics, varsity athletics, intramural competitive sports. Three hours per week.

103. **Special Corrective Exercises.**

104. **Advanced Technique**—Four hours per week. Prerequisite, courses 1, 2 and 5.

105. **Personal Hygiene**—Lectures upon fundamental laws of efficient living. Required of all freshmen.

*One hour, both semesters.*

106. **High School Coaching**—Lectures and practical work designed for teachers of physical education, i. e., football, base ball, basketball, track; participation upon varsity or intramural team. Prerequisite, courses 101, 102 and 105.

*Two hours, both semesters.*

107. **Military Drill and Instruction**—Directed by a U. S. officer. *Five hours per week.*

## PHYSICS

Professor BOYNTON Assistant Professor CASWELL
Mr. WELLS

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule. See announcement, page 86.**

Courses 1 and 2 form the most elementary course offered by the department and are adapted to the needs of those who wish a knowledge of the physical principles underlying the phenomena of daily life, and the more common applications. 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 42 and 43 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 advanced group are primarily for advanced undergraduates, but are acceptable as minor work, or to a limited extent as major work, for an advanced degree. Those of the graduate group are for graduate and advanced undergraduate students, suitable for major work for an advanced degree.

All the courses of the elementary group and some of those of the advanced group are given every year; the balance of the advanced courses and those of the graduate 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 unsual breakage or articles lost or taken from the laboratory, is at the rate of $2.50 for each semester hour of credit.

### Elementary Courses

1. **Essentials of Physics**—Mechancis, molecular physics, heat and sound. A general nonmathematical course, open to all students. Lectures, recitations and one laboratory period per week. Monday, Wednesday and Friday at 9. Laboratory one afternoon 1 to 4. Professor Boynton.

*Four 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.

*Four 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.

ADVANCED 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 of Psychology of Music, in the second semester. Wednesday and Friday at 8. 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**—Prerequisites, 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, the intensity and distribution of illumination and efficiency of incandescent lamps, and the magnetic properties of iron. Not given in 1917-18. Professor BOYNTON.

*Three hours, first semester.*

14. **Electrical Measurements**—A continuation of Course 13, taking up the measurement of capacities and inductances, an

introduction to alternating current theory and measurement, electric oscillations and waves, and wireless telegraphy. Not given in 1917-18. 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. Tuesday and Thursday at 11. 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 labora tory. 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. Tuesday and Thursday at 11. 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. Tuesday and Thursday at 11. 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, terrestrial magnetism, aurora and sun spots. Not given in 1917-18. Professor CASWELL. *Three hours, first semester.*

20. **Theory of Light**—Lectures wth 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. Not given in 1917-18. Professor CASWELL. *Three hours, second 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.

GRADUATE COURSES

**Note**—A year of College Physics and the Differential and Integral Calculus are prerequisites to the courses of the Graduate Group. A reading knowledge of German is also desirable, especially for Courses 39, 40.

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. Monday, Wednesday and Friday at 11. 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. Professor BOYNTON.

*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**—Conference and reports on assigned topics and current periodical literature. Professors BOYNTON and CASWELL.

### Equipment

The laboratories and their equipment are described on p. 39. The lecture rooms have their special equipment of illustrative apparatus, including projection lanterns and a large and growing collection of lantern slides.

### Recommendation of Teachers

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

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule. See announcement, page 86.**

Courses in Political Science are not open to freshmen. Course 1 is prerequisite to all other courses in the department except Course 4. Graduates and seniors receive no credit for elementary courses. Courses 1, 2, 3 and 5 are prerequisite for recommendation from the department for teaching Civics in high schools.

### I. Elementary Courses

1. **American Federal Government**—The federal government with special attention to practical operations and contemporary reforms. Tuesday, Thursday and Friday at 10.

*Three hours, first semester.*

2. **American State and Local Governments**—The state and local governments, with special attention to practical operations and contemporary reforms in Oregon. Tuesday, Thursday and Friday at 10. *Three hours, second semester.*

3. **European Governments**—The organization and operation of the governments of England, France, Germany and Switzerland, with special attention to the government of England. Monday, Wednesday and Friday at 11. *Three hours, first semester.*

4. **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. Practice in the use of cases. Monday, Wednesday and Friday at 9. *Three hours, first semester.*

II. Advanced Courses

5. **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 4. Monday, Wednesday and Friday at 9. *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, Tuesday and Thursday at 8. *Three hours, first semester.*

7. **Law of Municipal Corporations**—The principles of the law of municipal corporations. Chiefly a discussion of leading cases. Open to students credited with at least one course in law. Monday, Tuesday and Thursday at 8. (Omitted 1917-18.) *Three hours, second semester.*

8. **International Law**—The general principles of international law. It is desirable that this course be preceded by Political Science 4. Monday, Tuesday and Thursday at 8. (Omitted 1917-18.) *Three hours, second semester.*

9. **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, Wednesday and Friday at 11. *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 *Three hours, second semester.*

## PSYCHOLOGY

Professor CONKLIN Dr. WHEELER

Miss HAGER

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule See announcement, page 86.**

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 phenomena 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 in most of the groups of mental processes mentioned above. May be taken either as a semester or year course. One or two hours. Hours to be arranged. Dr. WHEELER.

3a. **Systematic Psychology**—Given for advanced undergraduates, major and graduate students. First semester; physiological Psychology—a thorough systematic review of the structure and functioning of the nervous system and physiology of the sense organs insofar as is necessary for an understanding of human behavior; recent studies of muscular and organic reflexes from recent experimental work of Sherrington, Cannon, Pavlov and others. Second semester—a comparative study of various psychological systems, including modern tendencies toward behavioristic and physiological interpretations of mental life. An historical study of the more vital problems of experimental psychology, such as attention, affection, emotions, sensation, will, learning and the higher intellectual processes. Open to seniors and graduate students without prerequisite, and to juniors who have had Elementary Psychology. Tuesday, Thursday and Friday at 10. Dr. WHEELER. *Three hours, both semesters.*

3b. **Advanced Laboratory**—Supplementary to 3a 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. 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, hystria, 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. Omitted 1916-17. Probably given 1917-18. 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 psychology, anthropology, sociology, crime, religion, philosophy and education. G. Stanley Hall's Adolescence is used as a text-book. Open only to qualified juniors and seniors. Tuesday and Thursday at 11. 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 the results of the more important researches in this field. Dr. WHEELER. *Two hours, first semester*

9. **Psychology of Music**—Designed especially for students interested in music and for majors in the School of Music, and given as a sequel 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, second 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.*

**Psychology Seminar**—One hour a week is devoted to topics and problems of interest to students of Psychology. Members of the department, instructors and students, report on some subject of current interest, after which the topic is thrown open for general discussion and criticism. The report usually takes the form of a review of some recent publication such as a psychological text, monograph or popular magazine article. Students are encouraged to submit suggestions for seminary discussions. Tuesday at 4. No credit.

For courses in Educational Psychology, see announcements of the School of Education.

### GRADUATE STUDENTS

Courses 3a, 3b, 4, 5, 6, 7, 8 and 9 above mentioned are desigend for either advanced undergraduates or for graduate students. Where they are taken for credit toward the advanced degree, special assignments will be given.

### 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 dol-

lars and a half each semester, for Course 3b. 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; 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

Catherine Cogswell Thorne

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule** **See announcement, page 86.**

1. **Public Speaking**—A foundation course in practical public speaking. The objective of the course is the training of students to express themselves in an effective manner whenever the occasion demands, especially under emergencies in

social, business or higher professional life. The emphasis, while not neglecting delivery, is especially placed on matter and rhetorical form for the effective spoken word. Students are early impressed with the basic necessity of having facts, of clear and cogent thinking upon them, and of careful phrasing of ideas. They are also impressed with the necessity of knowing and realizing these other attributes of effective speaking: an analysis which fits subject matter and treatment to the audience, and methods of proof which realize the greatest value from facts. As students begin to show a grasp of these fundamentals, the adjuncts of effective speech are gradually added. For illustrative purposes model speeches are studied, supplementing lectures, text book study, and assigned readings. As much stress as possible is laid upon the actual speech practice by the students themselves. This speech practice is given in both lecture and laboratory periods. This course is recommended to those students who should not be content to remain in oblivion in community life. It is designed materially to help in qualifying for leadership, and it is the basic course in speech arts for those whose professions take them into public life. Three divisions, all open to freshmen. 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. **Intercollegiate Debate**—Members of this class are selected by arbitrary appointment and by competitive tryouts at the beginning of the fall semester. As a rule Public Speaking 1 is prerequisite, but others who can show marked scholarship and good speaking ability are eligible. The class comprises the squad from which later in each semester representatives are selected for the various intercollegiate debating teams. The teams themselves, when finally appointed, receive intensive training in debating, but all members of the squad from the start are put into the actual work of gathering and classifying evidence, making the analysis, and using material gathered to complete the proof. The full extempore speech

method is practiced at all times. A part of the work for the members of this class in the second semester is the coaching of the various intra-mural debating teams on the campus. Professor PRESCOTT. *Three hours, both semesters.*

4. **Intercollegiate Oratory**—Members of the class are selected as in Course 3. From this squad the intercollegiate orators are chosen. The course is one in practical, simple, but compelling modern day oratory. The study is one of conviction and persuasion as a means to action. The fundamental basis is written composition, showing the substance of any powerful written argument, but also the rhetorical form which often must be peculiar to the effective spoken word. With this composition as a basis, laboratory practice is had for effective delivery. Courses 1 and 2 are strongly recommended as prerequisites. Professor PRESCOTT. *Two hours, both semesters.*

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 students preparing for further work in dramatic interpretation. Professor REDDIE and Mrs. THORNE. *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 interpretation. Professor REDDIE and Mrs. THORNE. *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 Univer-

sity of Oregon Drama Guild, an organization composed of the members of the University faculty and representative citizens. Professor REDDIE and Mrs. THORNE.

*Three hours, both semesters.*

9. **Dramatic Interpretation**—Open to those who have made satisfactory grades in No. 8. This course is devoted exclusively to the production of classical drama. 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 mechanics of the stage, as well as the technique of interpretation. In Courses 7, 8 and 9 there is a laboratory fee of two dollars a year, payable at the time of enrollment. In Course 6 the fee is one dollar a year.

## ROMANCE LANGUAGES AND LITERATURES

Professor CLORAN Professor HARTHAN

Miss GRAY

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule See announcement, page 86.**

Lower Division Courses.

### FRENCH

1. **Elementary French**—Olmsted's French Grammar, composition, conversation. 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, conversation. 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. Professor CLORAN. *Four hours, both semesters.*

Upper Division Courses.

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. Professor CLORAN.

*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, Beaumarchias, Chateaubriand, Beranger, Alfred de Musset, Alfred de Vigny, Lamartine, Gautier and Victor Hugo. Course 4 alternates with Course 3. Professor CLORAN. *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 two years 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. Professor CLORAN.

*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 Le 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. Not given in 1917-1918. Professor CLORAN.

*Three hours, both semesters.*

SPANISH

Lower Division Courses.

1. **Elementary Spanish**—Olmsted's 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. Professor HARTHAN. *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. Wednesday, Friday at 8. Professor CLORAN.

*Two hours, both semesters.*

2a. **Spanish Conversation**—Open to students who have had Course 1 or two years of high school Spanish. Professor HARTHAN. *Two hours, both semesters.*

2b. **Commercial Spanish**—Open to students who have had Course 1 or two years of high school Spanish. Professor HARTHAN. *Three hours, both semesters.*

Upper Division Courses.

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. Professor CLORAN.
*Two hours, both semesters.*

4. **Spanish Poetry**—Open to students who have had two years of Spanish. *Two hours, both semesters.*

5. **Spanish Composition**—Open to students who have had two years of Spanish. *Two hours, both semesters.*

### ITALIAN

Upper Division Courses.

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. Professor CLORAN. *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. Professor CLORAN.
*Two hours, both semesters.*

3. **Dante and Tasso**—The works of Dante and Tasso in English translations. Professor CLORAN.
*Two hours, both semesters.*

### PORTUGUESE

Upper Division Course

4. **Branner's Portuguese Grammar**—Reading of prose and poetry. Open to students who have had two years of Spanish. Professor CLORAN.

### RECOMMENDATION OF TEACHERS

Students who are planning on teaching either French or Spanish should take the following courses:

FRENCH

| | Catalogue 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 |

## SCANDINAVIAN LANGUAGES

(See Germanic Languages.)

## ZOOLOGY

Professor BOVARD Assistant Professor EDMONDSON

Laboratory Assistants:

Miss HALL Miss SWINSON Mr. BRUNKOW

MR. SHELTON MR. SIMPKINS

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule. See announcement, page 86.**

(a) **Introductory Courses** in general Zoology and Elementary Physiology for students seeking general culture. Zoology 1, 2, 7, 8, and 12.

(b) **Teachers' Courses** for those who expect to teach Science in the high schools, more especially Physiology. Zoology 7, 8, 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 Courses.** The minimum requirements as laid down by the American Medical Association for entrance into a standard medical school are as follows: a two-year college course which shall include at least one year of Physics, one year of Biology, two years of Chemistry, and a reading knowledge of either French or German.

For entrance into the University of Oregon Medical School Organic Chemistry is required.

Pre-Medical Courses given at the University of Oregon. The aim of the course as outlined below is first to satisfy the requirements of the American Medical Association, and second to give the student the very best training to fit him for his future work. It is distinctly understood the courses taken at Eugene are in no way a duplication of the work given in the medical school and that they are intended to give the elements on which future work will be founded.

| Two-Year Pre-Medic Course— | 1st Sem. | 2nd Sem. |
|---|---|---|
| Freshman Year— | | |
| Zoology 1 and 2 | 4 hrs | 4 |
| Chemistry 1 | 4 | 4 |
| English Composition 1 | 3 | 3 |
| German or French 1 | 5 | 5 |
| Practical Ethics | 1 | 1 |
| | 17 hrs | 17 hrs |
| Sophomore Year— | | |
| Zoology 14 | 4 | |
| Zoology 4 or 6 | | 4 |
| Chemistry 5 | 4 | 4 |
| German 2 (French 2) | 4 | 4 |
| Physics 3 | 4 | 4 |
| | 16 | 16 hrs |

**Three Year Pre-Medic Course.** (Leads to the B. A. Degree after the completion of the first year in the Medical School.)

The first two years are as above.

| | | |
|---|---|---|
| Junior Year— | | |
| Zoology (Elective) | 4 | 4 hrs |
| Psychology 1 | 3 | 3 |
| Electives—Economics | | |
| Sociology | | |
| History | | |
| Bacteriology | | |
| English Literature | | |
| Scientific German | | |
| Etc. Etc., | 9 | 9 |
| | 16 | 16 hrs |

**Note**—For further information concerning Pre-Medical Department, see pages .... ....

1. **Invertebrate Zoology**—Two lectures and two laboratory periods. 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, Monday and Friday at 10:00 a. m.

Laboratory, Three Sections—

Section I—Tuesday, Thursday, 10:00-12:00 a. m.
Quiz, Tuesday, Thursday, 3:00 p. m.

Section II—Monday, Friday, 1:00-3:00 p. m. Quiz at 3:00 p. m.

Section III—Tuesday, Thursday, 1:00-3:00. Quiz, 3:00 p. m.

*Four hours, first semester.*

2. **Vertebrate Zoology**—Two lectures and two laboratory periods. A continuation of Course 1, with special emphasis upon the comparative anatomy of vertebrates. Prerequisite to all higher courses in the department. Open to all. Lectures Monday and Friday at 10:00 A. M. Laboratory three sections—

Section I—Tuesday, Thursday, 10:00-12:00 A. M. Quiz, Tuesday, Thursday, 3:00 P. M.

Section II—Monday, Friday, 1:00-3:00. Quiz at 3:00 P. M.

Section III—Tuesday, Thursday, 1:00-3:00. Quiz at 3:00 P. M.

*Four hours, second 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, second 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.*

*This course given alternately with Histology.

7. **General Physiology**—Three lectures and one laboratory period. For students in General Cultural Courses, Physical Training and Pre-Medic Courses. Prerequisite: Zoology 1 and 2. Other courses advised, as preparation for this course, Chemistry, Physics, Anatomy, Histology, Embryology.

Lecture, Monday, Tuesday, Thursday, 8 A. M. Laboratory period, Wednesday, 1 to 4 P. M. *Four hours, first semester.*

8. **General Physiology**—Three lectures and one laboratory period. (Continuation of Course 7, but may be taken without 7.)

Lecture, Monday, Tuesday, Thursday, 8 A. M. Laboratory period, Wednesday, 1 to 4 P. M. *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 in 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.

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. Prerequisites: Course 1 will be accepted as the minimum requirement in this course. Lecture, Tuesday and Thursday at 11; laboratory, Wednesday, 1 to 4. *Three hours, both semesters.*

14. **Mammalian Anatomy**—A course in dissection of a typcial 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, first 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, first 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.*

### Recommendation of Teachers

The following courses are required of those expecting to teach high school zoology.

| | Catalog No. of Course | Semester Hours |
|---|---|---|
| Zoology | 1 and 2 | 8 |
| Field Zoology | 12 | 2 |
| Zoology (Elective) | | 8 |

### 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 of School of Architecture.

PERCY PAGET ADAMS, B. S. ..... EUGENE
Professor of Graphics.

EDWARD HIRAM MCALISTER, M. A. ..... EUGENE
Professor of Structures.

ALFRED H. SCHROFF, ..... EUGENE
Professor of Pedagogy of Art and of Drawing.

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

ROSWELL DOSCH, ..... EUGENE
Instructor in Drawing and Modeling.

ALLEN EATON, B. A. ..... EUGENE
Instructor in Art Appreciation and Director of Exhibitions.

LOUIS C. ROSENBERG, ..... EUGENE
Instructor in Architectural Design.

## LECTURERS

Each year men and women distinguished in Architecture and in the allied professions are invited to lecture before the School of Architecture.

W. R. B. WILCOX, F. A. I. A.
Director American Institute of Architects, Seattle.

E. A. DOYLE, A. I. A.
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.
MRS. J. C. ELLIOTT KING
Portland.

## GENERAL STATEMENT

The School of Architecture and Allied Arts was organized in 1914. Its scope of work covers a complete course leading to the degree of Bachelor of Architecture. General University courses leading to the degree of Bachelor of Arts are also given in Art Appreciation, Civilization and Art, Pedagogy of Art, City Planning, Drawing, Graphics, Design and Water Color. The school offers preparatory courses for students contemplating careers in painting, modeling, illustrating, and various forms of commercial art. In connection with the School of Education, it offers courses in Pedagogy of Art with the School of Journalis;m, courses leading to cartooning; with the Department of Dramatics and Public Speaking, courses in Scenic Composition and Costume Designing. Co-operating with the Extension Department, courses are given in Portland in the Central Library, in Drawing, Modeling, Pen and Pencil, Architectural Design, Descriptive Geometry and Graphis Statics. Courses in Drawing and Pedagagy of Art are offered in the summer school. A department of exhibitions operates in connectionwith the School and special exhibits are brought to the University and to the Extension quarters in Portland.

## FACILITIES AND EQUIPMENT

The School of Architecture and Allied 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 books, prints and plaster casts, which should make the equipment most satisfactory for the coming year's work.

## FEES

All students in the sophomore, junior and senior work of the Architectural course are obliged to become members of the Beaux Arts Society, New York, which calls for an annual registration fee of $2.00. The only other fees required are the regular student body tax of $8.00 and the incidental fee of $10.00.

## PRIZES

The Oregon Chapter of the A. I. A. awards two prizes each year for proficiency in architectural design, as shown in a special project, the program of which is written by the Educational Committee of the Chapter.

Last year the first prize of $15.00 was awarded to Joe Tominaga, and the second prize of $10.00 was awarded to Russell Collins.

## BEAUX ARTS SOCIETY

The work of the Beaux Arts Society is followed wherever it does not conflict with the schedule. Last year up to May, the classes in architecture submitted thirty-five drawings to Beaux Arts Juries in San Francisco and New York, thus being in direct competition with other schools of architecture and ateliers throughout the country.

The standard of work maintained is indicated in the awards won from these juries the students receiving thirty-three mentions and one hors de concours out of the thirty-five submitted.

## JURIES

The problems given in the School of Architectural Design, Domestic Architecture and Research and Ornament, are judged by juries of practicing architects. The following have served as jurors:

Morris H. Whitehouse, A. I. A.

Joseph Jacobberger, A. I. A.

Harry G. Beckwith.
F. A. Naramore, A. I. A.
Charles Rich.
Chester Hogue.
Alfred Smith, A. I. A.
W. C. Knighton, A. I. A.
William G. Holford, A. I. A.

## ENTRANCE REQUIREMENTS

Students majoring in Art courses are subject to the general entrance requirements of the University, while those majoring in Architecture have special entrance requirements, as described below:

### ADMISSION TO THE SCHOOL OF ARCHITECTURE AND ART

Students are admitted to the freshman class on the completion of a four-year hiyh school course or its equivalent, requiring fifteen units of work. 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 the case of bona fide special students.)

For admission to the Department of Art Appreciation, the usual entrance resuirements of the University apply; but for admission to the Department of Architecture, the following are the requirements:

(a) Fixed requirements 10½ units:

1. English ..... 3 units.
2. Mathematics ..... 3½ units.
   Algebra through quadratics.... 1½ units.
   Plane Geometry ..... 1 unit.
   Solid Geometry ..... ½ unit.
   Trigonometry ..... ½ unit.
3. History ..... 1 unit.
4. Foreign Language in one of the following: Latin, Greek, French, German or Spanish (French or German preferred) 2 units.

5. Physics .....1 unit.

(b) Elective subjects, 4½ units to be presented. These may be selected from any of the subjects for which standard high schools give credit toward graduation and may include additional work in the above required subjects.

## 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 or Elementary Spanish | German 1, or Romance Languages 1 | 5 |
| General Physics | Physics 3 | 4 |
| Descriptive Geometry | Graphics 26 | 2 |
| Physical Training | | |
| | Total credits, | 17 |

Second Semester

| | | |
|---|---|---|
| English Composition | English | 3 |
| Elementary German or Elementary French (or Spanish) | German 1, or 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 Advanced French | German 2, or 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

| | | |
|---|---|---|
| Theory and Processes of Decorative Art | Art 93 | 2 |
| Elective | | 1 |
| 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

| | | |
|---|---|---|
| Pen and Pencil | Drawing 55 | 1 |
| Theory and Processes of Decorative Art | Art 94 | 2 |
| Architectural History | Architecture 15 | 2 |
| Research, Ornament and Style | Architecture 20 | 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

| Subject | Course | Credits Each 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 56 | 1 |
| Modeling | Drawing 57 | 1 |
| Architectural Design | Architecture 6 | 7 |
| Building Material and Constructive Types | Construction 68 | 1 |
| Constructive Design | Construction 71 | 2 |

Total credits, 15

Second Semester

| | | |
|---|---|---|
| Elements of City Planning | Architecture 17 | 1 |
| Special Subjects: Sanitary Science, and Public Health | Construction 67 | 1 |
| Ethics and Business Relations (The Architect's Office, Client Contractor, Contracts-Law | Architecture 21 | 1 |
| Life Class | Drawing 54 | 1 |
| Cartoons for Mural and Stained Glass | Drawing 58 | 1 |
| Modeling | Drawing 59 | 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.

## DEPARTMENT OF ART APPRECIATION

The purpose of this department is to encourage the student to feel an interest in art in its many forms. Not only are the fine arts considered, but especial attention is given to the minor arts, as there should be no fine line of definition between the two, they being so related that one, both supports and supplements the other.

The student is led to relate the arts one to another, and especially to architecture, and to develop an independent judgment for his enjoyment of them. To this end lectures are given—work assigned to be executed with the hands—and special exhibitions arranged. Not only is the student encouraged to recognize art wherever he may find it, but to feel that he is himself an artist if he does his work with purpose and pleasure.

The hand work done by the students is generally of their own selection, and covers many subjects, quite a number working out the problems of design and color in the arrangement and furnishing of their own rooms, or the planning, planting and caring for their own yards and gardens.

Work in this department is open to all students of the University, whether majoring the School of Architecture and Arts or not.

## PEDAGOGY OF ART

This course is designed to qualify students for teaching art especially in the public schools. It covers direct pictorial representations in various medias—designing, prismatic and pigment color theory, art history, pedagogical principles, etc. The courses offered by the School of Architecture and Allied Arts which would strengthen this work, given in connection with this course in Pedagogy, are as follows:

Civilization and Art, Theoretical Design, Theory and Processes of Decorative Arts, Water Color, Drawing, Pen and Pencil, Mechanical Drawing, Lettering, Technique of the Artist.

## SCENIC COMPOSITION

The course in Scenic Composition, which will be given the first time in 1917, is intended to give the aesthetic principles involved in stage craft. Students contemplating taking this work, should take the general art courses offered by the School of Architecture and Allied Arts, including Drawing, Graphics and Design.

## EXTENSION WORK

In connection with the Extension Division of the University, the School of Architecture and Allied Arts, through the courtesy of the Library Board of Multnomah County, carries on classes in Portland in Architectural Design, Pen and Pencil, Drawing, Modeling, and Descriptive Geometry. A course in Graphical Statics and Elementary Structures is being given members of the Carpenters' Union and others. Lectures are supplied to communities desiring talks on architecture, art and city planning. Cooperating with the Educational Committee of the Oregon Chapter of the American Institute of Architects, a course of ten lectures and readings was held during the winter of 1916 at the East Side Library, Portland, dealing with the Great Historical Phases of Architecture, and with special subjects, such as Domestic Architecture, Schoolhouse Design, Art Training in the Public Schools, Fire Protection, The Architect and the Investor, Excess Condemnation, City Planning and Mr. Howard's poem on the life of "Brunnelleschi."

## EXHIBITIONS

The following exhibitions have been held during the past year:

Loan exhibit from Portland architects; collection of student work from the Massachusetts Institute of Technology; of art work done in the public schools of Portland under the direction of Miss Esther Wuest; of contemporary American water color artists; American illustrators; American oil painters; examples of the work of Henry Wentz, of Portland; of Alfred Schroff, of Boston; of the teaching staff of the school; of interior decoration and domestic architecture; of lithographs; etchings; block prints; modeling; design and color in textiles and in nature, especially in birds, butterflies and flowers; of printing; of bookbinding; photography; work in metal and leather; gardening; weaving; needlework; bookplates; posters and examples of art found in advertising; the collection of flower paintings by Mrs. Albert R. Sweetser; birds and animal pictures by Bruce Horsfall, and circuits from the American Federation of Arts.

The students have designed an entrance courtyard to the Architectural Building, which, when built, will house a permanent exhibit of building materials and of objects of art, suitable for garden display.

## SUMMER SCHOOL

The Summer School is in charge of Miss Esther Wuest, Supervisor of Art, Portland Public Schools.

Courses are offered in Theory and Practice of Drawing and Design, as applied to Art teaching.

## DESCRIPTION OF COURSES

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule** **See announcement, page 86.**

## 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.*

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*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, 19 and 20. **Research and Ornament**—The history of the styles. Drawing. Professor Lawrence and Mr. Rosenberg. Senior subject.

*One credit hour, each semester for three semesters.*

21. **Ethics and Business Relations**—Lectures. Senior subject. Professor Lawrence, Professor Morton, and others.

*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*

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.*

34. **Graphic Statics**—Lectures and drawing. Sophomore subject. *Two credit hours, first semester.*

DRAWING

46 and 47. ***Drawing**—Sophomore subject. Professor Schroff.

*One credit hour, each semester.*

*These courses are open to University students not majoring in Architecture.

48 and 49. *Water Color—Throughout the year. Professor Schroff. Sophomore subject. *One credit hour, each semester.*

50. *Drawing—Mr. Dosch. Junior subject.
*One credit hour, first seemster.*

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. Professor Schroff. *One credit hour, each semester.*

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. Professor Schroff. *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.*

*These courses are open to University students not majoring in Architecture.

## ART

86. *Theoretical Design—Lectures and drawing. Mr. Dosch. Freshman subject. *One credit hour, second semester.*

87 and 88. **Pedagogy of Art**—Throughout the year. Professor Schroff. *Two credit hours, each semester.*

89 and 90. **Pedagogy of Art**—Throughout the year. Professor Schroff. *Two credit hours, each semester.*

91 and 92. **History of Civilization and Art**—Throughout the year. Professor Schroff. Lectures.
*Two credit hours, each semester.*

93 and 94. **Theory and Processes of Decorative Art**—Throughout the year. Professor Schroff.
*Two credit hours, 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.*

## HISTORY OF ART

Eight courses are offered and each course runs through one semester. Each is a lecture course. 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.

1. **Masterpieces of Architecture**—Ancient and present day, giving the history of great buildings, including conditions which called them into being, their structural principles, their purpose and their ornamentation. Monday, Wednesday and Friday at 9:00. Mrs. Pennell. *Three hours, first semester.*

*These courses are open to University students not majoring in Architecture.

2. **Ancient Sculpture**—This course has to do with the sculpture of Egypt, Assyria, Greece and Rome. It includes the work of the masters in marble and bronze. Monday, Wednesday and Friday at 11:00. Mrs. Pennell.

*Three hours, first semester.*

3. **The Home**—This course deals with the site, plan and construction of the house—that house to be a home. Tuesday, Thursday and Friday at 10:00. Mrs. Pennell.

*Three hours, first semester.*

4. **Modern Sculpture**—This course presents the work of the most notable modern sculptors, Italian, French and American. Monday, Wednesday and Friday at 9:00. Mrs. Pennell.

*Three hours, second semester.*

5. **Modern Painting**—This course presents the work of some of the most notable modern painters, Italian, Spanish, French, German, Flemish, Dutch, English and American. Monday, Wednesday and Friday at 11:00. Mrs. Pennell.

*Three hours, second semester.*

6. **Appreciation of Prints**—This course 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, the time in which the artist lived, his nationality, surroundings and tastes. Tuesday, Thursday and Friday at 10:00. Mrs. Pennell.

*Three hours, second semester.*

7. **Symbols, Legends and Stories in Art**—This course has for its subject matter the symbols, legends and stories in art, including their use in mosaics, painting and sculpture. Tuesday at 9:00. Mrs. Pennell. *One hour, second semester.*

The University has a constantly increasing number of works on architecture, sculpture, painting and engraving, together with portfolios of prints and photographs. The Architecture department has casts and slides.

All of the above courses are open to both men and women.

## 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 seemster.*

**French I**—Elementary French, or
*Five credit hours, each semester.*

**Spanish I**—
*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 Languages. French 2**—Advanced French. Prerequisite.
*Four credit hours, first semester.*

**Romance Languages. French 1**—Advanced French. Prerequisite.
*Four credit hours, first semester.*

**Spanish 2**— *Four credits*

**Mathematics 3**—Analytical Geometry and Calculus throughout the year. Prerequisite, *Algebra, Plane Trigonometry, 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, first semester.*

### Junior Year

**Electives**—Subject to the approval of the Dean.
*Two credit hours, second semester.*

*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.

# SCHOOL OF COMMERCE

## FACULTY

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

HARRY B. MILLER, Director of School of Commerce.

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

G. ROBERT MCAUSLAN, Professor of Commerce.

J. HUGH JACKSON, B. A., Professor of Commerce.

ALLAN C. HOPKINS, B. S., Instructor in Commerce.

### FIRST YEAR

| | | | |
|---|---|---|---|
| English | 3 | English | 3 |
| Modern Language | 5 | Modern Language | 5 |
| or Chemistry | 4 | or Chemistry | 4 |
| Economic History | 2 | Industrial History | 2 |
| Economic Geography | 2 | Economic Geography | 2 |
| College Algebra | 3 | Math. of Investment | 3 |
| Elective | 1 or 2 | Elective | 1 or 2 |

### SECOND YEAR

| | | | |
|---|---|---|---|
| Principles of Economics | 3 | Principles of Economics | 3 |
| Modern Language | 4 or 3 | Modern Language | 4 or 3 |
| or Business Law | 3 | or Business Law | 3 |
| Accounting Principles | 3 | Accounting Principles | 3 |
| Psychology | 3 | Psychology | 3 |
| Business English | 2 | Business English | 2 |
| Elective | 1 or 2 | Elective | 1 or 2 |

### THIRD YEAR

(All Electives)

| | | | |
|---|---|---|---|
| Business Organization and Management | 3 | Employment and Executive Management | 3 |
| Cost Accounting | 4 | Foreign Commerce | 2 |
| Foreign Commerce | 3 | Accounting Systems | 4 |
| Salesmanship | 3 | Sales Management | 3 |
| Life Insurance | 3 | Life Insurance | 3 |
| Practical Exporting | 3 | Practical Exporting | 3 |
| Credits and Collections | 3 | Purchasing | 3 |

### FOURTH YEAR

(All Electives)

| | | | |
|---|---|---|---|
| Auditing | 4 | C. P. A. Problems | 4 |
| Domestic Commerce | 3 | Domestic Commerce | 3 |
| Exchange Brokerage | 3 | Fire Insurance | 3 |
| Fire Insurance | 3 | Exchange Brokerage | 3 |
| Practical Banking | 3 | Advertising | 3 |
| Municipal Accounting | 2 | Investments | 3 |
| Public Utility Accounting | 2 | Railroad Accounting | 2 |
| | | Lumber Accounting | 2 |

## THE DEPARTMENT OF INDUSTRIAL AND COMMERCIAL SERVICE OF THE SCHOOL OF COMMERCE

In 1914, under the direction of Hon. H. B. Miller, of Portland, the Department of Industrial and Commercial Service was organized. The purpose of this Department was to fill a long felt need for a central organization which could readily assemble and disseminate information of an industrial and commercial character to the people of the state. As yet the facilities in the state, for collecting data of this kind, are not completely organized. It is the aim of the Department, therefore, to perform a distinct function in offering an efficient and practical service to the people of the state.

The assistance of the Department of State and the Department of Commerce of the National Government, makes possible the service of the Industrial Department. Statistics on any subject, from any part of the world, are readily made available. The business men and farmers are particularly urged to submit the problems which confront them, regarding markets (foreign and domestic), competition, methods of entering foreign markets, and any problems arising in connection with the exporting of their products. A regular bulletin service, in which are published the data collected, is maintained. These bulletins are distributed free of charge to all who request them. In addition, small casual bulletins, on subjects of current interest to financial and commercial interests are issued whenever the material is available.

## PROFESSIONAL COURSES IN COMMERCE AND INDUSTRY

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule** **See announcement, page 86.**

1. **Accounting Principles**—This course is required of all majors in Commerce. A knowledge of the eelmentary 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 interpretation. 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 and Public Utility Accounting**—The aim of this course is to give practical training in every phase of muncipal and public utility 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 classification of accounts for the various public utility enterprises is studied in detail. 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 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 management 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. **Salesmanship**—This course deals with the general principles of salesmanship, the relation between the salesman and the customer, the approach to the customer, the presentation of the product, closing the sale, following up the sale, etc. Each student is required to select some product to which he shall give special study. A sales talk about this special product must be written and then given to the class. Two prizes for excellence in salesmanship are available for 1917-18. These prizes have been offered by the Oregon Life Ins. Co., and the Western States Life Ins. Co. *Two hours, second semester.*

12. **Sales Management**—The object of this course is to give the student an opportunity to study the characteristics, work and methods of the sales manager. The student will be required to plan sales campaigns, efficiency tests for salesmen, and to write copy for a house organ, etc.

13. **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.*

14. **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.*

15. **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 motivate his organization, and the reaction of his coworkers 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.*

16. **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.

17. **Office Management**—How to organize an office force; duties of the management and clerks; getting out and filing correspondence; efficiency methods and tests, etc.

18. **Business Law**—A course designed to cover the principles of law, relating to the transactions which are today common to commercial and financial enterprises. An effort has been made to include those subjects which will be of a practical value to the business man, rather than those which appeal particularly to the student of law. This course includes the following: The Elements of a Contract; Operation and Discharge of Contracts; Agency; Sales; Insurance; Wills; Negotiable Instruments; Damages; Bailments; Partnerships, etc.

*Three hours, both semesters.*

19. **Domestic Commerce**—In this course an effort has been made to present to the student the history, development, and present status of our inland transportation facilities. Particular emphasis will be placed upon the factors influencing the building of canals, and the improvements of inland water ways; the character of the traffic, its importance, and the relations and connections existing between inland carriers, railroads and ocean carriers; a study of the government's policy as regards river and harbor improvements. In addition, considerable time is devoted to the discussion of the present and potential influences of the

Panama Canal upon internal transportation. The text used in this course is Johnson, "Ocean and Inland Transportation."

*Three hours, first semester.*

20. **Foreign Commerce**—This course aims to carry the study of domestic commerce into the field of international intercourse. It is especially desired, therefore, that the student first complete the course in domestic commerce before attempting to pursue this work. The course includes a study of:

Purposes and operations of commercial treaties between nations; the geographic, economic and social causes of commercial changes in foreign trade; the study of the attitudes of different governments with regard to ship subsidies, subventions, etc.; direct and indirect methods of assisting shipping; international payments and balance of trade; factors influencing the establishment of trade routes; tariff influences. Particular study of the Latin-American Countries is made.—Geographical features and a knowledge of the resources, etc. Extensive outside reading is required in the Daily Commerce Reports, Trade and Commercial Bulletins issued by various governments, and the publications of the Bureau of Latin American Republics. The text used is "Selling Latin America," Aughinbaugh.

*Three hours, second semester.*

21. **Life Insurance**—The purpose of this course is to acquaint the student with a practical, as well as theoretical principles of the various phases of life insurance. It aims to give a practical knowledge of the functions and personal and business uses of life insurance. Included are the following subjects of which study is made:

Early history of insurance; development and extension of the principles of insurance; simple mathematics of insurance; the various policies; disability insurance; group insurance; state insurance; legal interpretations of contracts, assignments, etc., and the general, federal and state statutes relating to life insurance companies, and fraternal societies.

*Three hours, both semesters.*

22. **Fire Insurance**—As in the course in life insurance, an effort is made to present both the practical and theoretical

aspects of fire insurance. In addition to fire insurance, a study is made of property, title, credit, and marine insurance. Special emphasis is placed upon the study of the legal phases of the organization, management, etc., of companies, according to Oregon practice. *Three hours, both semesters.*

23. **Practical Exporting**—Recent international developments have opened a way for vast expansion of the foreign trade of the United States. In order to fit the student for participation in the extended activities of the international commerce, this course offers the fundamental of export practice. In it are included, foreign exchange practice, methods of entering markets, foreign customs, tariffs, international banking facilities and practice, shipping technique (including marine insurance), governmental policies as to combinations in foreign trade, and foreign commercial associations whose functions are to facilitate and foster foreign trade. Extended outside reading will be required. Sophomore standing is a pre-requisite.

*Three hours, both semesters.*

24. **Field Work in Manufacturing Industries**—A course designed to prepare students to engage in the various manufacturing pursuits or government field service. Methods of manufacturing some of Oregon's products are observed in the plants themselves. Systems of management are studied, including the buying, manufacturing and disposition of the product, together with methods of financing the operations. Particular attention is paid to surveys and industries of the resources of Oregon, relating to the product, the study of whose manufacture is being made. The students are required to make personal surveys, submit reports, and plans of plants, tracing the product thruout the plant. Extended outside reading is required.

*Three hours, both semesters.*

25. **Exchanges and Brokerage**—This course deals with the organization and functions of stock and produce exchanges, domestic and foreign; future contracts on the stock and produce exchanges and Board of Trade; a study of all the legal aspects, connected with the receipt and execution of contracts for purchase or sale on the exchanges; collection and dissemination of

market news; deliveries on the exchanges; marketing of securities; settlements, by banks and brokers, of exchange transactions; arbitraging, foreign and domestic; brokering and listing of stocks and bonds of all kinds; conversion and all phases of the brokerage business. Open only to Juniors, Seniors and graduates. *Three hours, both semesters.*

26. **General Advertising**—The basis of this course is the textbook of Tupper, Hollingsworth, Hotchkiss and Parsons. The advertisement is studied from the standpoint of language, the makeup of the advertisement, the type and color background, etc.

Emphasis is laid on advertising composition and the work is made practical, by having the class write advertisements for events which occur during the University year. The students are also asked to map out advertising campaign for products in which they are interested.

27. **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.

# SCHOOL OF EDUCATION

## FACULTY

P. L. Campbell, A. B., LL. D., President of the University.

Henry Davidson Sheldon, Ph. D., Dean, Professor History of Education.

Fred Carleton Ayer, Ph. D., Professor of Education.

E. S. Bates, Ph. D., Professor of Rhetoric.

Hugo Bezdek, B. A., Director of Men's Sports.

John Freeman Bovard, Ph. D., Professor of Zoology.

William Pingrey 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.

Burchard Woodson DeBusk, Ph. D., Professor of Secondary Education.

Edgar Ezekiel DeCou, M. S., Professor of Mathematics.

M. H. Douglass, M. A., Librarian and Instructor in Library Administration.

Albert N. French, M. A., Assistant Professor of Education.

James Henry Gilbert, Ph. D., Professor of Economics.

Chester A. Gregory, M. A., Professor of Education.

Herbert Crombie Howe, Ph. D., Professor of Modern English Literature.

John J. Landsbury, Mus. D., 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.

Friedrich Georg G. Schmidt, Ph. D., Professor of German.

Warren D. Smith, Ph. D., Professor of Geology.

Orin Fletcher Stafford, M. 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.

Frederic 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. The new Education Building, designed for the School of Education, gives commodious and well fitted quarters for the school. The University Junior High School occupies the basement and a part of the second floor, and gives effective organization for courses in Observation and Practice Teaching. This arrangement provides all needed teaching facilities.

## 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 catalogs, 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 comple-

tion 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 or Bachelor of Science 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 course.

## 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 the 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

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule. See announcement, page 86.**

1. **Principles of Education**—An introduction to the general field of education. Treats of the following and related topics: Biological, phychological 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, both semesters.*

2. **History of Modern Education**—This course includes the reading and discussion of the fundamental books in modern

pedagogy, such as Rousseau's Emile, Froebel's Education of Man, Spencer's Education, etc. Professor SHELDON.

*Three hours, both semesters.*

3. **Educational Psychology**—Application of the fundamental principles of adult psychology to educational problems. Types of learning, reflective thinking, how to study, the doctrine of endowment, individual differences, special mental processes, psychology of skill and the instrumental subjects. Professor DEBUSK. *Three hours, second semester.*

4. **Genetic Psychology**—A study of the normal, mental and physical development of the individual thru 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; also adolescence, its chief mental and physical characteristics in relation to school work. Professor DEBUSK. *Three hours, first semester.*

5. **Secondary Education**—History, organization and administration of secondary education in America; training of secondary teachers. Schol 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. Professor SHELDON. Professor DEBUSK. *Three hours, both semesters.*

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, both semesters.*

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.*

10. **Civic Education**—Points of approach and subject matter in the field of civics, economics and history, especially from the point of view of the junior high school. Mr. FRENCH.

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

13a. **Educational Hygiene**—A general course. Hygiene of the school plant, heating, lighting, ventilation, the school environment. Administration of educational hygiene, school feeding, school diseases, medical inspection, dental inspection. Professor DEBUSK. *Three hours, first semester.*

13b. **Hygiene of Learning**—Hygiene aspects of learning and of school work. Laws of neural activity, blood supply, oxygen, fatigue, systematic poisons, posture, temperature, humidity, etc. Hygiene of mental functions. Hygiene of school subjects. Professor DEBUSK. *Three hours, second semester.*

FOR GRADUATES AND ADVANCED STUDENTS

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.*

17a. **Exceptional Children**—A study of the factors that affect the mental and physical growth and functioning. Heredity, physiological age, disorders of growth, malnutrition, defects of the special sense organs, teeth, adenoids, tonsils, the nervous child, neuroses of development. Professor DEBUSK.

*Two hours, first semester.*

17b. **Exceptional Children**—The method and technique of the examination of the school child. Intelligence testing. The literature of tests. Social and educational treatment of types of exceptional children. Professor DEBUSK.

*Two hours, second semester.*

18. **Social and Moral Education**—Underlying principles. Study of systems of moral instruction in different countries. Recent movements in social education. Lectures, reports and discussions. Professor SHELDON.

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 1917-18. 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. Not given in 1917-18. *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.*

### 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.
Physical Education 14, one hour, one semester.
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.

### 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 Pratice 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 difrerent 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 | 1 | 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 | 1 |

### 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

| | Catalog No. of Course | Semester Hours |
|---|---|---|
| Elementary Spanish | 1 | 6 |
| Advanced Spanish | 2 | 4 |
| Classical Spanish | 3 | 4 |

### English Language, Composition and Literature

| | | |
|---|---|---|
| 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 | 101 | 3 |
| Middle Ages | 102 | 3 |
| Renaissance and Reformation | 103 | 3 |
| Industrial History of Europe | 4 | 3 |
| Modern European History | 2 | 3 |
| History of England | 3 | 3 |
| Early American History | 5 | 3 |
| Later American History | 6 | 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:

| | Catalog No. of Course | Semester Hours |
|---|---|---|
| Geology | 1 | *6 |
| Physiography | 2 | †4 |

PHYSICS

| | | |
|---|---|---|
| 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 |
| Teacher's Course | 27 | 1 |

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.

*Cannot be entered second semester. †Second semester.

**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.

### 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 courses 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

*The courses starred may be taken by correspondence.

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), five hours; German (Italian for voice), five hours; Literature, three hours; English, three hours; Elocution, one hour; Personal Hygiene, one hour; Physical Training.

**Second Year**—Music (piano, voice or violin), five 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), five 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), five 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; Osteology, 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 Director 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, B. A., LL. D., President.

ERIC W. ALLEN, Dean.

GEORGE S. TURNBULL, B. A., 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.)

### PRE-JOURNALISM COURSE

### FRESHMAN YEAR

| First Semester | Hours | Second Semester | Hours |
|---|---|---|---|
| English and Elementary Journalism | 5 | English and Elementary Jour. nalism | 5 |
| Science | 4 | Science | 4 |
| Language | 5 | Language | 5 |
| Elective | 2 | Elective | 2 |

### SOPHOMORE YEAR

| | Hours | | Hours |
|---|---|---|---|
| Newspaper Manufacturing | 2 | Newspaper Manufacturing | 1 |
| Country Journalism | 1 | Country Journalism | 2 |
| Proofreading | 1 | Printing | 1 |
| Printing | 1 | Proofreading | 1 |
| Continuation of First Years 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 |
| | | (Electives should include History.) | |

### PROFESSIONAL JOURNALISM

### JUNIOR YEAR

| | Hours | | Hours |
|---|---|---|---|
| Professional Newswriting | 3 | Professional Newswriting | 3 |
| Copy Reading | 2 | Copy Reading | 2 |
| Psychology of Advertising | 2 | Advertising Practice | 2 |
| Current Events | 1 | Criticism | 2 |
| Criticism | 2 | Elective | 7 |
| Elective | 6 | | |

SENIOR YEAR

| | Hours | | Hours |
|---|---|---|---|
| Editorial | 4 | Editorial | 1 |
| Laws of the Press | 1 | Special Assignments and Conferences | 1 |
| Special Assignments and Conferences | 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

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule. See announcement, page 86.**

1. **Prejournalism Newswriting and Freshman English Composition**—Course given by Department of English and School of Journalism in collaboration. Covers material of Course English I (see under Department of English), in a separate section devoted to the special needs of students who intend to enter newspaper, magazine or advertising work. Elements of the work of the newspaper reporter. Laboratory practice. Conferences. Daily at 8. Mr. Allen and Mr. Thacher.

2. **Professional Newswriting**—Prerequisite, Course 1 or its equivalent. "Straight news," special stories, Sunday features, and reporting involving difficulties in handling. Tuesday, Thursday, and Friday at 10. Mr. Turnbull.

3. **Newspaper Manufacturing**—The mechanical side of publishing. Printing office administration. Accounting and Cost Accounting. 3a. **Country Journalism.** 3b. **Printing Laboratory.** Monday, Wednesday and Friday at 9, and one afternoon to be selected. Mr. Allen and Mr. DeLay.

4. **Editing, Editorial Writing, Editorial Theory and Practice, Contemporary Journalism and History of Journalism**—Monday, Tuesday, Thursday and Friday at 10. Mr. Allen.

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 semester.

6. **Copyreading**—Lectures and practice work counting as laboratory hours. United Press and local copy edited and headlines written. Make-up studied in shop. Two hours' credit. Monday, Wednesday and Friday at 4. Mr. Turnbull.

7. **Estimating on Printing**—Elective for Seniors who expect to work in smaller cities or to manage printing offices. Prerequisite: Courses 3, 3a and 3b. One hour credit. Hours to be arranged. Mr. DeLay.

8. **Current News**—Lectures, recitations and quizzes. Professional study of current events and the method of presentation adopted by various newspapers. Monday at 10. Mr. Turnbull.

9. **Proofreading**—Laboratory open to students who are taking three hours of other work in journalism. Advised in connection with Courses 3, 3a and 3b. One hour credit. Hours to be selected. Mr. Turnbull and Mr. DeLay.

10. **Assignments and Conferences**—Specialty work or Thesis. Required of all Seniors. Friday at 9. Mr. Allen.

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**—Professor MORTON.

Commerce 26. **Advertising**—Professor MCAUSLAN.

# SCHOOL OF LAW

## THE 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 Law

RALPH SCOTT HAMILTON, LL. B.
Professor of Law

ROBERT PATTERSON REEDER, LL. M.
Professor of Law

MR. E. R. BRYSON
Of the Lane County Bar
Lecturer on Oregon Practice and Procedure

M. H. DOUGLASS, A. M.
Librarian of the University

F. P. FARREL, L. R. HURD, M. H. McKEY
Assistants in the Law Library

## THE QUARTERS OF THE LAW SCHOOL

During the month of November, 1916, the Law School moved into the commodious quarters awarded to it on the third floor of the new Educational Building, of which it occupies about two-thirds of the floor space. This space is divided into three comfortable recitation rooms, well lighted and ventilated; the stack-room of the Law Library, where the students study in the midst of the books; and the five offices of the Law Faculty, all opening into the stack-room. The arrangements are extremely convenient, offering to all ease and quickness of reference to the books, and a quiet retreat where law students may read the law without interruption or distraction of any kind. The whole building is steam heated and modern in every respect.

## DIRECTIONS TO CANDIDATES FOR ADMISSION

Before applying for admission to the Law School, the candidate is required to present to the Dean of the Law School the Registrar's receipt for the payment of the semester fee. It is essential, therefore, that a candidate for admission should apply first to the Registrar, register his name as a student in the Law School, and then pay his fees to the Treasurer. He is then entitled to apply for admission, and, in case of rejection, the money paid will be refunded by the Treasurer.

## 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 have qualifications to be stated hereafter. Every applicant for admission, whether as a regular or as a special or a partial student, must present a certificate of character. This may be in the form of a certificate of graduation, or of honorable dismissal from the school with which the applicant was last connected, or, in the case of special students who cannot present these, in the form of a general letter as to character.

## WHEN STUDENTS MUST ENTER

Students may enter at the beginning of either semester, but for students not entering upon advanced standing, a full three years of residence is required to complete the course. **In any case students are expected to enroll at the opening of the session. Those who enter late necessarily lose much of the work, and absences at that time are treated like other absences in reducing the number of hours of credit that may be earned. In no event can students who present themselves more than a month after the opening of any session be permitted to work for credit toward graduation during that session.**

Candidates for advanced standing must present themselves for examination one week before the opening of the Law School.

## ADMISSION AS CANDIDATES FOR A DEGREE

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 (sixty semester hours) 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 requirements of a college year. College courses in which there are unremoved conditions or other deficiencies will not be accepted.

In all cases the applicant should present to the Dean of the Law School, before the time of application, evidence that he comes within some one of the classes named. This, in the case of a university or college graduate, should be in the form of a certificate of graduation; in the case of other applicants, in the form of a certificate showing in detail the conditions of admission and the university or college work accomplished, and including an honorable dismissal signed by the proper authority.

**In any case all preparatory work must be completed before entering upon law study, and no collegiate work whatever may be taken thereafter except by special permission of the Dean of the Law School.**

## TWO-YEAR COURSE
(Preliminary to the study of Law.)

It is a noticeable tendency of the times to require a more thorough preparaton for all the professions. In none is this tendency more marked than 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 cannot 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 is suggested by the University under the direction of the Law School:

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) | 6 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 sixteen semester hours. Eighteen hours may be taken if the grades obtained warrant this privilige.

If, after completing this two-year course, the student desires further preparation in liberal arts before beginning his professional studies, he may either continue through the regular courses of the junior or senior years of the College of Arts and

Sciences, or after adding another year to the Two-Year Pre-Legal Course non-completed, he may enter the combined six year course in Arts and Law, with the aim of obtaining his collegiate and law degrees in six years, thus shortening by one year a period of study usually covering seven. For this third year's work the student should take additional courses in History, Natural Science, Philosophy, Political Science, Economics or Sociology, and English Literature.

## 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 ninety-six, 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 twenty-four 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 seventy-five 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.).

Special students who have maintained over the full three years of their law course at this school an average mark of S, and who by reason of exceptional ability and character are, in the opinion of the Law Faculty, deserving of this honor, may be granted the degree of Bachelor of Laws.

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 institution of recognized collegiate rank, and who have satisfactorily completed courses in law aggregating seventy-five 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 of Bachelor of Arts, the requirements for the degree of Doctor of Law may be satisfied by the successful completion of the Combined Six-Year Course in Arts and Law.

## ADMISSION OF SPECIAL STUDENTS

Persons of mature age, but whose preliminary training has not been sufficiently extensive to satisfy the requirements for admission as regular students, may, in some 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.

## ADMISSION OF PARTIAL STUDENTS

Persons who have been enrolled for at least one year in some school or department of the University other than the Law School, and have earned therein at least thirty credits, and who desire to study law as a preparation for business, not intending to practice law, and not being candidates for a law degree, may pursue in the Law School, without payment of fees, not to exceed two law courses a semester.

## 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.

## TUITION AND FEES

The tuition for all regular and special students 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.

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule. See announcement, page 86.**

## 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 performed 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 (two 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 Hamilton. *Three hours, second semester.*

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 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 Hamilton.

*Three hours the first, two hours the second semester.*

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 Hamilton.

*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.

*Three hours, second semester.*

## 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; juris

diction, 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 Hope. *Three 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.). Professor Reeder.

*Three hours, first 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. Thayer, Cases on Evidence (2d ed.). Professor Hope. *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.

*Three hours, second semester.*

11. **Public Service and Carriers.** Brief survey of bailments in general. Common law duties and liabilities of those who are engaged in public service, statutory regulation of services and charges and the validity of such regulations. Common carriers of goods and passengers at common law and under federal and state legislation. Burdick, Cases on Public Service; McClain, Cases on Carriers, (3d ed.). Professor Reeder.

*Four hours, first 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 Reeder. *Two hours, second 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. Case-book to be announced. Professor Reeder. (Not given in 1917-18.)

*Three hours, second 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 of 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 Hamilton. *Two 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 Hamilton.

*Two hours, first semester.*

16. **Insurance.** A general survey of insurance law, life, accident, fire and marine insurance, wth 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 adopt-

ed in the United States. Wambaugh, Cases on Insurance. (Not given 1917-18.)

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. Professor Reeder. (Not given 1917-18.)

18. **Code Pleading.** Actions and special proceedings; the complaint, including necessary allegations, methods 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 Hamilton. *Three hours, second 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. *Two hours, first 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. **Corporations, Municipal (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, power, 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. (Not given 1917-18.) *Four hours, second semester.*

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 agreements respecting debts; distribution of assets to creditors and between partners; limited partnership. Ames, Cases on Partnership. Professor Reeder. *Two 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 devices, 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 Hamilton. (Not given 1917-18.)

*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 on Equity Jurisdiction, vol. 2. (Not given 1917-18.) Professor Hope.

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. (Not given in 1917-18.) *Two hours, second 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 counter-claim 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 Hope. *Two hours, second semester.*

30. **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. Durfee, Cases on Mortgages. Professor Hamilton. (Not given 1917-18.)

*Two hours, second semester.*

31. **Oregon Practice.** Organization and jurisdiction of courts; court records and files; proceedings prior to judgment, including: services 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.

Argument of cases on submitted statements of facts; briefs; preparation of opinions. (Open to advanced students.) Lord's Oregon Laws and selected Oregon cases. Mr. Bryson.

*Two hours, both semesters.*

# SCHOOL OF MEDICINE

## FACULTY

P. L. CAMPBELL, B. A., LL. 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, Assistant Dean.

ROBERT LOUIS BENSON, A. M., M. D., Professor of Pathology, Head of Department of Pathology and Bacteriology.

WILLEY HIGBY NORTON, A. B., M. D., Associate Professor of Bacteriology.

HOWARD D. HASKINS, A. B., M. D., Professor of Biochemistry, Head of Department of Biochemistry.

HAROLD B. MYERS, A. B., M. D., Professor of Materia Medica, Pharmacology, and Toxicology, Head of Department of Pharmacology.

WILLIAM F. ALLEN, A. M., Ph. D., Professor of Anatomy, Head of Department of Anatomy.

FRANK R. MENNE, B. S., M. D., Associate Professor of Pathology.

GEORGE E. BURGET, S. B., Ph. D., Professor of Physiology.

## 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. ELLIOT KING, A. B., M. D., Assistant Professor of Dermatology and Syphilology.

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

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

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

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

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 Tuberclosis Division of Out-Patient Department.

RAY W. MATSON, M. D., Assistant Professor of Medicine. In charge of Tuberculosis Division of Out-Patient Department.

J. EARLE ELSE, M. S., M. D., Assistant Professor of Surgery.

## ASSOCIATES

GEORGE AINSLIE, M. D., Associate in Ophthalmology.

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 (Radiology).

FRED ZIEGLER, B. S., M. D., Associate in Surgery.

PAUL ROCKEY, M. D., Associate in Surgery.

J. F. DICKSON, M. D., Associate in Opthalmology.

W. B. HOLDEN, M. D., Associate in Surgery.

B. L. NORDEN, M. D., Associate in Surgery.

C. R. MCCLURE, M. D., Associate in Surgery (Orthopedic).

A. C. SMITH, M. D., Associate in Surgery.

I. C. BRILL, A. B., M. D., Associate in Medicine.

## INSTRUCTORS

HORACE BURNETT FENTON, A. B., M. D., Instructor in Therapeutics.

DONALD H. JESSUP, Phm. G., M. D., Instructor in Surgery.

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.

RAYMOND E. WATKINS, M. D., Istructor in Anatomy.

SHERMAN E. WRIGHT, A. B., M. D., Instructory in Ophthalmology 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 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.

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 Ophthalmology.

R. F. DAVIS, M. D., Instructor in Ophthalmology.

DAVID N. ROBERG, M. D., Instructor in Tropical Medicine.

ANDREW J. BROWNING, M. D., Instructor in Anaesthesis.

## RESEARCH FELLOW

CHARLES U. MOORE, M. S., M. D., Research Fellow in Biochemistry.

## HISTORY

The Medical School 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 School 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 forty, to the State School in the city of Portland, and arrangements were effected so that the students of the Willamette University were graduated during the course of the following three years, and received degrees indicative of the merger of the two schools, and the alumni of both schools are consolidated under the Medical School 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 School 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.

By an act of the Legislature of the State in 1915, fifty thousand dollars was appropriated for the construction of the first unit of a medical group, contingent upon a popular subscription of twenty-five thousand dollars. This provision was met, and the Legislature of 1917 augmented the fund by providing forty thousand dollars more. Thus there is a building fund of one hundred fifteen thousand dollars, and construction will be commenced immediately on a building affording the most modern laboratory facilities, both in point of architecture and equipment.

## 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.

## CLINICAL ADVANTAGES

The Medical School has exceptional clinical advantages because of its intimate relation to large general hospitals, in all of which are conducted parts of the work of the clinical years.

Good Samaritan Hospital is located just opposite the Medical School. It accommodates 230 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 375 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 a great diversity of clinical material.

## DISPENSARIES

The Portland Free Dispensary is conducted by the Medical School in co-operation with the People's Institute and the Visiting Nurse Association. It is located at Fourth and Jefferson streets, in excellent quarters providing adequate rooms for all departments of clinical teaching, and complete laboratory equip-

ment. Over three thousand patients were cared for in 1916, assuring a good daily attendance. Small groups of fourth year students are assigned to daily dispensary service under immediate supervision.

The Jewish Neighborhood House, at Second and Hooker streets, affords an excellent dispensary service in Pediatrics and Oto-laryngology.

### LIBRARY

The Medical School library was established by the gift of the libraries of the late R. B. Wilson and Rodney Glisan, two distinguished pioneer physicians of this state. Numerous volumes have been added, making a total of nearly 4,000. About 400 recent volumes have been purchased and the periodicals number 46.

## REQUIREMENTS FOR ADMISSION

The minimum requirements for admission comprise (a) the successful completion of a four-year high school or academic course, or the equivalent thereof; and in addition, (b) the successful completion of two years of college work leading to a Bachelor degree in a University or College of Liberal Arts accredited by the University of Oregon. This work must have embraced at least eight semester hours in each of the subjects biology, general chemistry, physics, and a modern foreign language, and six semester hours of organic chemistry; (c) a certificate of good moral character 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 continuing through one year of at least 36 weeks, five times a week, with each period not less than 40 minutes in length.

### REQUIRED HIGH SCHOOL 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 HIGH SCHOOL 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.

### B. COLLEGE WORK REQUIRED

Two years of work in a College of Liberal Arts or a University fully accredited by the University of Oregon must have been completed, comprising a total of at least sixty semester hours of college credit leading to a Bachelor's degree. This work must include eight semester hours in each of the subjects, General Chemistry, Biology, Physics, and a modern foreign language; and six semester hours in Organic Chemistry. Each of these subjects must have included a certain amount of laboratory work as shown in the following table, and the balance of the sixty hours may be in any of the college subjects for which credit is given toward a Bachelor's degree.

| SUBJECT | Lectures or Recitations per week | Laboratory Periods per week | Total Semester Hours |
|---|---|---|---|
| Physics | 2 or 3 | 2 or 1 | 8 |
| General Chemistry | 2 or 3 | 2 or 1 | 8 |
| Organic Chemistry | 2 or 1 | 1 or 2 | 6 |
| Biology | 2 or 3 | 2 or 1 | 8 |
| German or French | 4 | | 8 |
| Electives | | | 22 |
| Totals | 12 or 14 | 7 or 5 | 60 |

N B—Each laboratory period must extend over at least two hours

These credits are accepted from accredited universities and colleges upon credentials from the proper authority, but work done in other medical or professional schools is not accepted as a substitute for the required college subjects

No students are admitted with any condition.

## ADMISSION BY EXAMINATION

Students who have completed the required work in colleges or universities not accredited by the University of Oregon must pass examination in the required branches. This examination is conducted by the Faculty of the University College of Literature, Science and the Arts, and upon completion of the examination the student must submit credentials from the University certifying that such credit has been approved.

## ADMISSION TO ADVANCED STANDING

No student will be admitted 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 note-books) 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.

Inasmuch as four years of residence in a recognized medical school is required for the degree of Doctor of Medicine, no time credit is given for work done at Eugene, or in other non-medical colleges, but subject credit may be given for satisfactory work if approved by the Dean, and the head of the Medical School department concerned

## COMBINED DEGREE COURSE

Those students who have successfully completed three years of work in the University, leading to the degree of Bachelor of Arts, and embracing not less than ninety semester hours of credit, may, upon the successful completion of the first year in the Medical School, embracing thirty-four semester hours, receive the degree of Bachelor of Arts, when approved by the College of Literature, Science and the Arts.

## PRE-MEDICAL COURSES

Special pre-medical courses are offered by many universities, and they are, as a rule, particularly adapted to fulfill the requirements of all Class A medical schools An excellent course is provided by the College of Literature, Science and the Arts of the University of Oregon. In addition to the required subjects, the student is strongly advised to elect courses in English, Latin, Psychology and Drawing.

## SPECIAL STUDENTS

Students who are not candidates for the degree of Doctor of Medicine may register in courses in the fundamental laboratory branches for which they are prepared, as special students; and graduates in medicine may register as special students in any course. But no matriculants will be accepted as special students in clinical subjects, other than graduates in medicine; and no graduates in medicine will be accepted as candidates for the degree of Doctor of Medicine.

## THE CURRICULUM

The curriculum consists of four annual sessions of thirty-two weeks (two semesters) each. The first two years are devoted chiefly to the fundamental branches; anatomy, both gross and minute; physiology, biochemistry, neurology, embryology, pathology, pharmacology, bacteriology, materia medica, and toxicology.

The last two years embrace the clinical branches: Medicine, surgery, obstetrics, gynecology, therapeutics, laboratory diag-

nosis, 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 those 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.

## REQUIREMENTS FOR GRADUATION

The following are the requirements of the candidate for the degree of Doctor of Medicine:

He must have finished four full medical courses of at least eight months each, no two of which shall have have been taken within the same twelve months, and the last of which must have been taken in this 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.

## 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 matriculation should submit: (a) a complete official transcript of his high school work, and (b) a complete official record of his college or university work, either in person or by mail, as early as possible. Upon receipt of these he will be promptly notified of his acceptance and the credentials will be retained, or of his rejection and they will be immediately returned to the applicant.

## 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 28 and 29, from 9 to 12 a. m.

## 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 beginning 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 the 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

| SUBJECT | Hours per Week | | Hours per Semester | |
|---|---|---|---|---|
| | Laboratory | Lecture or Quiz | Laboratory | Lecture or Quiz |
| First Semester— | | | | |
| Anatomy: | | | | |
| Gross | 12 | 2 | 192 | 32 |
| Histology | 8 | 2 | 128 | 32 |
| Biochemistry | 9 | 3 | 144 | 48 |
| Second Semester— | | | | |
| Anatomy— | | | | |
| Gross | 12 | 2 | 192 | 32 |
| Neurology | 5 | 1 | 80 | 16 |
| Embryology | 4 | 2 | 64 | 32 |
| Biochemistry | 9 | 3 | 144 | 48 |
| | | | 944 | 240 |
| Total hours | | | | 1,184 |

### Second Year

| | | | | |
|---|---|---|---|---|
| First Semester— | | | | |
| Bacteriology, 12 weeks | 12 | 3 | 144 | 36 |
| Pathology, 4 weeks | 12 | 3 | 48 | 12 |
| Physiology | 15 | 5 | 240 | 80 |
| Second Semester— | | | | |
| Pathology | 12 | 3 | 192 | 48 |
| Pharmacology | 9 | 5 | 144 | 80 |
| Topographic Anatomy | 6 | .... | 96 | .... |
| Physical Diagnosis | .... | 2 | .... | 32 |
| | | | 864 | 288 |
| Total hours | | | | 1,152 |

THIRD YEAR

| SUBJECT | Hours per Week | | Hours per Semester | |
|---|---|---|---|---|
| | Laboratory or Clinic | Lecture | Laboratory or Clinic | Lecture |
| First Semester— | | | | |
| Pathology | 4 | 2 | 64 | 32 |
| Medicine— | | | | |
| Recitation | .... | 3 | .... | 48 |
| Physical Diagnosis | .... | 2 | .... | 32 |
| Clinic | 1 | .... | 16 | .... |
| Laboratory Diagnosis | 4 | 2 | 64 | 32 |
| 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 | .... |
| Surgical 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 | 704 |

Total hours ..... 1,200

FOURTH YEAR

| SUBJECT | Hours per Week | | Hours per Semester | |
|---|---|---|---|---|
| | Clinic | Lecture | Clinic | Lecture |
| First Semester— | | | | |
| Medicine— | | | | |
| Clinic (Yenney) | 4 | .... | 64 | .... |
| Clinic (Gilbert) | 2 | .... | 32 | .... |
| Clinic (Bell) | 1 | .... | 16 | .... |
| Dispensary | 2 | .... | 32 | .... |
| 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 |
| | | | 800 | 400 |

Total hours ..... 1,200

Grand total hours ..... 4,736

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule See announcement, page 86.**

## I. ANATOMY

Professor WILLIAM F. ALLEN Professor RICHARD B. DILLEHUNT
Assistant Professor .....

This department provides instruction in gross and microscopic human anatomy. The former is given in well-lighted and well ventilated dissecting rooms, where ample dissecting material, charts, models, articulated and disarticulated skeletons are available.

The miscroscopical laboratory is fully equipped with microscopes, models, demonstration preparations, etc., for instruction in histology, embryology and neurology. Students do not make their own microscopical preparations, but are supplied with individual histological, embryological and neurological sets, so that their full time is occupied with a study of the subject at hand.

### 1. GROSS ANATOMY, INCLUDING OSTEOLOGYY

A course in which each student dissects a lateral half of a human body. A definite amount of dissection is planned for each week, which must be satisfactorily demonstrated to the instructor before proceeding to the next.

The work is divided into three courses: 1a—Arm and Thorax; 1b—Leg and Abdomen; 1c—Head and Neck; and each course requires about ten weeks. Occasional lectures, one recitation and eleven hours' laboratory per week, both semesters.

1a—4 credit hours.
1b—4 credit hours.
1c—4 credit hours.
Assistant Professor .....

### 2. HISTOLOGY

Includes a comprehensive microscopical study of the tissues and organs of the human body, incorporating in many instances a study of their nerve and vascular supply. Considerable atten-

tion is devoted to diagnosing slides of unknown tissues and organs. One lecture, one recitation and eight hours laboratory work per week, first semester; four credit hours. Professor ALLEN.

3. EMBRYOLOGYY

This course presupposes a knowledge of maturation, fertilization, segmentation, origin of the germ layers and early development of the general systems in one of the vertebrates. The lectures will deal with the complete development of the human embryo. The laboratory work will begin with a study of the human placenta, and will include a detailed study of the organs derived from the alimentary canal, the formation of the heart, blood vessels, central and peripheral nervous system, muscles and skeleton, as is shown from serial sections of 6, 12 and 25 mm. pig embryos, dissections of 12 mm. embryos and from cleared preparations of human embryos. One lecture, one recitation and four hours laboratory work per week, second semester; three credit hours. Professor ALLEN.

4. NEUROLOGY AND ORGANS OF SPECIAL SENSE

An attempt is made in this course to secure a working knowledge of the nervous system in connection with a study of its microscopic and gross structure, applying the general method first outlined by Professor J. B. Johnston. Dissection of the human brain is accompanied by a study of a Weigert series of the spinal cord and brain stem, and by Marchi, Nissel and silver preparations of certain regions. Beginning with the general cutaneous system the various systems are taken up separately, including in each a study of the peripheral end organs, relays, and reflex arcs, and closing the course with a study of the correlated centers. One lecture, occasional recitations and five hours laboratory per week, second semester; three credit hours. Professor ALLEN.

5. TOPOGRAPHICAL ANATOMY

A course consisting of serial sections of the human body. Students are required to make careful tracings of these sections. Six hours, second semester; two credit hours. Assistant Professor .....

### 6. APPLIED ANATOMY

A course of lectures and demonstrations in surface anatomy, position of viscera, surgically important anatomy, etc. Lectures and quiz two hours a week, second semester; two credit hours. Professor DILLEHUNT.

### 7. RESEARCH

Research in any branch of anatomy open to qualified students upon approval of any of the instructors. Hours and credits to be arranged.

## II. PHYSIOLOOGY

JOHN D. MACLAREN, M. S., M. D., Professor of Physiology.
GEORGE E. BURGET, S. B., Ph. D., Professor of Physiology.
WRENN E. GAINES, Technician.

The Department of Physiology offers courses in all phases of this science, but the laboratory work is usually restricted to animal experiments, for which complete modern equipment is provided.

### 1. HUMAN PHYSIOLOGY

Advanced studies of muscle and nerve, spinal cord and brain, the senses, the human nervous system and mind. Lectures five hours, laboratory fifteen hours a week, first half of first semester, second year. Five credit hours.

### 2. NUTRITIONAL PHYSIOLOGYY

Advanced studies of circulation, respiration, secretion, nutrition, growth and heredity. Lectures five hours, laboratory fifteen hours a week, second half of first semester, second year. Five credit hours.

### 3. GENERAL PHYSIOLOGY

Conferences on the physical properties of protoplasms, the structural and energetic bases of life, and the adaptive functions of the living parts. Elective. *Hours to be arranged.*

### 4. CLINICAL PHYSIOLOGYY

Medical Physiology and Surgical Physiology, their application to elementary medicine and operative surgery of animals, illustrating the methods used with human patients. Elective

*Hours to be arranged.*

### 5. NEURONAL PHYSIOLOGYY

An elective course in verifying researches on the human nervous system, in continuation of Course 1. Hours to be arranged.

### 6. RESEARCH PHYSIOLOGY

The application of the newer researches to medicine and surgery. Laboratory practice in experimental medicine. Elective for third and fourth year medical students and graduates. Hours to be arranged.

## III. PATHOLOGY AND BACTERIOLOGY

Professor BENSON Associate Professor NORTON
Associate Professor MENNE

The Department of Pathology has the necessary facilities for the study of gross and microscopic pathology. The pathological laboratories of St. Vincent's and Good Samaritan Hospitals are under the direct supervision 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 nuember of autopsies during the year and to write a detailed report of the findings.

A complete set of sections for microscopic study is loaned 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 tissue, by the celloidin, paraffin 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 the 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 necessary apparatus, and a supply of the more important pathogenic organisms is kept on hand and continually augmented from fresh material. 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 five hours, laboratory ten hours weekly until Christmas holidays, second year. Professor NORTON.

Six credit hours

### 2 and 3. 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 museum specimens, lectures and recitations. Lectures five hours, laboratory ten hours weekly from Christmas holidays to end of second semester, second year.

Course 2—Jan. 2 to Feb. 5. Two credit hours.

Course 3—Second semester. Eight credit hours.

### 4. SPECIAL PATHOLOGICAL ANATOMY AND HISTOLOGY

This course treats the pathalogical 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. Associate Prof. MENNE. Three credit hours.

### 5. SURGICAL PATHOLOGY

This course, consisting of demonstrations of gross specimens, is given in the pathological laboratory of St. Vincent's Hospital. Associate Prof. MENNE.

### 6. SERUM DIAGNOSIS

For seniors. Elective. Hours to be arranged. Professor BENSON.

### 7. RESEARCH IN PATHOLOGY AND BACTERIOLOGY.

Open to specially qualified students. Hours to be arranged. Elective.

### 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 the chemical and bacteriologicol analysis 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. BIOCHEMISTRY

Professor HASKINS

The aim of the course is to give as complete a survey of biochemistry as possible.

The laboratory work includes extended study of proteins, lipins, carbohydrates, enzymes, digestive juices, bile, blood, milk and urine. Many pathological urines are examined. Each student performs a metabolism experiment. Especial emphasis is laid on quantitative chemical methods, including a complete analysis of water, air, milk and urine. Lectures, 3 hours, laboratory 9 hours a week, both semesters. Course 1a, 1st semester, 6 credit hours. Course 1b, 2d semester, 6 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; second semester. Five credit hours.

### 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; second semester. Five credit hours.

### 3. PHARMACOLOGY

A continuation of Course 2, completing the subject. Lecture two hours for ten weeks, first semester. One and one-half credit hours.

### 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, six weeks first semester One and one-half credit hours.

### 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. 1 credit hour.

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 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
Professor Haskins Dr. Brill

### 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 text assignments. 3 hours a week, both semesters, 3d year.

Dr. KNOX. Course 1a, 1st semester, 3 credit hours. Course 1b, 2d semester, 3 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. TUBERCULOSIS CLINIC

A course in the diagnosis and treatment of tuberculosis.
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, microscopic, and bacteriologic examination of blood, urine, sputum, gastric contents, feces, secretions and exudates. The course includes many of the recent methods of quantitative analysis of blood and urine, e. g., urea, sugar, hydrogen ion concentration and alkali reserve of blood; urea, ammonia, creatinin, acetone, phenolsulphonephthalein elimination, and hydrogen ion concentration of urine. The technique of the Wasserman and Lange tests is demonstrated. Two lectures and four laboratory hours per week, 1st semester, 3d year. Professor HASKINS, Dr. BRILL. Three 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.

### II. HYGIENE AND SANITATION

A course treating of practical hygiene with instruction in municipal sanitation, food control and garbage destruction, and the relation of these 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 medicine 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. A well equipped clinical laboratory is at the service of the students. Assistant Professor SELLING, Assistant Professor KNOX Assistant Professor COFFEN, Dr. BRILL. Two credit hours.

### 17. TROPICAL MEDICINE

This is a lecture and laboratory course upon the important tropical diseases. 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, 2d 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. 2 hours a week, 1st semester, 4th year. Professor JOSEPHI. Two credit hours.

### 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, 2 hours a week, 1st semester, 4th 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.

### 4. 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. BILDERBACK
Dr. ROSENFELD — 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. 3 hours a week, 2d semester, 3d year. Dr. BILDERBACK.

Three credit hours.

### 2. DISEASES OF INFANCY AND CHILDHOOD

A coference and lecture course in diseases of infancy and childhood. 3 hours a week, 1st 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. PARKER

Lectures, recitations, demonstrations and clinical work will be conducted in dermatology and syphlis 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. 2 hours a week, 2nd semester, 3d year. Assistant Professor KING.

Two credit hours.

### 2. DERMATOLOGY AND SYYPHILIS

A continuation of Course 1. 2 hours a week, 1st semester, 4th year. Assistant Professor KING. Two credit hours.

### 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. P. ROCKEY — Dr. C. T. ROSS
Dr. HYNSON — Assistant Professor ELSE — Dr. WADE
Dr. SHEA — Dr. BROWNING — Dr. A. C. SMITH
Dr. HOLDEN — Dr. NORDEN — Dr. E. ROCKEY — Dr. MCCLURE
Dr. HAMILTON — Dr. JESSUP

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 anaesthetist 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 textbook of surgery. 2 hours a week, both semesters, 3d year. Associate Professor ZAN, Dr. PAUL ROCKEY.

1a, 1st semester, 2 credit hours
1b, 2d semester, 2 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 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, ligation 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.

### 6a. SURGICAL PATHOLOGY AND DIAGNOSIS

A course dealing with the gross pathology of surgical diseases in relation to diagnosis. 2 hours a week, 2d semester, 4th year. Multnomah Hospital. Assistant Professor ELSE.

Two credit hours.

### 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.

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. Assistant Professor WHITESIDE, Dr. SHEA, Dr. ROSS, Dr. HYNSON, Dr. ROCKEY, 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. ANASTHESIA

A course in the physiologic effects and the technique of administration of anaesthetics. 1 hour a week, 1st semester, 4th year. Dr. BROWNING. 1 credit hour.

## 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. 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 practice 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 out-patient 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 years. Professor TUCKER, 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, 1st semester, 4th year. Professor TUCKER. Two credit hours.

### 3. PRACTICAL GYNECOLOGY

Dispensary work will be assigned to Senior students. Hours to be arranged. Professor TUCKER, 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. Professor MACKAY and Assistant Professor WHITESIDE.

One-half credit hour.

## XIV. OPTHALMOLOGY, OTOLOGY, RHINOLOGY, AND LARYNGOLOGY

Professor NUNN Dr. COGHLAN
Dr. RALPH FENTON Dr. KIEHLE Dr. DICKSON
Dr. AINSLIE Dr. WRIGHT 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 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. WRIGHT. 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. Dr. 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 year 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. WRIGHT.

# 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. DAISY 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.

HOWARD T. ANNETT, Instructor in Piano.

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, Instrctor in Public School Music.

FRANK V. BADOLLET, Instructor in Flute.

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

**In the announcement below the content of the courses only is correct. The hours of credit and the days of recitation will be changed in conformity with the new schedule. See announcement, page 86.**

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 No. 13.)

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. *Three hours, each semester.*

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. Prequisite: Har-

*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 counterpoint. 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 gen eral. 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 schools, 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.*

## DEGREES

Candidates for the degree of Bachelor of Music must have complete dthe entrance requirements of the University before beginning the course. The following requirements for candidates for the Music Bachelor degree give the credit which ought to be given to the practical work in music, allow a full course in the theoretical work, and also 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 the 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, technique 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 voice 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<br>Mr. Lyman<br>Mrs. Thacher | $30.00 | $55.00 |
| Mr. Badollet<br>Miss Forbes<br>Mr. Annett | 25.00 | 45.00 |
| Mr. Perfect<br>Miss Watkins | 18.50 | 35.00 |
| Miss Davis<br>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 lessons a week:

When the semester rate is $30.00.....$1.80 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 five 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.

# THE EXTENSION DIVISION

## FACULTY

P. L. CAMPBELL, B. A., LL. D., President of the University.
EARL KILPATRICK, B. A., Director of The Extension Division.

### Department of Extension Teaching.

MOZELLE HAIR, B. A., Secretary.

**Correspondence Studey:**

PERCY PAGET ADAMS, B. S.
Mechanical Drawing
Descriptive Geometry
Freehand Lettering

JOHN FREEMAN BOVARD, Ph. D.
Bird Study

WILLIAM PINGRY BOYNTON, Ph. D.
Electricity and Magnetism
Elementary Physics
College Physics
History and Teaching of Physics
Sound and Music

R. W. BROECKER, B. A.
Secondary Education

ROBERT CARLTON CLARK, Ph. D.
English History
General European History
European History Since 1815

EDMUND S. CONKLIN, Ph. D.
Elementary General Psychology
Elementary Psychology, Short Course

EDGAR EZEKIEL DECOU, M. S.
Differential and Integral Calculus
Teaching of High School Mathematics

JAMES HENRY GILBERT, Ph. D.
The Principles of Economics
Money, Banking and Economic Crises

HERBERT CROMBIE HOWE, B. A.
Shakespeare
Socially Significant Literature of Today
The English Novel in the 19th Century

CHESTER T. KRONENBERG, B. A.
Elementary Algebra, A 1, A 2, and A 3.
Plane Geometry, G 1 and G 2
Solid Geometry, G 3.

D. WALTER MORTON, M. A., C. P. A.
Bookkeeping and Accounting Principles
General Organization of Business
Salesmanship

JOHN P. O'HARA, Ph. B.
American Political History

MABLE HOLMES PARSONS, M. A.
Advanced Short Story Writing
Teachers' English, Course 2

MARY HOLLOWELL PERKINS, M. A.
Entrance English Composition
College English Composition
College American Literature

ROBERT W. PRESCOTT, B. A.
Debating

GEORGE REBEC, Ph. D.
Philosophy

JOSEPH SCHAFER, Ph. D.
Oregon History

FRIEDRICH GEORG SCHMIDT, Ph. D.
Elementary German (First Year)

HENRY DAVIDSON SHELDON, Ph. D.
School Administration
Secondary Education
History of Modern Elementary Education

WARREN D. SMITH, Ph. D.
Geology

FRED L. STETSON, M. A.
Educational Psychology

ALBERT RADDIN SWEETSER, M. A.
Botany

W. F. G. THACHER, M. A.
Commercial English

IDA V. TURNEY, M. A.
Short Story
Teachers' English, Course 1

MARY WATSON, M. A.
Shakespeare

FREDERICK GEORGE YOUNG, B. A.
Railroad Transportation
The Elements of Sociology

**Extension Classes:**

PERCY PAGET ADAMS, B. S.
Descriptive Geometry, Sec. A and Sec. B (Portland)
Advanced Descriptive Geometry (Portland)
Graphic Statics, A and B

JOHN FREEMAN BOVARD, Ph. D.
Bird Study (Eugene)
Biology (Portland)

ANSEL R. CLARK
Foreign Trade (Portland)

BURCHARD WOODSON DEBUSK, Ph. D.
Child Psychology (Portland, Salem and Albany)

ROSWELL DOSCH
Drawing From Life (Portland)
Modeling From Life

J. HUGH JACKSON
Banking (Albany, Eugexe)

JOHN J. LANDSBURY, Mus. Bach., Mus. Dr.
Musical Understanding (Portland)
Science of Music (Portland)

ELLIS FULLER LAWRENCE, M. S.
Architectural Design (Portland)

EDWARD HIRAM MCALISTER, M. A.
Astronomy (Portland)

G. ROBERT MCAUSLAN
Salesmanship (Portland, Baker, La Grande, Pendleton, Salem, Albany and Marshfield)

D. WALTER MORTON, M. A., C. P. A.
Class for Bankers (Portland)
Class for Credit Men (Portland)
Accounting
Practical Banking (Salem)

MABLE HOLMES PARSONS, M. A.
Drama (Portland)
Short Story (Portland)
Teaching of English (Portland)
Literature (Portland Women's Club)
Literature (Laurelhurst Club)

GEORGE REBEC, Ph. D.
Philosophy (Portland)
Art Class (Portland Woman's Club)

LOUIS C. ROSENBERG
Pen and Pencil (Portland)

HENRY DAVIDSON SHELDON, Ph. D.
Current Problems in American Education (Portland)

WARREN D. SMITH, Ph. D.
Geology (Portland)

ALBERT RADDIN SWEETSER, M. A.
Botany (Portland)

JOHN GUY WILSON
Class for Credit Men (Portland)

READERS

CECILIA SMITH BELL, B. A.
Literature

JOSEPH C. BELL
Education

BURLE BRAMHALL
Commerce

EDNA DATSON, B. A.
History

CELIA V. HAGAR, B. A.
German
Psychology

NICHOLAS JAUREGUY
Debating

E. L. KEEZEL, B. A.
Education

CHESTER T. KRONENBERG, B. A.
Mathematics

MARY LOWELL REBEC, B. A., M. A.
English

ETHEL I. SANBORN, M. A.
Botany

J. ANDRE WELLS, B. A.
Physics

### Department of Social Welfare

FRED D. MERRITT, Ph. D., Head of Department.
BEN H. WILLIAMS, M. A., Secretary.

**Faculty Lecturers:**

FRED CARLTON AYER, Ph. D.
What Knowledge is of Most Worth
Experimental Education
The School as a Community Center
Drawing as a Language

R. W. BROECKER, B. A.
School Sanitation
The Effect of Various Children's Diseases on Retardation
Discipline
The Meaning of an Education

EDGAR EZEKIEL DECOU, M. S.
Ultimate World Peace and the World War
Twentieth Century Canada
The Teaching of High School Mathematics

FREDERIC STANLEY DUNN, M. A.
- Subjects from the Latin Classics
- Historical Subjects
- Antiquities and Archaeology
- Church and Biblical Topics
- Latin Wit and Humor

CHARLES H. EDMONDSON, Ph. D.
- Japan
- China and Her Problems
- Insects and Disease
- Prehistoric Life in America
- Tahiti of the South Seas

JAMES H. GILBERT, Ph. D.
- Rural Credits
- Taxation and Vexation
- Education and Democracy
- Topics of Interest to Working Classes
- Democracy and Great Fortunes
- General Topics in the Field of Economics

EARL KILPATRICK, B. A.
- The Evolution of the Oregon Rural Community
- The Use of Motion Pictures in Education
- Advantages and Disadvantages of Rural School Consolidation
- Union High Schools

JOHN J. LANDSBURY, Mus. Bach., Mus. Dr.
- A Peep into the Workshop of Music
- The Mathematics of Music
- The Psychology of Music
- The Place of Music in the Scheme of Education
- The Problems of Public School Music
- Other Topics in the Field of Music

FRED D. MERRITT, Ph. D.
- The Building of a Community
- Co-operation of Town and Country
- Social Centers
- What Commercial Clubs Can Do
- The School and the Community

UNIVERSITY OF OREGON LIBRARY, EUGENE

Social Justice
The Coming Citizen

JOSEPH SCHAFER, Ph. D.
America's Social Future
Topics in Oregon or Western History
Topics in History Relating to the European War
Conditions of Community Progress

WARREN D. SMITH, Ph. D.
Philippine Islands
China and Japan
Egypt
Geological Subjects

ORIN FLETCHER STAFFORD, M. A.
Topics Connected With Chemistry
Popular Science Lectures

ALBERT RADDIN SWEETSER, M. A.
Oregon Wild Flowers
Native Trees and Shrubs of the State
Ferns, Past and Present
The Physical Bases of Heredity
Sensible Sanitation and Health Hygiene

RAYMOND HOLDER WHEELER, Ph. D.
Psychology and Everyday Life
Psychology of the Blind
European Universities
Psychology in Europe

MARY E. WATSON, M. A.
Shakespeare Lectures
Social Problems in the English Novel
The Aesthetics of Ruskin
General Discussion of English Literature

BEN H. WILLIAMS, B. A.
Safety for Oregon Workmen
Safety in the Street, Home and Workshop

## THE EXTENSION DIVISION

The Extension Division, with its present scope of activity, came into being in the fall of 1912 when Joseph Schafer, Ph. D.,

was made head of the correspondence-study department. The correspondence-study work had been in operation from the fall of 1907.

## ORGANIZATION OF THE EXTENSION DIVISION

Extension work from the University falls under two general heads: instruction and welfare. Each department has the time of a secretary. In the main, extension service through both departments is rendered by members of the regular faculty who give freely of their time during week-ends, vacation periods and evenings in answer to the call for University advantages and opportunities that comes in from every part of the state.

## DEPARTMENT OF EXTENSION TEACHING

Mozelle Hair, Secretary

This department has to do with instruction through correspondence-study and extension classes and with the teachers' reading circle work.

Through correspondence-study, courses for graduate and undergraduate college credit and for entrance credit are given in botany; commerce (five courses); debating; architectural drawing (three courses); economics and sociology (four courses); education (six courses); English (six courses; geology; German (first year); history (five courses); literature (six courses); mathematics (eleven courses); philosophy; physics (five courses); psychology (two courses); and zoology (bird study). Seven other courses will be available during the present calendar year: economics of business organization; contemporary poetry; business correspondence; modern dramatists; contemporary English novelists; German (second year); and Spanish (first year). The Division issues a special catalog of correspondence-study courses. Write for it if you are interested.

Extension classes are given in centers of population where a sufficient number of people interested in University work gather together and request the services of an instructor. As this work has to be done by regular campus instructors during hours stolen from their leisure, the number of courses that can

be offered is limited. During the calendar year of 1916, extension classes were held in Portland, Eugene, Albany, Marshfield, Salem, Pendleton, La Grande, and Baker.

Reading circle work for Oregon teachers is based upon books chosen by the State Superintendent of Public Instruction. Every teacher in the state, outside of the first-class districts, is required to do this work. Outlines prepared by the extension teaching department may be used as bases for papers to be submitted to this department for review. For each paper that is found satisfactory, the department issues a certificate of reading done that is accepted by the county superintendents as evidence of fulfillment of the statutory requirement. More than 4800 certificates were issued during the reading circle year of 1915-16. For detailed information, lists of books, or questions on any of the books, write to the Secretary of this department.

## DEPARTMENT OF SOCIAL WELFARE

FRED D. MERRITT, Ph. D., Head of Department
BEN H. WILLIAMS, Secretary

This is the department through which the University exercises in the extension field its functions of research, education and publication in those phases of its work and interest that do not have to do strictly with instruction in courses. In time, if the present rapid growth of the extension work continues, the organization from this department of other departments—visual instruction, debating and public discussion, as well as legislative and municipal reference, etc.—will restrict what is now really a department of miscellaneous activity to a line of work that will fall wholly under its title.

The chief activities of this department, as they are at present developed, have to do with general extension lecture work, community welfare, child welfare, promotion of industrial and public safety, promotion of debating and public discussion, visual instruction and co-operation with the alumni.

The general extension lecture work is being restricted and brought more largely into the form of organized programs of effort. The teachers' institutes, both general and local, community institutes, gatherings for definite purposes of advance-

ment or improvement—groups who have a definite interest that can be served by a course of lectures—command the attention and the funds of the division more readily than groups that are merely vaguely aware that they want a lecture. The members of the faculty who are available upon occasion for lecture work, together with the lectures that they prefer to give, will be found listed on other pages.

Community welfare work has been inaugurated this year under the leadership of Fred D. Merritt, Ph. D. Dr. Merritt will doubtless have further announcement of his plans in printed form in the near future.

Governor James Withycombe has asked that the child welfare commission for the state be hereafter organized as a definite part of the work of this department of the Extension Division, and has appointed as members of this commission: B. W. DeBusk, Professor of Educational Psychology, Edmund S. Conklin, Professor of Psychology, Elizabeth Fox, Dean of Women, George Rebec, Professor of Philosophy, and Earl Kilpatrick, Director of the Extension Division, ex-officio chairman.

The Oregon Council for Industrial Safety was organized in August, 1916. It consists of the Industrial Accident Commission. the State Labor Commission, and the Extension Division. Its purpose is to reduce the number of accidents in Oregon industry. This purpose is sought through educational work in mills and factories. The secretary of this federation is Ben H. Williams, who is also secretary of this department in the Extension Division. The University also co-operated in the organization of the Portland Safety Forum. The Extension Division is represented in this forum by James H. Gilbert, Ben H. Williams and Earl Kilpatrick.

The Oregon High School Debating League is administered from the office of this department. Special catalog, announcements and information may be had from Earl Kilpatrick, Secretary-Treasurer.

The Extension Division is entering in a large way the field of visual instruction through slides, motion pictures and exhibits. Detailed information may be secured from the secretary of this department.

## POLICY OF EXTENSION CENTERS

The Board of Regents has endorsed the recommendation of this Division that policy of extension centers be inaugurated and that the first of these centers, that of the city of Portland, be created and established. This marks the beginning of a policy that will have far-reaching results but which is as yet, owing to lack of funds, merely a declaration of intention. For several years, the Division has maintained an office in Portland, now located in Room 451 of the Multnomah County Courthouse, available through the courtesy of the County Commissioners.

## PUBLICATIONS OF THE EXTENSION DIVISION

The Extension Monitor, the organ of the Department of Extension Teaching, is a monthly magazine sent to all registered students and to others interested in the articles published.

The Oregon Leaflet Series is a monthly publication used for announcements, and brief monographs. Its mailing list varies with its subject matter.

The Division also publishes annually a catalog of its correspondence-study courses, one or more announcements of its extension classes, a statement of the material available through visual instruction, a report of the child welfare commission, and a bulletin of the Oregon High School Debate League. These publications are available upon request.

## SUMMER SCHOOL

### FACULTY

P. L. CAMPBELL, LL. D., President of the University.

JOSEPH SCHAFER, Ph. D., Director of the Summer School and Instructor in History.

EDNA W. BAILEY, Ph. D., University of California. Instructor in Zoology.

W. H. BOYER, Director of Music, Portland Public Schools. Director, and Instructor in Music.

W. P. BOYNTON, Ph. D., Professor of Physics, University of Oregon. Instructor in Physics.

A. E. CASWELL, Ph. D., Asst. Professor of Physics, University of Oregon. Instructor in Physics.

J. A. CHURCHILL, M. A., State Superintendent of Public Instruction. Lecturer in Education.

ROBERT CARLTON 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 French and Spanish.

EDMUND S. CONKLIN, Ph. D., Professor of Psychology, University of Oregon. Instructor in Psychology.

B. W. DeBUSK, Ph. D., Professor of Education, University of Oregon. Instructor in Education.

EDGAR E. DeCOU, M. A., Professor of Mathematics, University of Oregon. Instructor in Mathematics.

M. H. DOUGLASS, A. B., Librarian, University of Oregon. Instructor in Library Science.

FREDERIC STANLEY DUNN, M. A., Professor of Latin, University of Oregon. Instructor in Latin.

CHARLES R. FRAZIER, M. A., Superintendent of Schools, Everett, Wash. Instructor in Education.

ALBERT N. FRENCH, M. A.,Instructor, University of Oregon High School. Instructor in Education.

JAMES HENRY GILBERT, Ph. D., Professor of Economics, University of Oregon. Carnegie Foundation Lecturer in Internationalism.

FRIEDA GOLDSMITH, B. A., Instructor in Physical Education, University of Oregon. Instructor in Physical Education.

G. STANLEY HALL, LL. D., President of Clark University. Lecturer in Education.

LAURA HATCH, Ph. D., Professor of Geology, Smith College, Mass. Instructor in Geology and Geography.

FREDERICK C. KENT, M. A., Professor of Mathematics, Albany College. Instructor in Mathematics.

HENRY CHURCHILL KING, LL. D., President of Oberlin College. Lecturer in Education and Philosophy.

ROBERT KROHN JR., B. A., Instructor in Physical Training, Portland. Instructor in Physical Education.

HAROLD G. MERRIAM, M. A., Professor of English, Reed College, Portland. Instructor in English.

D. WALTER MORTON, C. P. A., Dean of the School of Commerce, University of Oregon. Instructor in Commerce.

FRIEDRICH G. G. SCHMIDT, Ph. D., Professor of German, University of Oregon. Instructor in German.

J. DUNCAN SPAETH, Ph. D., Professor of English, Princeton University. Instructor and Lecturer in English.

ORIN F. STAFFORD, M. A., Professor of Chemistry, University of Oregon. Instructor in Chemistry.

FREDERICK C. STETSON, M. A., Assistant Professor of Education, University of Oregon. Instructor in Education.

JOHN TIMOTHY STONE, D. D., Pastor of Fourth Presbyterian Church, Chicago, Ill. Lecturer in Social Ethics.

ALBERT RADDIN SWEETSER, M. A., Professor of Botany, University of Oregon. Instructor in Botany.

W. F. G. THACHER, M. A., Professor of English, University of Oregon. Instructor in English.

GEORGE TURNBULL, M. A., Assistant Professor of Journalism, University of Oregon. Instructor in Journalism.

ESTHER W. WUEST, Director of Art, Portland Public Schools. Instructor in Drawing and Design.

FREDERICK G. YOUNG, B. A., Professor of Economics and Sociology, University of Oregon. Instructor in Sociology.

RUTH G. SMITH, Assistant in Physical Education.

....., Assistant in Chemistry.

C. N. PATTERSON, Assistant in Physics.

....., Reader in English.

## GENERAL INFORMATION

The thirteenth annual summer session of the University of Oregon will open Monday, June 18, 1917. Lectures begin on the opening day at 8:00 o'clock. The session will run three weeks, then take a recess for one whole week during the N. E. A., resume on July 16, and close on Friday, August 3, 1917.

## PURPOSE OF THE SESSION

The University, in offering this six weeks' 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 and women, limit their vacations to one month or less, the argument that the teacher requires the entire 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 splendid 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 great centers of learning.

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## TERMS OF ADMISSION

The presentation of fifteen credit hours of high school work, which shall include three years of English, two years of mathematics, two years of some foreign language, one year of science and one year of history, admits to full freshman standing in the University, provided the student desires to pursue one of the regular courses of study for the usual number of hours per 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 is made:

Any person who has taught or is authorized to teach a school in this State, under a regular certificate, is entitled to the privileges of the University Summer School whether or not he has attained the 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.

## CREDIT 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.

## 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 Eugene.

The main dining hall at the University Dormitory (Friendly Hall) 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 $5.00 per week.

The University will furnish rooms and board for both men and women, rooms for men being at Friendly Hall and for women at Mary Spiller Hall, 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 at 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 about 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 specially attractive summer resorts.

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 a delightful place for canoeing and picnicking. Tennis courts, baseball diamonds, golf links, 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 in the reception room of Friendly Hall or on the lawn in front of the President's house. In addition to the numerous picnics on the race and river, and the continuation of the delightful custom inaugurated four years ago of taking picnic suppers on the University campus, there will be the annual excursion to the beautiful McKenzie River and to other points of interest.

This year the "Mazamas," the western club of mountain climbers, will start on their summer outing immediately after the close of the summer session, going to the snow covered peak Mt. Jefferson in the Cascade Range. Teachers who will have just finished their summer session at the University will be able to connect with this expedition very conveniently.

During the session itself there are also opportunities for boating, golfing, picnicking, and fishing parties at week-ends, as well as other social attractions much prized by those who have already acquired the Oregon Summer School habit.

## 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 11:00 o'clock, have brought

Summer School students in touch each year with some of the recognized masters of education, literature, philosophy, religion, history and science. Illustrative of the quality of the University Summer School lecturers is the list of those who lectured in the years 1914-16: 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; Supt. L. R. Alderman, of Portland; Dr. George Rebec, of Oregon; G. Stanley Hall, President of Clark University, Worcester, Mass.; Dr. J. Duncan Spaeth, of Princeton; Professor Charles Forster Smith, of Wisconsin; Professor E. B. Cubberley, of Stanford; Dr. Henry D. Sheldon, of Oregon; Professor William S. Morgan, of Berkeley, California; Professor Edw. A. Kirkpatrick, of Fitchburg Normal School, Fitchburg, Mass.; and Dr. R. W. Wenley, of the University of Michigan.

## LECTURERS FOR THIS SEASON

The record for the past years will be maintained in the high quality of the lectures that are being planned for this year The lectures each week will be as follows:

1st week: Dr. J. Duncan Spaeth, of Princeton.

2nd week: Monday and Tuesday, Dr. John Timothy Stone, of the Fourth Presbyterian Church, Chicago.

Wednesday, President P. L. Campbell, of U. of O.

Thursday, Mr. Earl Kilpatrick, of U. of O.

Friday, Dr. Joseph Schafer, of U. of O.

3rd week: Dr. J. Duncan Spaeth, of Princeton.

4th week: Professor James Henry Gilbert, representative of the Carnegie Endowment for Peace and Conciliation, first four days.

Superintendent J. A. Churchill, Friday.

5th week: Henry Churchill King, President of Oberlin College.

6th week: G. Stanley Hall, President of Clark University.

# DEGREES CONFERRED

Degrees have been conferred as follows since June 4th, 1916:

## THE DEGREE MASTER OF ARTS UPON

George L. Koehn
Edward Erie Lane
Lucy Townsend Wedding

## THE DEGREE MASTER OF ARTS IN PUBLIC SERVICE AND RESEARCH UPON

Caroline J. Gleason

## THE DEGREE BACHELOR OF ARTS UPON

Louise Grace Bailey
Paul E. Baker
Merlin George Batley
Leslie Burton Blades
Katherine Bridges
Eva Lenoire Brock
Eyler Brown
John Prentiss Brown
John Clark Burgard
Esther Campbell
Constance Cartwright
Esther Emily Chalmers
Walter E. Church
Marie Churchill
Anson B. Cornell
James K. Cossman
Dean P. Crowell
Helen M. Crump
Bess L. Cushman
Cloyd O. Dawson
Harry T. Drill
Wallace Eakin
Grace Hartley Edgington
Clara Agnes Erdman
Chester Anders Fee
Charlie R. Fenton
Clarence Eugene Ferguson
Mina Ferguson
Wilmot Coyne Foster
Rita E. Fraley
Dean Gilkey
Lois Elizabeth Gray
Dorothy Hermine Groman
Olin C. Hadley
Claud Arnold Hampton
Earl W. Heckart
Ercel C. Hedrick
Heinrich Heidenreich
Henry Van Wagenen Howe
George Chester Huggins
Harold Franklin Humbert
Jennie Hunter
Lionel Roscoe Hurd
Evangeline Augusta Husband
Ida Lewis Johnson
May Benson Johnson

Enos L. Keezel
Bertha Kincaid
Georgia Kinsey
Harry L. Kuck
Grace Lilly
Beatrice May Locke
Nellie May Lombard
Grace S. Mackenzie
William Robert McMurray
J. Chester Miller
Marjorie Viola Miller
Elizabeth Leora Minturn
William J. Montgomery
Earl Richard Morrison
Edith Frances Moxley
May Neill
Edith Ochos
Clairel LeRoy Ogle
Donald George Onthank
Donald Turner Orput
Hulda Parry
Virginia Adell Peterson
Erna Eleonora Petzold
Jessie Purdy
Martha Claire Raley
Helen Robinson
Genevieve Shaver
Cleveland Sylvester Simpkins
Max Herbert Sommer
Katherine M. Stanfield
Roy T. Stephens
Mary Frances Stevenson
Mable May Stroud
Lamar Tooze
Leslie Orland Tooze
Jewell Maryon Tozier
Katherin Watson
Mandell Weiss
Glanville C. Wheeler
John Wilhelm
Vera Williams
Hermes Harry Wrightson
Jessie Darl Zimmerman

THE DEGREE BACHELOR OF SCIENCE UPON

Lewis Alexander Bond
Leonard M. Buoy
Grant W. Shaffner
Jo Kichi Tominaga
Carroll M. Wagner
Bess Young-Clark

THE DEGREE BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

James L. Watson

THE DEGREE BACHELOR OF MUSIC

Mona E. Dougherty
Myrtle Kem

### THE DEGREE DOCTOR OF MEDICINE

Walter W. Black
Horace P. Belknap, Jr.
Frank E. Butler
Charles W. Carter
Harry S. Harding
Tokuji Hirata
Floyd B. Lawton
Claude A. Lewis
Charles R. McColl
William C. Munly
Ray E. Pomeroy
Charles G. Rattner
Robert A. Sherwood
Wilbur H. Thompson
Joseph A. Trommald
Henry Ulvin
Ray M. Waltz

## HIGHEST HONORS

The following students have been awarded Highest Honors in the subjects listed below:

CHEMISTRY

Lewis Bond

ECONOMICS

Roscoe L. Hurd
Max Sommer
Lamar Tooze
Leslie Tooze

ENGLISH

Grace Hartley Edgington

MATHEMATICS

Elizabeth Minturn

RHETORIC

Henry V. Howe

### HONORS IN GENERAL SCHOLARSHIP

Grace Hartley Edgington
Mina Ferguson

# STUDENDS ENROLLED

## GRADUATE SCHOOL

Name — Home Address

H. E. Brnhart, M. A., University of Oregon, 1915.....Independence
Ormond R. Bean, B. S., University of Oregon, 1909.....Eugene
Leslie B. Blades, B. A., University of Oregon, 1916, San Dimas, Cal.
Lewis A. Bond, B. A., University of Oregon, 1916 .....Eugene
Paul G. Bond, B. A., University of Oregon, 1908 .....Eugene
Eyler Brown, B. A., University of Oregon, 1916.....Eugene
Fanny Chase, Albany College .....Eugene
Walter E. Church, B. A., University of Oregon, 1916.....Eugene
Cloyd O. Dawson, B. A., University of Oregon, 1916.....Tillamook
Grace H. Edgington, B. A., University of Oregon, 1916...Hood River
Charlie R. Fenton, B. A., University of Oregon, 1916.....Portland
M. H. Goodwin, B. A., University of Oregon, 1915 .....Eugene
Lois Elizabeth Gray, B. A., University of Oregon, 1916...Eugene
Celia V. Hager, B. A., University of Oregon, 1912.....Eugene
Harold Franklin Humbert, B. A., University of Oregon.....Eugene
Lionel Roscoe Hurd, B. A., University of Oregon, 1916 ...Florence
Roy Johnson, B. A., University of Oregon, 1915.....Gresham
E. L. Keezel, B. A., University of Oregon, 1916.....Eugene
Chester T. Kronenberg, B. A., University of Oregon, 1913...Fairview
E. Erie Lane, M. A., University of Oregon, 1916.....Eugene
John Franklin Leggett, B. A., University of Oregon, 1914...Eugene
Cecil A. McKay, B. A., University of N. Dakota, 1914, Forest Grove
Ruth McLaren Onthank, B. A., University of Oregon, 1914 ...Eugene
Cleveland S. Simpkins, B. A., University of Oregon, 1916.....Salem
J. Andre Wells, B. A., University of Oregon, 1915.....Eugene

## COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

Name — Home Address

Florin Sprague Adam ....Ontario
Rena I. Adam .....Ontario
Chester Elgin Adams, Myrtle Point
Marion Elizabeth Ady ...Eugene
Caroline Alexander .....Portland
Floyd M. Alexander.....
.....Mt. Vernon, Wn.
Virgil Alexander .....
.....Santa Maria, Cal.
Louise H. Allen .....Eugene
Marie Louise Allen .....Eugene
Raymond Nelson Allen ...Eugene
William Pope Allyn.....Portland
John Conrad Almack .....Eugene
Walter B. Amspoker .....Riddle
Ellen May Anderson ....Portland
Helen C. Anderson .....Portland
Leland Stanford Anderson,....
..... Portland
Howard Annett .....Galena, Ill.
Lucien P. Arant .....Monmouth
Guy E. Armantrout .....
..... Cape Girardeau, N. W.
Jory Kenneth Armstrong .....
..... Jefferson

Name — Home Address

Robert Howard Atkinson .....
..... Cottage Grove
Stanley C. Atkinson .....
.....Regina, Sask., Canada
Elizabeth D. Aumiller .....
..... North Yakima, Wn.
J. Bothwell Avison ....Pendleton
Richard B. Avison .....Salem
Nanna C. Axtell .....Eugene

Avon D. Babb .....Eugene
Jerald S. Backstrand ..Portland
Marie S. Badura .....Portland
Margaret Edna Bailey .....
..... Junction City
Mary Ellen Bailey .....Eugene
Maryellen Bailey .....Eugene
Walter Bailey .....Springfield
Lyle M. Bain .....Albany
Elva Anne Bagley.....Miller
Alice Marie Baker .....Salem
Frances Elizabeth Baker .....
..... Hood River
Ferieda Ball .....Astoria

| Name | Home Address |
|---|---|
| Clayton M. Baldwin, Spokane, Wn. | |
| Lillian May Bancroft | Eugene |
| George Wayne Baney | Eugene |
| Mary Withycombe Baney, Eugene | |
| Charlotte Jane Banfield | Portland |
| Walter H. Banks | Portland |
| H. Wayne Barbour | Eugene |
| Harold Baede | Portland |
| Roy E. Barker | Salem |
| Sara Anne Barker | Astoria |
| John Golden Barnett | Wasco |
| Lola Esther Barr | Springfield |
| Lyle P. Bartholomew | Salem |
| William K. Bartlett | Estacada |
| Marie Louise Bartness, Hood River | |
| Leo H. Baruh | Portland |
| Agnes Basler | Portland |
| Rosalind B. Bates | Eugene |
| Franklin L. Beach | Portland |
| Selma Bauman | Portland |
| Allie Marie Beach | Portland |
| Curtis L. Beach | Portland |
| Karl G. Becke | Aurora |
| John Beckett | Portland |
| Frances Mabell Beebe | Eugene |
| June Beebe | Eugene |
| Lewis Charles Beebe | Eugene |
| Horton Beeman | Gold Hill |
| Martha E. Beer | Arcata, Cal. |
| Don Belding | Grants Pass |
| Jean H. Bell | Pioneer |
| Joseph Clark Bell | Rickreall |
| Jack W. Benefiel | Portland |
| E. Allen Bennett | Seattle, Wn. |
| Dorothy H. Bennett | Portland |
| Edward E. Bentley | Newport |
| J. Arthur Berg | Portland |
| Noemi Yvonne Bernard, The Dalles | |
| Ernest W. Bills | McMinnville |
| Grace Bingham | Eugene |
| Dora Birchard | Grants Pass |
| Archie E. Bird | Vancouver, Wn. |
| John A. Black, | Portland |
| Mildred Black | Medford |
| Bill Bernard Blackaby | Ontario |
| Larue Blackaby | Ontario |
| Iris deNoyelles Blewett | Eugene |
| Frances Elizabeth Blurock | Vancouver, Wn. |
| Percy Boatman | Spokane, Wn. |
| Morris B. Bocock | Grants Pass |
| Ruby Bogue | Eugene |
| Lillian Bohnson | Portland |
| Albert Lee Bostwick | Baker |
| Margaret Bounds | Myrtle Creek |
| Ralph True Bowden | Eugene |
| Alexander Bowen | Portland |
| Ira Beniamin Bowen, Jr. | Baker |
| Marion E. Bowen | Jacksonville |

| Name | Home Address |
|---|---|
| Albert J. Bowles | Portland |
| Angela Bowler | Pendleton |
| J. Howard Bowles | Wasco |
| Joseph D. Boyd | Lodi, Cal. |
| Ralph E. Boyd | Brownsville |
| Elmer G. Boyer | McCoy |
| Ezra L. Boyer | Rickreall |
| Ernest L. Boylen | Pendleton |
| Lillian Boylen | Pendleton |
| Edythe Flora Bracht | Portland |
| Helen L. Bracht | Eugene |
| Victor D. Bradeson | Salem |
| Burle D. Bramhall | Baker |
| James C. Brandon | Medford |
| Creed Brattain | Springfield |
| Bert Bernard Breeding | Portland |
| Elmer Brenton | Eugene |
| Helen Brenton | Eugene |
| Mabel C. Brigham | Eugene |
| Arlo Bristow | Eugene |
| Harold Rhea Brock | Pendleton |
| William Elmore Broder | Eugene |
| Earl C. Bronaugh, Jr., Milwaukie | |
| Glenn Edwin Brookins | Salem |
| Florence A. Brosius | Hood River |
| Mildred C. Broughton | Portland |
| C. Mortimer Brown | Portland |
| Dennis B. Brown | Kellogg, Ida. |
| Lurline Brown | Lebanon |
| Mildred Aileen Brown | Spokane, Wn. |
| Mildred G. Brown | Medford |
| Royce Coney Brown | Canby |
| Roy F. Brown | Kellogg, Ida. |
| Walter D. Brown | Medford |
| Elizabeth Cornelia Bruere | Portland |
| Hugh D. Brunk | Eugene |
| Velma Lee Brunk | Eugene |
| Clarence W. Brunkow | Portland |
| Howard J. Bull | Salem |
| Sam C. Bullock | Portland |
| Everett I. Burch | Portland |
| William N. Burgard | Portland |
| James M. Burgess | Lakeview |
| Raymond H. Burns | Coquille |
| Arthur G. Bushman | Eugene |
| Loren G. Butler | Eugene |
| Tracy S. Byers | Eugene |
| Norman Tyrrell Byrne | Eugene |

| | |
|---|---|
| Max Cain | Vancouver, Wn. |
| Harold H. Cake | Eugene |
| Jeanette Calkins | Eugene |
| Anna Marie Calvert | Grants Pass |
| Frank H. Campbell | Dallas |
| Henry G. Campbell | Eugene |
| Ian Campbell | Eugene |
| Myrtle Euphemia Campbell | Portland |

| Name | Home Address |
|---|---|
| Lay Alfred Carlisle | The Dalles |
| Tyrrell H. Carner | Grants Pass |
| Arthur E. Carr | Seattle, Wn. |
| Cleome Carroll | Eugene |
| Amy Elizabeth Carson, | Springfield |
| Elizabeth Huey Carson | Hood River |
| Ida Bell Carson | Springfield |
| Lewis Leslie Carter | Portland |
| Sprague H. Carter | Baker |
| Helen M. Case | McMinnville |
| Robert Case | Tigard |
| Margaret Genevieve Casey | Portland |
| Drusolla Casteel | Eugene |
| Jesse Casteel | Eugene |
| Chandos Barrett Castle | Marysville, Cal. |
| Ferd Halsell Cate | Eugene |
| Newton Center | Toledo |
| Barbara Dewar Chamberlain | Ada |
| Mary H. Chambers | Eugene |
| Victor Chambers | Cottage Grove |
| Mary Elizabeth Cellars, | Portland |
| Marion Chapin | Portland |
| Clifford Lee Chase | Dufur |
| Ailcy Elizabeth Church, | Portland |
| Carl Crittenden Clark | Clarksville, Texas |
| Louise Clausen | Coquille |
| Bert Clubb | Eugene |
| Lucinda Cochran | Medford |
| Conrad Cockerline | Estacada |
| Mabel Frances Cochrane | Brownsville |
| Marion Adele Coffey | Portland |
| William Evan Coleman | Portland |
| Fred Coley | Eugene |
| Charles H. Collier | Eugene |
| Dorothy Collier | Eugene |
| Bess Coleman | Portland |
| George Theron Colton | Portland |
| Gretchen Harwood Colton, | Portland |
| Chas. B. Comfort, Jr., | Stockton, Cal. |
| Gladys Conklin | Eugene |
| Clinton V. Conley | Springfield |
| Mrs. Alice E. Cornell | Eugene |
| Ruth Ada Connell | Portland |
| George F. Cook | Portland |
| Roger Raymond Corbett | Sawyers Bar, Cal. |
| Margaret Denton Cornwall | Berkeley, Cal. |
| Mae Victory Corpron | N. Yakima, Wn. |
| Leo Herbert Cossman | Creswell |
| Ray M. Couch | Island City |
| Gertrude Cowgill | Portland |

| Name | Home Address |
|---|---|
| Edwin P. Cox | Salem |
| Nellie Flagler Cox | Eugene |
| Harry N. Crain | Bandon |
| Pearl Craine | Bandon |
| Charles K. Crandall | Vale |
| M. Viola Crawford | Vancouver, Wn. |
| John Herbert Creech | Aberdeen, Wn. |
| Margaret Crim | Eugene |
| Charles H. Croner | Eugene |
| Eulalie Crosby | The Dalles |
| Margaret F. Crosby | Riddle |
| Helen Clare Currey | LaGrande |
| Thomas D. Cutsforth | Riddle |
| Florence T. Cutsforth | Riddle |
| Edith M. Dahlberg | Grants Pass |
| Donald Sinclair Dalgleish | Kamloops, B. C. |
| Ross Ian Dalgleish | Kamloops, B. C. |
| John Stephen Daly, | Conrad, Mont. |
| Mabel A. Davenport | Eugene |
| Roy L. Davidson | Helix |
| Bernard L. Davis | Eugene |
| Don D. Davis | Nyssa |
| Frank N. Davis | Edenbower |
| Ruth Louise Davis | Portland |
| Anne Hawxwell Dawson | Albany |
| Helene DeLano | Eugene |
| Virgil Glenn DeLap | Klamath Falls |
| Mary Eugenia Deming, St. | Helens |
| Joseph A. Denn | Roseburg |
| Frances Marie DePue, | Springfield |
| Vera I. Derflinger | Junction City |
| Elisabeth Devaney | Boise, Ida. |
| Lucy Devaney | Boise, Idaho |
| Katherine DeVoe | Roseburg |
| Ella Adeline Dews. | Klamath Falls |
| Genevieve Dickey | Eugene |
| Ezra C. Dieffenbach | Creswell |
| W. W. Dillard | St. Helens |
| Gladys Diment | Marshfield |
| Walter R. Dimm | Springfield |
| Margaret Esther Dixon | Eugene |
| Walter C. Dobyns | Ione |
| John M. Dolph | Portland |
| William Paul Downard | Portland |
| Mae Elizabeth Dominy | Eugene |
| Charles R. Drake | Eugene |
| Helen Dresser | Eugene |
| Joanna Driscoll | Bly |
| Helen Louise duBuy | Eugene |
| Glenn G. Dudley | Athena |
| George Duke | Sutherlin |
| Helen Jayne Dull | Eugene |
| Dorothy Dunbar | Astoria |

| Name | Home Address |
|---|---|
| Fred S. Dunbar | Klamath Falls |
| Charles H. Dundore | Portland |
| John George Dundore | Portland |
| Dorothy Edith Duniway | Portland |
| Dorothy Gertrude Dunn | Eugene |
| Mary Dunn | Portland |
| Francis Ray Dunn | Eugene |
| Donald Dyment | Seattle |
| Stanley D. Eaton | Union |
| Rufus McKnight Eckerson | Portland |
| Herman F. Edwards | Cottage Grove |
| Thomas Deo Edwards | Eugene |
| Warren A. Edwards | Cottage Grove |
| Ella Ehmsen | Portland |
| John J. Elliott | Salem |
| Loran James Ellis | Eugene |
| Paul M. Ellis | Eugene |
| Mildred Emmett | Hood River |
| Helen M. Engberg | Condon |
| Virginia Helen Engel | North Yakima, Wash. |
| Adrienne Epping | Hood River |
| Fred Erickson | Astoria |
| Elva Elizabeth Estes | Eugene |
| Newton J. Estes | Eugene |
| Euphemia Vivian Evernham | Glenwood, Iowa |
| Adah Ethel Ewer | Eugene |
| Estley Roy Farley | Dallas |
| Kenneth C. Farley | Portland |
| Frank P. Farrell | Medford |
| Fred R. Fenton | Boise |
| Elsie Fitzmaurice | Condon |
| Bruce Flegal | Eugene |
| Andrew Fish | Eugene |
| Myrtle Elmira Fisher | Portland |
| John Harold Fitzgibbon | Portland |
| Kate Susannah Flegal | Eugene |
| Dorothy Flegal | Portland |
| Ben. G. Fleischmann | Eugene |
| Earl Emery Fleischmann | Eugene |
| A. Meadow Fletcher | Eugene |
| Elmer Gordon Fletcher | Eugene |
| Mary Helen Flint | Junction City |
| Leonard Floan | Spokane, Wash. |
| Eleanor Flynn | Eugene |
| Franklin E. Folts | Hood River |
| Byron K. Foster | Eugene |
| Evelyn M. Foster | Eugene |
| Henry M. Foster | John Day |
| Paul Wesley Foster | Eugene |
| Horace G. Foulkes | Portland |
| Laura Celeste Foulkes | Portland |
| Frank Edgar Fowler | Pendleton |
| Irvin R. Fox | Portland |
| Jay H. Fox | Portland |
| Ray Fox | Eugene |
| Russell A. Fox | Astoria |
| M. Kathleen Fraley | Eugene |
| Edyl Fraasch | Eugene |
| J. Julius Frahm | Rendsburg, Germany |
| Dora Belle Francis | Eugene |
| Brownell D. Frasier | Eugene |
| Jeanne Franz | Sutherlin |
| Frances Frater | Riddle |
| Leo A. Furney | Astoria |
| Ester Furuset | Springfield |
| Albert Gamble | Milwaukie |
| Mildred Garland | Lebanon |
| Jessie Mitchell Garner | Astoria |
| Byron Garrett | Hillsboro |
| Frances Garrett | Eugene |
| Harriett Coral Garrett | Eugene |
| George E. Gates | Medford |
| Esther Marie Gates | Medford |
| Beatrice Gaylord | Tillamook |
| Francis Claire Gazley | Gazley |
| Roland Woodbridge Geary | Portland |
| Georgine Mary Geisler | Portland |
| Anna C. Gent | Irvine |
| Will H. Gerretson, Jr. | Portland |
| Juanita Gibson | Morgan |
| John DeWitt Gilbert | Astoria |
| Warren E. Gilbert | Mapleton |
| Ross Earl Giger | Portland |
| Herman M. Gilfillen | Bellingham, Wash. |
| Mary Alice Gillette | Eugene |
| Grace Gretchen Gilmore | Junction City |
| Lester Robert Gladen | Eugene |
| Era Blanche Godfrey | Lebanon |
| Ercel Goehrend | Aberdeen, Wash. |
| Frances Golden | Marshfield |
| Ivan K. Goldsmith | Eugene |
| Eugene N. Good | La Grande |
| Emilie Godwin | Eugene |
| Jay Gore | Medford |
| Oscar Goreczky | Eugene |
| Eulogio A. Gorospe | Lapog, I. S. Philippines |
| A. Edward Gourdeau | Portland |
| Mabel Florence Goyne | Tillamook |
| Edna May Gray | Portland |
| Margaret V. Gray | Oswego, Ore. |
| Richard Gray | Turner |
| Walter H. Grebe | Portland |
| Marion A. Grebel | Portland |
| Harold D Grey | Medford |
| Carl F. Gregg | Amity |
| Garnett L. Green | Portland |

| Name | Home Address |
|---|---|
| Lewis D. Griffith | Salem |
| Clarabel Grim | Portland |
| Joy Gross | Eugene |
| Marguerite Gross | Portland |
| Mary Frances Gross | Eugene |
| Geo. F. Guldager | Harrisburg |
| Elnora Gylland | Eugene |
| James Oliver Gyllenberg | Baker |
| Mary Hellen Guttery | Hood River |
| Vera Haag | Eugene |
| Evah Hadley | Newberg |
| Leland W. Haines | Klamath Falls |
| Helen Hair | Grants Pass |
| Elisabeth Hales | Eugene |
| Virginia Hales | Eugene |
| Ada Hall | Portland |
| Clytie Beryl Hall | Eugene |
| Helen Eugenia Hall | Eugene |
| Roxie Hall | Marshfield |
| Russell F. Hall | Lebanon |
| Herman Hamburger | Coeur d'Alene, Idaho |
| Levicy Florence Hamilton | Cottage Grove |
| Merle Hamilton | Roseburg |
| John Nellis Hamlin | Roseburg |
| Grace Hammerstrom | Astoria |
| Harold Hamstreet | Sheridan |
| Carl Hansen | Portland |
| Eva Hansen | Marshfield |
| Hertha I. Hanssen | Eugene |
| Mae E. Harbert | Springfield |
| Gladys Blanche Harbke | Portland |
| Thomas N. Hardy | John Day |
| **Harry Hargreaves** | Milwaukie |
| **J. Chandler Harper** | Milton |
| William Harper | Junction City |
| Lyle Alvia Harpole | Amity |
| Marion Harrington | Portland |
| Fred E. Harriman | Corvallis |
| George W. Harris | Eugene |
| Maynard H. Harris | Portland |
| Henry Floyd Hart | Medford |
| Albert C. Hartley | Silverton |
| Irwin M. Hartley | Eugene |
| Jessie M. Hartley | Silverton |
| Kathryn Hartley | Hood River |
| Edward P. Harwood | Cordova, Alaska |
| William A. Haseltine | Portland |
| Virgil Hattan | St. Helens |
| Lillian Hausler | Portland |
| Raymond W. Hausler | Portland |
| Margaret Hawkins | Portland |
| Marion E. Hays | Eugene |
| Joseph C. Hedges | Oregon City |
| Cornelia Wilhelmina Heess | Portland |
| Mildred L. Heine | Medford |
| Earl Heitschmidt | Portland |
| Florence H. Hemenway | Portland |
| Kenneth Charles Hendricks | Parkplace |
| Donna Belle Henry | Eugene |
| Lawrence Hershmer | Hood River |
| Herbert Joseph Heywood | Portland |
| Claude Bryant Hill, | Klamath Falls |
| Esther Mary Hill | Cottage Grove |
| Florida Hill | Eugene |
| Mary Alice Hill | La Grande |
| Dell F. Hinson | Springfield |
| Mary O. Hislop | Eugene |
| B. Fremont Hodson | North Bend |
| Ray DeMuth Hoffmire | Portland |
| Hazel Hennessey Hogg, | Kelso, Wn. |
| Roger Holcomb | Portland |
| Claire P. Holdredge | Creswell |
| Lotta S. Hollopeter | Portland |
| Albert Holman | Oswego |
| Helen Aileen Holmes | Eugene |
| Jerome Leopold Holzman | Portland |
| Cora Hosford | Portland |
| Naomi M. Hoskins | Lower Bridge |
| Rieta C. Hough | Eugene |
| Elizabeth Houston | Klamath Falls |
| Cary Howard | Salem |
| Elmer Howard | Eugene |
| Louis Dorsey Howard | Portland |
| Edna Naomi Howd | Shaw |
| James F. Howell | Wasco |
| Doris Elise Hubbell | Eugene |
| Jennie Huggins | Portland |
| Madge Pearl Humbert | Eugene |
| Martha Edna Hunphrey | Eugene |
| Elmer H. Hunt | Junction City |
| Frank Dorsey Hunt, Jr., | Portland |
| John B. Hunt | Portland |
| Giles Hunter, Jr. | Roseburg |
| Nita H. Hunter | Island City |
| Sophia Hunter | Roseburg |
| Charles A. Huntington, | The Dalles |
| Hollis Wilson Huntington | The Dalles |
| Dorothy Lucille Hunziker | Portland |
| Lucile Hester Hurd | Florence |
| Ralph E. Hurn | Klamath Falls |
| John W. Huston | Heppner |
| Maurice H. Hyde | Eugene |
| Horace H. Hyland | Oakridge |
| Ruth Katherine Hyland | Lowell |
| Vivian Hyland | Vancouver, Wn. |
| Mary Irving | Oswego |
| Esther Jacobsen | North Powder |
| Jacob Jacobson | Junction City |
| John P. Jaeb | Minneapolis, Minn. |

| Name | Home Address |
|---|---|
| Harry D. Jamieson | Portland |
| Nicholas Jaureguy | Tacoma, Wn. |
| Lucy Jay | Eugene |
| Harold S. Jenkins | Eugene |
| Wilford Jenkins | Eugene |
| William E. Jenkins | Eugene |
| Chris Howe Jensen | Springfield |
| Luther Jensen | Junction City |
| Peter L. Jensen | Junction City |
| Leura Jerard | Pendleton |
| Charles Adams Johns, Jr. | Portland |
| Flint N. Johnson | Eugene |
| Helen Johnson | Pendleton |
| Mary A. Johns | Pendleton |
| Helen Aline Johnson | Portland |
| Con Johnson | Rainier |
| Kittie E. Johnson | Portland |
| J. Alleyn Johnson | Gaston |
| Kathryn Johnston | Dufur |
| Lucile E. Johnston | Dufur |
| William James Johnston | Eugene |
| Norris Richard Jones | Baker |
| Raymond F. Jones | McMinnville |
| Joy Frances Judkins | Eugene |
| Marjorie Kay | Salem |
| Delia Tibbetts Keeney | Eugene |
| Erma R. Keithley | Portland |
| John Andrew Kelleher | Eugene |
| Kenneth K. Kellems | Eugene |
| Mrs. Louisa Flint Kellems | Eugene |
| Vivien Kellems | Eugene |
| Genevieve Keller | Portland |
| Evangeline Kendall | Jamieson |
| Walter S. Kennon | Baker |
| Owen Otis Keown | Baker |
| Fred Edward Kiddle | Island City |
| Keith Kiggins | Portland |
| Roberta L. Killam | Portland |
| S. Philena King | Portland |
| Frederick Kittredge Kingsbury | Eugene |
| Raymond Harold Kinney | Palo Alto, Cal. |
| Tula F. Kinsley | Condon |
| Walter J. Kirk | Salem |
| Jeanette Kletzing | Eugene |
| Hazel Knight | Dallas |
| Wily W. Knighton | Grass Valley, Ore. |
| Clara Knoop | Eugene |
| Carl Marion Knudsen | Portland |
| Ray O. Koepp | Irving |
| Helen Koren | Spokane, Wn. |
| Erma Laird | Pleasant Hill |
| Freda Laird | Pleasant Hill |
| Adelaide V. Lake | Eugene |
| Wallace B. Landreth | Baker |

| Name | Home Address |
|---|---|
| Thurston W. Laraway | Hood River |
| Leonard F. Larwood | Eugene |
| Lois Laughlin | Carlton |
| Perry B. Lawrence | Eugene |
| Ruth Lawrence | Medford |
| Johnson Duncan Leonard | Burns |
| Keith Leslie | Coquille |
| Earl E. Leslie | Coquille |
| Herman L. Lind | Portland |
| Lillian M. Littler | Bloomfield, N. J. |
| Alice Mary Lighter | Portland |
| Harold G. Lockerbie | Dryad, Wn. |
| Percy Albert Lockwood | Eugene |
| James E. Lomax | Boise, Idaho |
| Clarence E. Lombard | Eugene |
| Maud Lombard | Eugene |
| Barkley G. Loughlin | Portland |
| Frederick G. Loundagin | Portland |
| Bernice Lucas | Portland |
| Blanche Lucas | Tillamook |
| Harry Lynch | Salem |
| Mae B. Lynch | Salem |
| Marion Elsie MacDonald | Nyssa |
| Marjorie E. Machen | Springfield |
| Robert Ross Mackenna | Eugene |
| Reba Hester Macklin | Portland |
| Glen S. Macey | McMinnville |
| Elmo Whitmore Madden | Eugene |
| John Harvey Madden | Eugene |
| Creston R. Maddock | Heppner |
| Myrtle M. Magerle | Rogue River |
| Essie Maguire | Bridal Veil |
| Jennie Forrest Maguire | Bridal Veil |
| Lorraine C. Mahoney | Portland |
| Harold Maison | Portland |
| Huntington Malarkey | Portland |
| Frances Mann | Eugene |
| Louise Manning | Portland |
| Margaret Mansfield | Prospect |
| Naomi Marcellus | Portland |
| Merl Lonner Margason | Portland |
| Curtis Melvin Marshall | Eugene |
| Adda J. Martin | New Bridge |
| Clyde Walter Mason | Eugene |
| Reuben H. Mast, Jr. | Coquille |
| John Patrick Masterson | Denmark |
| John Evan Matheson | Powell River |
| Walter J. Matson | Astoria |
| Ada Matthews | Cottage Grove |
| Mary Opal Mattley | Oregon City |
| C. Macleod Maurice | Portland |
| Helen Kerr (Mrs. W. H.) Maxham | Eugene |
| Gertrude May | Portland |
| Katherine McAlister | Eugene |
| R. Lindsay McArthur | Richland |
| Gertrude M. McCabe | Hoquiam, Wn. |

| Name | Home Address |
|---|---|
| James H. McCallum | Eugene |
| Emily Louyse McCandliss | Portland |
| Joseph Bernard McCarthy | Portland |
| Nellie McClure | Eugene |
| Graham E. McConnel | Eugene |
| Robert Bruce McConnell | Merced, Cal. |
| Helen McCornack | Spokane, Wn. |
| Mary E. McCornack | Klamath Falls |
| Lynn S. McCready, Lewiston, Ida. | |
| V. Lyle McCroskey, Havre, Mont. | |
| Vena Lucinda McCully | Eugene |
| Delilah McDaniel | Rickreall |
| Charles S. McDonald | Portland |
| Helen McDonald | La Grande |
| Mary E. McDonald | Eugene |
| Neil Hunter McEachern | Portland |
| Frank William McElroy | Los Angeles |
| Carleton McFadden | Junction City |
| Hobart M. McFadden | Junction City |
| Myra McFarland | Eugene |
| John E. McGuire | Eugene |
| Norris Hugh McKay, Forest Grove | |
| Miles Hobart McKey | Albany, Ore. |
| Margaret Alan McKim | Baker |
| Homer McKinney, Centerville, Wn. | |
| Judson Bartlett McKinney | Eugene |
| Ward F. McKinney, Olympia, Wn. | |
| Gladys McKnight | Albany, Ore. |
| M. Jeannette McLaren | Hillsdale |
| Gladys Irene McLeod | Athena |
| Iva Edene McMillin, Berkeley, Cal. | |
| Adah Antoinette McMurphy | Eugene |
| George Paul McNamee, Jr. | Portland |
| John W. McMurray | Portland |
| Robert G. McNary | Portland |
| Dorris William Medley | Cottage Grove |
| Clistie Meek | Coburg |
| Delphie Helen Meek | Coburg |
| M. Vernon Melson | Calgary, Canada |
| Dale D. Melrose | Newberg |
| Frederick E. Melzer | Baker |
| Bell Messick | Baker |
| Anna Lee Miller | Portland |
| J. E. Messick | Meridian, Cal. |
| Franklin J. Miller | Salem |
| Kerby Sinclair Miller | Medford |
| Laura Jean Miller | Portland |
| Lillie Miller | Pioneer |
| Nanna Miller | Enterprise |
| Harry Quinn Mills | Salem |
| Ralph Franklin Milne | Elgin |
| Arnold Robert Minnis | Pendleton |
| Clifford L. Mitchell | San Francisco |
| Zetta Mitchell | Eugene |
| Joe R. Mizner | Mill City |
| Caroline Content Montague | Portland |
| John R. Montague | Portland |
| Robert M. Montague | Portland |
| Ruth Montgomery | Eugene |
| T. Orville Montieth | Albany |
| Edward Oscar Moon | La Grande |
| F. Dean Moore | Eugene |
| Herbert Max Moore | Springfield |
| Merle Wayland Moore | Portland |
| Kenneth Moores | Salem |
| Neil L. Morfitt | Malheur |
| Morris Hartley Morgan | Portland |
| Homer H. Mornhinweg | Halsey |
| True Morris | Eugene |
| Albert T. Morrison | Portland |
| Wm. Henry Morrison | Eugene |
| Mary Luceil Morrow | Portland |
| Jeannette Moss | Grants Pass |
| Francis Carsten Mueller | Vale |
| W. Jay Mulkey, Jr. | Monmouth |
| Douglas Mallarkey | Redmond |
| Mary Camille Murdoch | Portland |
| Earl W. Murphey | Portland |
| Ethel Murray | Portland |
| Walter L. Myers | Eugene |
| J. Ernest Nail | Klamath Falls |
| George R. Napper | Creswell |
| Hazel Vivienne Neal | Myrtle Point |
| Marian Neil | Portland |
| Carl E. Nelson | Chicago, Ill. |
| Charles Richard Nelson, LaFayette | |
| Clarence N. Nelson | Eugene |
| Martin V. Nelson | Astoria |
| Millard T. Nelson | Vale |
| Richard Nelson | Eugene |
| Donald R. Newbury | Klamath Falls |
| Charles C. Newcastle, Jr. | Portland |
| Ethel E. Newland | Eugene |
| Harold J. Newton | La Grande |
| Roland W. Nicol | Gridley, Cal. |
| Ruth Theresa Nye | Medford |
| Carl Nygren | Bristol, Colorado |
| Anastasia O'Farrell | Eugene |
| Mary E. O'Farrell | Eugene |
| Vera Olmstead | Medford |
| Vernie Ramona Olson | Eugene |
| Ada Louise Otten | Portland |
| Frederic Wm. Packwood | Portland |
| Edmund H. Padden | Creswell |

| Name | Home Address |
|---|---|
| Miriam M. Page | Eugene |
| Vivien B. Pallett | Portland |
| Lucille Marguerite Palmer | Fossil |
| Joseph L. Parker | Eugene |
| Mellie Lucia Parker | Astoria |
| Mrs. Ora Pollard Parkinson | Eugene |
| Mildred Parks | Roseburg |
| Dwight S. Parr | Woodburn |
| Lynn A. Parr | Woodburn |
| Dorothy Parsons | Portland |
| John F. Parsons | Portland |
| Edna E. Patchen | Drain |
| Chalmer N. Patterson | Eugene |
| Artie Blair Paul | Portland |
| Ruth A. Pearson | Portland |
| Levant Pease | Jefferson |
| Paul E. Pease | Tacoma, Wn. |
| Mildred Anne Pegg | Fallbridge, Wn. |
| Forrest Peill | Klamath Falls |
| Arthur H. Pengra | Eugene |
| Clair B. Pennington | Eugene |
| Muriel Peringer | Pendleton |
| Bernice Perkins | Baker |
| Leah C. Perkins | Cottage Grove |
| Vera Evelyn Perkins | Springfield |
| Curtis A. Peterson | Eugene |
| Elizabeth M. Peterson | Hillsboro |
| Veola Peterson | Sutherlin |
| John Otto Pfahl | Oregon City |
| Jas. Bemis Pfouts | Junction City |
| Alene M. Phillips | Oregon City |
| Y. Norman Philips | The Dalles |
| Dolph Edward Phipps | Medford |
| Lyman Arthur Pickett | Eugene |
| Ralph E. Pierce | Medford |
| Stephen C. Pierce, Jr. | Livingston, Mont. |
| Everett Pixley | Eugene |
| Harriette Polhemus | Portland |
| Lillian Maude Porter | Portland |
| Vergil B. Porter | Findlay, Ohio |
| Clarence D. Potter | Baker |
| Leo A. Potter | Eugene |
| Earle Scott Powell | Springfield |
| Florence M. Powers | Marshfield |
| Lucy Mary Powers | Marshfield |
| Charles W. Prim | Eugene |
| Henry Proctor | La Grande |
| Helen H. Purington | Burns |
| Francis L. Purnell | Wanganui, N. Z. |
| Russell A. Quisenberry | Eugene |
| Hazel Radabaugh | Pleasant Hill |
| Donald R. Rader | Medford |
| Russell Clyde Ralston | La Grande |
| Don Randall | Salem |
| Hazel Rankin | Eugene |
| Mabel Rankin | Eugene |
| Hazel Rasor | Eugene |
| Emmett Rathbun | Portland |
| Paul S. Reaney | Eugene |
| Aubrey Redifer | Ashland |
| Anita Lucile Redmond | Redmond |
| Helene Marguerite Reed | Eugene |
| Nellie Elizabeth Reidt | Portland |
| L. Jean Reekie | Seattle, Wn. |
| Grace Reeves | Portland |
| Max Reigard | Marshfield |
| Wm. Reinhart | Salem |
| Helen Reeves Rhodes | Eugene |
| Leta Rhodes | Portland |
| Harry Flagg Richardson | St. Helens |
| Jim Richardson | Creswell |
| Robert M. Riggs | Klamath Falls |
| Jacob S. Risley | Milwaukie |
| Olive Ann Risley | Milwaukie |
| Donald Clarke Roberts | Astoria |
| Loren C. Roberts | The Dalles |
| Vernice Gilbertine Robbins | Hood River |
| Dorothy Ellington Robertson | Portland |
| Donald M. Robinson | Portland |
| Donald T. Robinson | Pendleton |
| Ruth Roche | Eugene |
| Abe L. Radder, Livingston, Mont. | |
| Margaret Albert Rodgers | Salem |
| Ruth Marguerite Rose | Watsonville, Cal. |
| Myrtle Vivian Ross | Pendleton |
| Spencer I. Ross | Astoria |
| Ruth Rothrock | Athena |
| Allen Rothwell | Eugene |
| Shirley Irving Rowe | Watsonville, Cal. |
| Sylvia J. Rowland | Hillsdale |
| Genevieve W. Rowley | Vancouver, Wn. |
| Irene Rugh | Eugene |
| Arthur Runquist | Portland |
| Ellwyn Rutherford | Eugene |
| Grayce Beryl Sage | Ontario |
| Lucile Frances Saunders | Portland |
| Carlton Raymond Savage | Waconda |
| Harold B. Say | Sherwood |
| Benjamin F. Scaiefe | Eugene |
| Joe W. Scaiefe | Eugene |
| Richard G. Scearce | Eugene |
| Robert J. Scearce | Mosier |
| Kate O. Schaefer | Portland |
| Max Schafer | Eugene |
| Hubert G. Schenck | Medford |

| Name | Home Address |
|---|---|
| Roberta M. Schuebel | Oregon City |
| Charles Leslie Schwering | Eugene |
| Paul L. Scott | Springfield |
| Randall B. Scott | Springfield |
| Dean Bayard Seabrook | Portland |
| Cord Sengstake, Jr. | Portland |
| Grace Service | Baker |
| Wm. Ralph Service | Silverton |
| Victor C. Sether | Glendale |
| Clifford Warner Sevitts | Klamath Falls |
| M. Oenone Shaw | Pullman, Wn. |
| Rosamund Lee Shaw | Pullman, Wn. |
| James S. Sheehy | Portland |
| John Wyville Sheehy | Portland |
| Alfred C. Shelton | Santa Rosa, Cal. |
| Wendall P. Sheridan | Eugene |
| Florence R. Sherman | Eugene |
| Kenneth E. Shetterly | Willamina |
| Richard H. Shisler | Harrisburg |
| J. Milton Shively | Redmond |
| Glenn Shockley | Baker |
| Frances E. Shoemaker | Eugene |
| Gladys Marie Shute | Hillsboro |
| Freda Sigfrit | Mitchell |
| Arvo Antone Simola | Portland |
| Harold E. Simpson | North Bend |
| Rodger W. Simpson | Newport |
| Henry W. Sims | Eugene |
| Joe L. Skelton | Klamath Falls |
| William Skidmore | Curtin |
| Rosemary B. Skipworth | Hillsboro |
| Doris Ellen Slocum | Portland |
| Aubrey G. Smith | Union |
| Gladys Elizabeth Smith | Metolius |
| Graham Braden Smith | Eugene |
| Irva Alice Smith | Walterville |
| Irving G. Smith | Metolius |
| Lora Evelyn Smith | Redmond |
| Paul Albert Smith | Portland |
| Rodney F. Smith | Eugene |
| Seth L. Smith | Portland |
| Wm. C. Snyder | McMinnville |
| Olga Zenobia Soderstrom | Divide |
| Olso T. B. Sollie | Eugene |
| Melvin T. Solve | Bandon |
| Floyd South | Tehama, Cal. |
| Margaret Spangler | Eugene |
| Paul E. Spangler | Eugene |
| Annabel M. Sparkman | Portland |
| S. B. Spellman | Eugene |
| Bernice Luckey Spencer | Eugene |
| Donna Spencer | Portland |
| Emily Belle Spulak | Canby |
| Ruth Stadwalter | Dallas |
| Benly Stam | Tillamook |
| Nicholas R. Stansell | Eugene |
| A. Glenn Stanton | Humboldt, Ia. |
| Lucille Stanton | Eugene |
| R. W. Stanton | Eugene |
| Winifred Starbuck | Eugene |
| Alene Stark | Eugene |
| Wayne Stater | McMinnville |
| David Lloyd Stearns | Portland |
| Marjorie Stearns | Portland |
| William Henry Steers | The Dalles |
| Ruby Steinberg | Portland |
| Mildred Janet Steinmetz | Portland |
| Ruby Steiwer | Jefferson |
| Emma Stephenson | Eugene |
| Carrie M. Stevens | North Bend |
| Colin A. Stewart | La Grande |
| Henderson Stewart | Fall Creek |
| Roy Stickels | Eugene |
| Lloyd W. Still | Milton |
| Milton Arthur Stoddard | La Grande |
| Ervin P. Stone | Maynardville, Tenn. |
| Percy M. Stroud | Springfield |
| Wilfred C. Stroud | Eugene |
| Marjorie Stout | Eugene |
| Alice A. Striker | Eugene |
| Edwin Strowbridge | Portland |
| Irene Strowbridge | Portland |
| Ruth Pauline Susman | Portland |
| Carmen Swanson | Lebanon |
| Ruth Vanita Sweeney | Kelso, Wn. |
| Estelle Tallmadge | Portland |
| Frances Moore Tallmadge | Portland |
| Caroline Taylor | Eugene |
| Forrest W. Taylor | Eugene |
| George W. Taylor | Westfall |
| Herbert A. Taylor | Salem |
| Lourene Taylor | Eugene |
| Richard Lloyd Tegart | Gresham |
| Clinton H. Thienes | Eugene |
| Jane S. Thacher | Eugene |
| Burt G. Thompson | Eugene |
| Clark W. Thompson, Jr. | Cascade Locks |
| Hugh McKaye Thompson | Bend |
| Richard Thompson | Portland |
| Henry L. Thorsett | Eugene |
| Beatrice May Thurston | Eugene |
| Clyde Thurston | Eugene |
| Martha W. Tinker | Eugene |
| Miriam Tinker | Eugene |
| Charles H. Tisdale | Sutherlin |
| Myrtle G. Tobey | Portland |
| Arthur Folsom Tallman | Pendleton |
| Ralph Newton Tourtelotte | Boise, Idaho |
| Elisabeth Mary Townsend | Portland |
| John Edmund Tracy | Albany |
| Evelyn Tregilgas | Portland |
| Harold R. Tregilgas | Portland |

| Name | Home Address |
|---|---|
| Ruth Trowbridge | Portland |
| Mary Truax | Gold Hill |
| Emil G. Schanz | Eugene |
| Godfred F. Tschanz | Eugene |
| William P. Tuerck | Portland |
| Andrew C. Tupper | Dilley |
| Bryan Turner | Eugene |
| Marion Tuttle | Eugene |
| Katherine Mackenzie Twomey.. | |
| | Oak Grove |
| Cyril Merton Tyrrell | Coquille |
| Ira Lee Ullery | Eugene |
| Lawrence Wendell Underwood. | |
| | Grants Pass |
| Alva James Vance | Medford |
| Alice Cornelia VanderSluis | Talent |
| Ray Radcliffe VanHorne | Fossil |
| Gladys Van Nuys | Parkdale |
| Alice Frances Van Schoonhoven | |
| | Portland |
| Vera Van Schoonhoven | Portland |
| Mabel Van Zante | Portland |
| Orson Lewis Vaughn | Springfield |
| William Ira Vawter | Eugene |
| Zona Vernon | Eugene |
| Emil John Vodjansky | Eugene |
| Eva L. von Berg | Albert Lea, Minn. |
| Ethel Marie Waite | Sutherlin |
| W. Lee Waldron | Portland |
| Eyla L. Walker | Carvallis |
| Edward L. Ward | Dufur |
| Claire Frances Warner | Eugene |
| Ivan E. Warner | Eugene |
| Charles A. Warnock | Eugene |
| Mary Elizabeth Warrack | Portland |
| Nell Edna Warwick | Marshfield |
| Isa Hazel Wasson | Condon |
| Ernest Watkins | Bandon |
| Forest Campbell Watson | Portland |
| Lucile S. Watson | Spokane, Wn. |
| Ralph W. Watters | Lebanon |
| Aldis L. Webb | Los Angeles, Cal. |
| Algie L. Weinheimer | Hood River |
| Mrs. Maud M. Weir | Portland |
| Goldie Ruth Wells | Halsey |
| Harold J. Wells | Eugene |
| Helen Gertrude Wells | Eugene |
| Wayne W. Wells | Eugene |
| Floyd C. Westerfield | Grass Valley |
| Charles Ewing Westenhaver.. | |
| | Cottage Grove |
| Gretta E. Westfall | Eugene |
| Ruth A. Westfall | Eugene |
| Jeannette Wheatley | La Grande |
| Dorothy Wheeler | Eugene |
| Edna May Whipple | Eugene |
| Maud Estelle Whipple | Eugene |
| Helen E. Whitaker | Myrtle Point |
| Harold Wellington White | |
| | Cottage Grove |
| Walter E. White | McMinnville |
| Opal Whiteley | Cottage Grove |
| Merritt B. Whitten | Portland |
| Marguerite Whitten | Eugene |
| Luella M. Whittlesey | Philomath |
| Helen L. Wiegand | Portland |
| Alvin F. Wievesick | Oregon City |
| George H. Wilcox | Grass Valley |
| A. Warren Wilkins | Eugene |
| Gladys Wilkins | Eugene |
| Richard A. Willcox | Redmond |
| Basil T. Williams | Eugene |
| Claribel Williams | Portland |
| Grace Schetter Williams | |
| | Marshfield |
| Leone Williams | Dallas |
| Marjory Mae Williams | Eugene |
| Melba Williams | Eugene |
| Ellis Williamson | La Grande |
| John Willian | Springfield |
| Frank H. Wilson | Dallas |
| David H. Wilson | Roseburg |
| Joseph Dwight Wilson | Eugene |
| Mrs. Helen C. Wilson | Eugene |
| Kent R. Wilson | Oregon City |
| Lorenzo Dow Wilson | Eugene |
| Louise F. Wilson | Portland |
| Milton Earl Wilson | Portland |
| Ruth Ann Wilson | Ashland |
| Fannie S. Winchell | Eugene |
| Gustav Winter | Eugene |
| Inga Winter | Portland |
| George C. Winters | Corvallis |
| Sophus K. Winther | Irving |
| Helen Withycombe | Yamhill |
| Jesse B. Witty | Elgin |
| Winfield D. Wolcott | |
| | Clyde Park, Mont. |
| Iva Belle Wood | Eugene |
| Bertrand Odell Woods | Portland |
| Lucille Katherine Wooddy | Baker |
| Mildred A. Woodruff | Portland |
| M. Marshall Woodworth | Albany |
| Emma B. Wootton | Astoria |
| Robert B. Wright., | Lewiston, Ida. |
| Joseph Anton Wunderlich | |
| | Cornelius |
| Walter Bruce Yergen | Hubbard |
| Faye A. Yoder | Eugene |
| Jennie Marcellus Yoder | Eugene |
| Beatrice A. Yoran | Eugene |
| George Francis Yoran | Eugene |
| Espar Young | Eugene |
| Echo June Zahl | Portland |
| Erma McKee Zimmerman | Eugene |
| Eunice Gertrude Zimmerman.. | |
| | Eugene |
| Chester Glen Zumwalt | Newberg |

## MEDICAL SCHOOL

### SENIORS

| Name | Home Address |
|---|---|
| James F. Bell, Jr. | Portland |
| Ernest A. Daus | Weiser, Idaho |
| Isaac Dellar | Portland |
| Lucille Hart | Albany |
| R. W. Hendershott | Portland |
| Ernest D. Lamb | Eugene |
| Murray M. Levy | Portland |
| Ralph L. Lieser | Vancouver, Wn. |
| James A. Loundagin | Portland |
| Russell F. Maddren | Portland |
| D. H. Nickson | Portland |
| Herbert van H. Thatcher | Portland |

### JUNIORS

| | |
|---|---|
| Frank J. Clancy | Seattle, Wn. |
| John Jewett Darby | Pomeroy, Wn. |
| John B. Farrior | Portland |
| A. Estella Ford | 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 |
| Kathryn Rueter | Portland |
| Clarence W. Shannon, Seattle, Wn. | |
| Robert B. Smalley | Seattle, Wn. |
| Dennis S. Swart | Woodland, Wn. |
| E. P. Steinmetz | Portland |
| H. L. Strong | Portland |
| Douglas H. Warner | Portland |
| Randall F. White | Portland |
| Ralph G. Young | Portland |

### SOPHOMORES

| | |
|---|---|
| Robert V. Baker | Portland |
| John W. Bancroft | Newberg |
| Leland V. Belknap, Prineville, Ore. | |
| Linus H. Bittner | Portland |
| Jesse L. Bloch | Portland |
| Vernon J. Brown | Portland |
| Nicholas S. Chekos | Portland |
| Clyde W. Collings, Vancouver, Wn. | |
| Dean Piper Crowell | Albany |
| Charles David Donahue | Portland |
| John H. Fitzgibbon | Portland |
| Herbert H. Foskett | McMinnville |
| Lloyd B. Hainline | Portland |
| Blair Holcomb | Portland |
| Ren Logan Holsclaw | Oregon City |
| N. Elmer Irvine | Arlington |
| Trenton Johnston | Portland |
| Victor H. Leweaux | Portland |
| Irving E. Lloyd | Tumwater, Wn. |
| Ernest K. McCown | Cove |
| James T. Papas | Portland |
| Edmund W. Simmons | Portland |
| Ivan M. Woolley | Portland |

### FRESHMEN

| | |
|---|---|
| C. Elmer Carlson | Portland |
| Gaven C. Dyott | Portland |
| Wilmot C. Foster | Astoria |
| John Henry Gosnell, Seattle, Wn. | |
| Harry S. Irvine | Silverton |
| Elmer A. Johnson, Vancouver, Wn. | |
| A. F. W. Kresse | Hood River |
| Robert W. Langley | Portland |
| Wm. K. Livington | Forest Grove |
| William P. Murphey | Portland |
| Harry E. Norman | Seattle, Wn. |
| Alfred B. Peacock | Eugene |
| Raymond R. Staub | Portland |
| Earl J. Schuster | Albany |
| Glenn M. Yount | Wilbur, Wn. |
| Alfred H. Johnston | Portland |

### SPECIAL STUDENT

Lura Tamiesie ..... Portland

## SUMMER SCHOOL

| | |
|---|---|
| Ferris W. Abbott | Eugene |
| Lila Bell Acheson | Sumner, Wn. |
| Ralph S. Allen | Eugene |
| Elmer E. Amsden | Hillsboro |
| Helen Anderson | Portland |
| Roy C. Andrews | Eugene |
| P. Burton Arant | Monmouth |
| Louretta Archambeau | Eugene |
| Vera Asbury | Corvallis |
| Dora Badollet | Astoria |
| J. P. Bain | Salem |
| L. L. Baker | St. Helens |
| Raymond E. Baker | Coquille |
| Doris M. Ball | Portland |
| T. A. Barton | Klamath Falls |
| Rosalind B. Bates | Eugene |
| Frank L. Beach | Portland |
| Genevieve Beamon | Springfield |

| Name | Home Address |
|---|---|
| Francis A. Beebe | Eugene |
| Frances Beebe | Eugene |
| June Beebe | Eugene |
| Jean Bell | Pioneer |
| J. C. Bell | Rickreall |
| Lester Bennett | Philomath |
| Leolin Billings | Portland |
| Maud R. Bilyeu | Eugene |
| Clara Marie Blais | Eugene |
| D. W. Boitnott | Prairie City |
| Barbara Booth | Eugene |
| Eugenie Bouchet | Portland |
| I. B. Bowen, Jr. | Baker |
| Margaret Bowie | Portland |
| Charles H. Boyd | Portland |
| Mrs. Kate G. Boyd, Payette | Idaho |
| Edythe Bracht | Eugene |
| Helen L. Bracht | Eugene |
| F. O. Bradshaw | Union |
| James Brehaut | Portland |
| Mildred Brous | Portland |
| Mildred Aileen Brown | Spokane, Wash. |
| Merna F. Brown | Spokane, Wash. |
| Mildred G. Brown | Medford |
| Clarence W. Brunkow | Lents |
| Estella Campbell | Spokane, Wn. |
| Cleome Carroll | Eugene |
| Irene Carter | Portland |
| Fanny Chase | Albany |
| Ruth T. Chase | Albany |
| Mayme F. Clark | Medford |
| Mary Chute | Jefferson |
| J. H. Collins | Woodburn |
| Bess Colman | Portland |
| Geo. T. Colton | Eugene |
| Edna Dean Condon | Eugene |
| Gladys Conklin | Grants Pass |
| Chester E. Cook | Wolf Creek |
| E. Ione Copeland, Little Rock, | Ark. |
| Lucile Copenhaver | Springfield |
| Mary K. Court | Baker |
| Mary L. Criteser | Eugene |
| Peter C. Crockatt | Spokane, Wn. |
| H. M. Cross | Yoncalla |
| Mrs. Francsi D. Curtis | Portland |
| Francis D. Curtis | Portland |
| P. H. Daily | Medford |
| Blodwen Davis | Astoria |
| Eunice Davis | Medford |
| Marie DePue | Springfield |
| Claire Deyoe | Eugene |
| Gwendolyn F. Dicken | Eugene |
| Rollien Dickerson | Eugene |
| E. A. Doak | Ione |
| S. H. Doak | Lexington |
| Helen G. Downing | Seaside |
| Helen duBuy | Eugene |
| Claire Dunn | Eugene |
| Dorothy G. Dunn | Eugene |
| Gaven C. Dyott | Portland |
| C. H. Eagy | Albany |
| Stanley D. Eaton | Union |
| Ella Ehmsen | Portland |
| J. J. Elliott | Salem |
| James F. Elton | Astoria |
| Eric England | Portland |
| Clara A. Erdmann | Elmira |
| Blanche Ferdine | The Dalles |
| C. E. Ferguson | Eugene |
| Florence Judge Fink | Portland |
| Bert G. Ford | Salem |
| Irvin R. Fox | Portland |
| Ray Fox | Portland |
| Mildred Frye | Portland |
| Ester Furuset | Eugene |
| Margaret W. Galligar | Gold Hill |
| F. S. Gannett | Salem |
| Mrs. A. E. Gardner | Portland |
| R. W. Geary | Portland |
| Vernon Genn | Eugene |
| Roy W. Glass | Woodburn |
| Anna C. Godbersen | Mosier |
| Oscar J. Goreczky | Eugene |
| Frank L. Gramis | Marshfield |
| W. W. Green | Freewater |
| J. M. Gressly | Medford |
| Emily J. Griffin | Eugene |
| Marguerite Gross | Portland |
| Celia V. Hager | Eugene |
| Annie I. Hales | Eugene |
| Suma Hall | Potlatch, Idaho |
| Frank B. Hamlin | Roseburg |
| D. W. Hammack | Condon |
| Vida Hammond | Portland |
| Mae Harbert | Springfield |
| Mrs. B. G. Harding | Rogue River |
| B. G. Harding | Rogue River |
| Lloyd O. Harding | Oregon City |
| Hazel F. Harris | Salem |
| Hallie Ruth Hart | Portland |
| Grace Hartley | Alsea |
| Mrs. Zaidie Hartman | McMinnville |
| Margaret Hawkins | Portland |
| Ella Hayden | Springfield |
| O. W. Hays | Eugene |
| Willard L. Hayes | Sheridan |
| Ercel H. Hedrick | Drain |
| H. W. Heidenreich | Ashland |
| Grace C. Henderson | McMinnville |
| Oala Henline | Arkalon, Kansas |
| Donna Henry | Eugene |
| Dane B. Hill | Eugene |
| Vesta Holt | Eugene |
| V. E. Hoven | Eugene |
| C. A. Howard | Coquille |

| Name | Home Address |
|---|---|
| Ho-Sheng Huang | ....North Amoy, South China |
| Nellie Hughey | Colfax, Wash. |
| Arthur D. Hulburd | Astoria |
| Harold F. Humbert | Eugene |
| Mrs. H. L. Hussong | Astoria |
| H. L. Hussong | Astoria |
| J. G. Imel | Astoria |
| Dea L. Imel | Astoria |
| Howard M. James | Silverton |
| Anthony Jaureguy | Tacoma, Wn. |
| Nicholas Jaureguy | Tacoma, Wn. |
| Ida Johnson | Eugene |
| Helen M. Johnson | Eugene |
| Kittie E. Johnson | Portland |
| May B. Johnson | Madras |
| Ursula Johnson | Eugene |
| O. H. Jones | Eugene |
| Helen E. Judge | Portland |
| Marie Kauffman | Morenci, Ariz. |
| E. L. Keezel | Philomath |
| Caroline P. Keil | Wallace ,Idaho |
| Lottie Kerzun | Condon |
| F. B. Keefan | Deer Island |
| Eugene Keelan | Deer Island |
| Louisa Flint Kellems | Eugene |
| Ella Kennard | Santa Rosa, Calif. |
| Effie M. King | Myrtle Point |
| Mae D. Kinsey | Eugene |
| Florence Kirk | Junction City |
| Kathleen Kivett | Huntington |
| Hazel Knight | Dallas |
| C. T. Kronenberg | Fairview |
| Erma Laird | Pleasant Hill |
| Grace I. Liddell | Tacoma, Wash. |
| Mary Jane Line | Albany |
| W. K. Livingston | Heppner |
| J. E. Lomax | Boise, Idaho |
| Herbert W. Lombard | Eugene |
| Ethel Mae Loucks | Portland |
| H. H. Lowe | Eugene |
| Mae B. Lynch | Salem |
| Elizabeth Macdonald | Portland |
| Marjorie Machen | Springfield |
| Lucia Macklin | Portland |
| Margaret Mann | Eugene |
| Estella Marshall | Portland |
| Leona G. Marsters | Roseburg |
| W. G. McCarthy | Puyallup, Wn. |
| Walter McClure | Eugene |
| Mrs. Edna McCord | Clatskanie |
| Jesse McCord | Clatskanie |
| Jessie McCord | Cottage Grove |
| Margaret E. McCoskey | McMinnville |
| Margaret J. McCulloch | Oregon City |
| Linden McCullough | La Grande |
| Jessie H. McDonald | Scappoose |
| Frank William McElroy | Los Angeles, California |
| Alice McFarland | Grants Pass |
| Dove McGee | Eugene |
| Marjorie E. McGuire | Portland |
| Katherine C. McMillan | Portland |
| Lela McPherson | Springfield |
| Laura Jean Miller | Eugene |
| Marjorie V. Miller | Eugene |
| Florence Mitchell | Baker |
| Margaret Monroe | Portland |
| Ralph U. Moore | McMinnville |
| Walter J. Moore | Eugene |
| R. E. Morris | Roseburg |
| V. T. Motschenbacher | Klamath Falls |
| George W. Murphey | Riddle |
| Robert M. McMurray | Portland |
| J. A. Nagel | Sheridan |
| Esther Marion Nelson | Portland |
| Ethel Newland | Eugene |
| Lena B. Newton | Eugene |
| Royal F. Niles | Marshfield |
| J. W. Noblet | Airlie |
| May Novak | Scappoose |
| Mary E. O'Farrell | Eugene |
| E. J. Ortman | Newport |
| Gertrude Ost | Portland |
| Mrs. Elizabeth C. Page | Springfield |
| Hulda Parr | Laurel |
| Chalmer N. Patterson | Eugene |
| Leah Perkins | Cottage Grove |
| W. A. Petteys | Portland |
| C. Edwin Platts | Salem |
| Ethel A. Poland | Eugene |
| Annie M. Powell | Astoria |
| Charles W. Prim | Eugene |
| John R. Purcell | Portland |
| Jessie Purdy | Medford |
| Clara M. Pruehs | Charter Oak, Ia. |
| Harold W. Quigley | Portland |
| Basil E. Ralston | Portland |
| Hazel Rankin | Eugene |
| Mabel Rankin | Eugene |
| Ruth A. Ralston | Portland |
| J. B. Rees | Roseburg |
| Grace Reeves | Portland |
| Effie J. Rhodes | Portland |
| G. E. Richards | Forest Grove |
| Olive Robb | Eugene |
| G. R. Robinson | Weston |
| F. M. Roth | Canby |
| Ruth Rothrock | Athena |
| Giles Murrel Ruch | Eugene |

| Name | Home Address |
|---|---|
| Irene Rugh | Eugene |
| Agnes Ryder | Eugene |
| Lilli Schmidli | Oregon City |
| Georgia A. Searcy | Condon |
| Cord Sengstake, Jr. | Portland |
| Cleveland S. Simkins | Salem |
| Joseph W. Sheahan | Oregon City |
| Eberle Sheldon | Eugene |
| Glen Shockley | Baker |
| Frances Shoemaker | Eugene |
| Henry W. Sims | Eugene |
| Mrs. Alfred Skei | Eugene |
| Aubrey G. Smith | Union |
| F. C. Smith | Jacksonville |
| John W. L. Smith | Salem |
| Ruth G. Smith | Wolf Creek |
| Thora Smith | Medford |
| Melvin T. Solve | Camas Valley |
| Bernice L. Spencer | Eugene |
| C. G. Springer | Philomath |
| Marian Springer | Elgin, Ills. |
| Emily Spulak | Canby |
| Raymond R. Staub | Portland |
| Lucille Stanton | Eugene |
| Inez Stark | Eugene |
| Mildred Steinmetz | Portland |
| Roy Thomas Stephens | Portland |
| Emma Stephenson | Eugene |
| Sallie W. Stewart | Butte, Mont. |
| Gertrude Stone | Portland |
| Ruth M. Stone | Portland |
| Lexie Strachan | Dufur |
| Ethel L. Stubblefield | Marshfield |
| P. M. Stroud | Springfield |
| Carmen Swanson | Lebanon |
| Irene E. Sweeney | Portland |
| Anna B. Swindells | Portland |
| Arthur Folsom Tallman | Pendleton |
| Lourene Taylor | Eugene |
| Ruth Alice Taylor | Portland |
| C. C. Thomason | Portland |
| Mrs. C. C. Thomason | Portland |
| Clyde Thurston | Eugene |
| Grace I. Tiffany | Eugene |
| C. H. Tisdale | Sutherlin |
| Aileen Townsend | Portland |
| Evelyn Tregilgas | Portland |
| Harold R. Tregilgas | Portland |
| L. W. Turnbull | Bandon |
| Lois Turner | Sheridan |
| Mabel Van Zante | Portland |
| Mrs. Annette H. Vaughan | Eugene |
| Carroll M. Wagner | Ashland |
| Mazie O. Walker | Wilber |
| Mary E. Warrack | Portland |
| Isa Wasson | Eugene |
| Muriel Watkins | Eugene |
| Angelene E. Watson | Portland |
| Cora E. Ware | Bowling Green, Ky. |
| Harold J. Wells | Eugene |
| L. A. Wiley | Portland |
| D. W. Wight | Clatskanie |
| George M. White | Portland |
| Blanche V. Wilson | Roseburg |
| Helen C. Wilson | Mirimichi, N. B. Canada |
| L. A. Wilson | Portland |
| Ralph E. Winger | Gaston |
| Iva Belle Wood | Eugene |
| Hermes H. Wrightson | Portland |
| B. T. Youel | Eugene |
| F. H. Young | Eugene |
| Junia Young | Eugene |
| Echo June Zahl | Portland |

## SCHOOL OF MUSIC

| | |
|---|---|
| Arvid Albrecht | Eugene |
| Elmer Adams | Eugene |
| Rena Adam | Ontario |
| Ella Marie Baker | Eugene |
| Charlotte Banfield | Portland |
| Ruth Bartle | Eugene |
| Marie Louise Bartness | Hood River |
| D. S. Beals | Springfield |
| Elizabeth Bean | Eugene |
| Marcel Bean | Eugene |
| Helen Bell | Eugene |
| Junior Bell | Eugene |
| Dorothy Bennett | Portland |
| Mabel Bertsch | Springfield |
| Verena Black | Marcola |
| Marjorie Bolton | Eugene |
| Louis Bond | Eugene |
| Eugene Bowen | Eugene |
| Angela Bowler | Pendleton |
| Laura Bowen | Eugene |
| Lee M. Bown | Eugene |
| Dorothea Boynton | Eugene |
| Evelyn Bristow | Eugene |
| Margaret Brand | Cottage Grove |
| Elaine Brown | Eugene |
| Vada B. Brown | Eugene |
| Lyle Bryson | Eugene |
| Roy Bryson | Eugene |
| Gladys Bucknam | Eugene |
| Raymond Burns | Coquille |
| Mr. Byrne | Eugene |
| Carl Calef | Eugene |

| Name | Home Address |
|---|---|
| Anna Calvert | Eugene |
| Jane Campbell | Eugene |
| Dewey Campbell | Eugene |
| Madge Calkins | Eugene |
| Barbara Chamberlain | Ada |
| Clifford Chase | The Dalles |
| Irene Cherry | Eugene |
| Mabel Cochrane | Brownsville |
| Marie Copenhaver | Goshen |
| Pearl Craine | Bandon |
| Viola Crawford | Vancouver |
| Alice Cressey | Eugene |
| | |
| Ruth Danford | Springfield |
| H. W. Davis | Eugene |
| Anne Dawson | Albany |
| Dorothy Dixon | Eugene |
| Richard Dixon | Eugene |
| Jack Dolph | Portland |
| Mae Dominy | Eugene |
| Louise Donahoe | Chehalis, Wn. |
| Frances Dresser | Eugene |
| Marjorie Dresser | Eugene |
| Helen Jane Dull | Eugene |
| | |
| Donna Edmunson | Goshen |
| Geneva Edwards | Eugene |
| Lew Evans | Eugene |
| | |
| Crecene Fariss | Eugene |
| Kola Fellman | Eugene |
| Lorraine Fisher | Eugene |
| Roy Ford | Eugene |
| ——— Forneri | Eugene |
| Kathleen Fraley | Eugene |
| Katherine Franzwa | Eugene |
| Brownell Frazier | Eugene |
| Florence Furuset | Eugene |
| | |
| Jim Gano | Eugene |
| Byron Garrett | Hillsboro |
| Virgil Garrison | Eugene |
| F. Claire Gazley | Riddle |
| Josephine Getchell | Eugene |
| Helen Gilbert | Eugene |
| Albert Gillette | Eugene |
| Mary Alice Gillette | Eugene |
| Elizabeth Gilstrap | Eugene |
| Marion Gilstrap | Eugene |
| Roma Gross | Eugene |
| Helen Guttery | Hood River |
| | |
| Wayne Hadley | Eugene |
| Mable Hanna | Eugene |
| Carl Hansen | Portland |
| Herbert Hanson | Junction City |
| F. E. Harriman | Corvallis |
| Violet Harris | Eugene |
| Chandler Harper | Eugene |
| W. A. Haseltine | Portland |
| Margaret Hawkins | Portland |

| Name | Home Address |
|---|---|
| Cornelia Heese | Portland |
| Mrs. Arthur Hendershott | Eugene |
| Florida Hill | Eugene |
| Goldie Hodges | Eugene |
| Orlando Hollis | Eugene |
| Aileen Holmes | Eugene |
| Jerome Holzman | Portland |
| Cora Hosford | Portland |
| Elizabeth Houston | Klamath Falls |
| Dale Humbert | Eugene |
| Harold Humbert | Eugene |
| Wilbur Hulin | Eugene |
| Nita Hunter | Island City |
| Lucile Hester Hurd | Florence |
| | |
| Lyle Jensen | Junction City |
| Donald Johnson | Eugene |
| Julia Johnson | Junction City |
| | |
| Kenneth Kayser | Eugene |
| Frederick Kellogg | Eugene |
| Ray H. Kinney | Palo Alto, Calif. |
| Clara Knoop | Eugene |
| Alfons Korn | Eugene |
| Helen Kuykendall | Eugene |
| | |
| Adelaide Lake | Eugene |
| Vida Lamb | Eugene |
| Grace Lee | Eugene |
| Marian Linn | Eugene |
| Fred Lizar | Eugene |
| | |
| Reba Macklin | Portland |
| Margaret Mansfield | Portland |
| Wallace Marks | Eugene |
| Leta Mast | Coquille |
| Earl Matlock | Eugene |
| Ada Matthews | Cottage Grove |
| George Matthews | Cottage Grove |
| Jessie McCord | Cottage Grove |
| Helen McCormick | Eugene |
| Frank McElroy | Los Angeles |
| Adah McMurphey | Eugene |
| Elsie McMurphey | Eugene |
| Lilah McMurphey | Eugene |
| Bell Messick | Baker |
| Daise B. Middleton | Springfield |
| Frank Miller | Salem |
| Laura Miller | Portland |
| Ruth Miller | Eugene |
| Crystal Mills | Eugene |
| Harry Mills | Salem |
| Caroline Montague | Portland |
| Jack Montague | Portland |
| French Moore | Eugene |
| Maude Moore | Springfield |
| Beatrice Morris | Eugene |
| Winnie Morris | Eugene |
| | |
| Marian Neil | Portland |
| Burnice Nelson | McMinnville |
| Carl Nelson | Chicago |

| Name | Home Address |
|---|---|
| Clarence Nelson | Eugene |
| Richard Nelson | Eugene |
| Edward Nunn | Eugene |
| Ruth Nunn | Eugene |
| Herman Oakes | Eugene |
| Lela May Oakes | Eugene |
| Anastasia O'Farrell | Eugene |
| Hugh Orr | Eugene |
| Helene Ogsbury | Eugene |
| Earl Parker | Springfield |
| Eunice Parker | Springfield |
| Lois Parker | Eugene |
| Mellie Parker | Astoria |
| Mrs. Parker | Eugene |
| Elizabeth Parkinson | Eugene |
| Bernice Perkins | Baker |
| Leah Perkins | Cottage Grove |
| Curtis Peterson | Eugene |
| Ford Peterson | Eugene |
| Mrs. Ursula Pim | Eugene |
| Lois Pixley | Eugene |
| Gertrude Porter | Halsey |
| Jessie Powell | Eugene |
| Rose E. Powell | Eugene |
| Helen Powers | Eugene |
| Lucy Powers | Marshfield |
| Helen Purington | Burns |
| Hazel Radabaugh | Pleasant Hill |
| Lee Rapp | Eugene |
| Olive Ann Risley | Milwaukie |
| Milo Roach | Eugene |
| Noble Robinson | Eugene |
| Myrtle Ross | Pendleton |
| Gladys Rowland | Eugene |
| Sylvia Rowland | Hillsdale |
| Genevieve Rowley | Vancouver, Wn. |
| Remy Rugh | Eugene |
| Irene Rugh | Eugene |
| Charles Runyan | Eugene |
| F. A. Safford | Eugene |
| Crystal Scarbrough | Eugene |
| Robert Scearce | Eugene |
| Grace Service | Baker |
| Hoy Shisler | Harrisburg |
| Kenneth Short | Eugene |
| Gladys Shute | Hillsboro |
| Anna Sipperly | Eugene |
| Orma Slattery | Eugene |
| Evelyn Smith | Eugene |
| Helen Smith | Eugene |
| Melvin Solve | Bandon |
| Paul Spangler | Eugene |
| Freda Stacy | Eugene |
| David Lloyd Stearns | Portland |
| Geneva M. Stebno | Eugene |
| Lloyd W. Still | Milton |
| Hobart Stout | Eugene |
| Irene Strowbridge | Portland |
| Ruth Sweeney | Kelso, Wash. |
| Frances Tallmadge | Portland |
| George Taylor, Jr. | Eugene |
| Martha Tinker | Eugene |
| Weltha Trafzer | Eugene |
| Buster Travis | Eugene |
| Fredericka Travis | Eugene |
| Gould Travis | Eugene |
| Alice Vander Sluis | Talent |
| Gladys Van Nuys | Parkdale |
| William Vawter | Medford |
| Eva Von Berg | Albert Lea, Minn. |
| Joyce Vernon | Eugene |
| Lucile Wald | Eugene |
| Joy Walker | Springfield |
| Ernest Watkins | Bandon |
| Beatrice Wetherbee | Eugene |
| Lucille Wetzell | Eugene |
| Edna Whipple | Eugene |
| Clare Whitton | Eugene |
| Gail Winchell | Eugene |
| W. B. Yergen | Hubbard |
| Lucile Yoran | Eugene |
| Annie Young | Springfield |

## SUMMARY OF OFFICERS AND INSTRUCTORS

| | | |
|---|---|---|
| Aministration— | | |
| 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 | | 25 |
| College of Literature, Science and the Arts: | | |
| Men | 563 | |
| Women | 448 | |
| | — | 1011 |
| Summer School | | 314 |
| School of Medicine | | 73 |
| School of Music | | 228 |
| | | 1651 |
| Names appearing more than once | | 108 |
| Total students in residence | | 1543 |
| Correspondence-Study Department | | 570 |
| Total students in all departments | | 2113 |
| Total officers, instructors and students | | 2259 |

# INDEX


## A

Accredited Schools ..... 45
Admission to the University 42
Advanced Undergraduate Standing ..... 47
College of Literature, Science and the Arts ..... 42
English, Entrance Examination in ..... 44
From other states ..... 47
Graduate School ..... 73
Methods of ..... 45
School of Education ..... 212
School of Law .....47-231
School of Medicine .....47-252
Special Student Standing 48
Summer School ..... 303
Absence, Leave of ..... 52
Administrative Officers .... 9
Advanced Standing ..... 47
Alumni Association ..... 64
Alumni Medal ..... 65
American Literature ..... 107
Amount of Work ..... 51
Architecture and Arts ..... 187
Art .....86-199
Assembly ..... 64
Associated Students ..... 56
Associated Students, Regular Meetings of ..... 7
Astronomy ..... 157
Athletic Council ..... 60
Athletic Council, Regular Meetings of ..... 60
Athletics ..... 60
Attendance at Classes .... 52

## B

Band ..... 61
Beekman Prize ..... 65
Bennett Prize ..... 65
Board and Room ..... 68
Board of Regents ..... 8
Board of Regents, Regular Meetings of ..... 7
Botanical Museum ..... 34
Botany ..... 86
Buildings and Grounds .... 28
Bulletins ..... 55

## C

Calendar ..... 5
Certification of High School Teachers ..... 213
Change of Major ..... 52
Change of Studies ..... 49
Chemistry ..... 89
College Alumnae Scholarship 66
College Credit Extra High School Subjects ..... 44
College of Literature, Science and the Arts ..... 77
Commencement Program .. 309
Commerce, School of ..... 202
Committees of the Faculty 23
Commonwealth Review .... 55
Conditions and Incompletes 52
Condon Geological Collection ..... 34
Correspondence-Study, School of ..... 298
Cost of Living ..... 68
Council of Women Students 56
Credits, Entrance ..... 42
Credits, Excess ..... 44

## D

Deans ..... 9
Debating Asociations ..... 59
Degrees—
Bachelor of Arts ..... 84
Bachelor of Science ..... 84
Master's Degree ..... 75
Degrees Conferred ..... 309
Divisions—
Lower ..... 82
Upper ..... 83
Dismissal from Courses .... 51
Domestic Science and Arts 145
Dormitories ..... 69
Drawing ..... 197

## E

Economics ..... 94
Edison Marshall Prize .... 65
Education ..... 100
Education, School of ..... 211
Employment ..... 70
Engineering, Course Preparatory to ..... 82
English ..... 104
English Composition ..... 104
English Language ..... 109
English Literature ..... 110
English, Matriculation Examination in ..... 44
Enrollment in Classes .... 49
Entrance Requirements ... 42
Environs ..... 28
Examination in English .. 44
Excess Matriculation Credits ..... 44
Expenses ..... 68
Extension Division ..... 291
Extension Monitor ..... 55

F

Faculty, Committees of ... 23
Faculty, the General ..... 10
Faculty, Regular Meetings of ..... 7
Failing Prize ..... 65
Fees, Incidental, Student Body, Diploma ..... 68
Change of Course ..... 50
Laboratory ..... 71
Late Registration ..... 49
Law ..... 236
Medicine ..... 257
Music ..... 290
Summer School ..... 305
Fine Arts ..... 199
French .....115-177
Freshman Studies ..... 44
Friendly Hall ..... 69

G

General Information ..... 55
General Regulations ..... 49
Geological Museum ..... 34
Geology ..... 116
Germanic Languages and Literature ..... 123
Glee Club ..... 61
Government ..... 27
Grading, System of ..... 53
Graduate School ..... 73
Graduation Requirements .. 84
Greek Language and Literature ..... 131
Gymnasium, Course for Teachers of ..... 224
Gymnasium, Required Credits ..... 83
Gymnasium Work ..... 83

H

High School Teachers, Course for ..... 220
High Schools, Accredited.. 46
Historical Sketch ..... 24
History of Art ..... 199
History ..... 134
Honors ..... 53
Hours, or Credits ..... 51
Household Arts ..... 145
Hygiene ..... 139

I

Incidental Fee ..... 68
Incompletes and Conditions 52
Italian ..... 180

J

Journalism, School of .... 227

L

Laboratories ..... 37
Botany ..... 40
Chemistry ..... 37
Geology ..... 37
Physics ..... 39
Psychology ..... 38
Zoology ..... 41
Laboratory Fees ..... 71
In Botany ..... 89
In Chemistry ..... 92
In Gymnasiums ..... 140
In Physics ..... 164
In Psychology ..... 173
In Zoology ..... 186
Language Requirement .... 83
Late Registration Fee .... 49
Latin Language and Literature ..... 149
Law, Course Preparatory to 80
Law, School of ..... 230
Leave of Absence ..... 52
Library and Reading Room 32
Library, Staff of .....22-32
Loan Fund ..... 62
Lower Division ..... 82

M

Major, Change of ..... 52
Major, Subject ..... 84
Marks, Schedule of ..... 53
Mary Spiller Hall ..... 70
Mary Spiller Scholarship .. 66
Master's Degree ..... 75
Mathematics ..... 152
Matriculation, Excess Credits ..... 44
Maximum Number of Hours 51
Mechanics and Astronomy.. 157
Medal, Alumni ..... 65
Medicine, Combined Seven-Year Course ..... 80
Medicine, Course Preparatory to .....79-182
Medicine, School of ..... 246
Men's Dormitory ..... 69
Military Courses ..... 85
Minimum Amount of Work Accepted ..... 51
Minimum Number of Hours 51
Museums ..... 34
Music, School of ..... 283
Music Teachers, Course for 224

N

News Bulletin ..... 55
Norwegian ..... 130

**O**

Officers, Administrative ... 9
Officers of Board of Regents 8
Officers of Instruction ..... 10
Oratorical Associations .... 59
Orchestra ..... 61
Oregana ..... 55
Oregon Emerald ..... 55
Organization of University. 72

**P**

Pan Hellenic Scholarship.. 67
Philosophy ..... 159
Physical Education ..... 139
Physical Training, Men.... 164
Physics ..... 163
Political Science ..... 168
Portuguese ..... 180
Premedical Course .....79-182
Principals, Course for ..... 224
Prizes and Scholarships ... 65
Psychology ..... 170
Public Speaking ..... 174
Publications ..... 55

**R**

Regents, Board of ..... 8
Regents, Regular Meetings of ..... 7
Registration ..... 49
Required Work ..... 82
Language ..... 83
Major ..... 84
Physical Training ..... 83
Thesis ..... 84
Requirements for Entrance 42
Rhetoric ..... 104
Rhodes Scholarship ..... 67
Romance Languages and Literatures ..... 177
Rooms in Private Families 70

**S**

Scandinavian Languages and Literature .....130-181
Schedule of Marks ..... 53
Scholarships ..... 65
Collegiate Alumnae ..... 66
Mary Spiller ..... 66
Medicine ..... 66
Pan Hellenic ..... 67
Rhodes ..... 67
Self-Support ..... 70
Societies ..... 60
Athletic ..... 60
Der Verein Germania .... 57
Dramatic Club ..... 57
Honorary, National ..... 61
Literary ..... 56
Mathematical ..... 57
Musical ..... 61
Oratory and Debate ..... 59
Religious ..... 57
Sociology ..... 94
Spanish ..... 179
Special Student Standing .. 48
Student Body ..... 56
Student Body Fee ..... 68
Student Council ..... 56
Student Expenses ..... 68
Students Enrolled ..... 312
Study Card ..... 49
Summer School ..... 303
Summary ..... 328
Swedish ..... 130

**T**

Teachers' Bureau .....63-214
Teachers' Certificates ..... 213
Thesis ..... 84

**U**

University Choir ..... 61
University, History of ..... 24
University, Organization of 72
University Regulations .... 49
Upper Division ..... 83

**W**

Withdrawal from Class ... 50
Withdrawal from University 50
Women's Council ..... 56
Women's Dormitory ..... 70
Work, Opportunities for ... 70

**Y**

Young Men's Christian Association ..... 57
Young Women's Christian Association ..... 58

**Z**

Zoological Museum ..... 36
Zoology ..... 181