

THE  
UNIVERSITY OF OREGON  
EUGENE

CATALOG 1919-1920  
ANNOUNCEMENTS 1920-1921



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1920

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University of Oregon,  
Eugene, Oregon.

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\*Since this part of the Catalog was printed the Regents have made changes in the Incidental Fee and Student Body Tax, increasing the payment each term to \$10.75.

## CALENDAR, 1920-21

September 25 to December 17—Fall Term.

January 3 to March 25—Winter Term.

April 4 to June 17—Spring Term.

### CALENDAR, 1920

JULY							AUGUST							SEPTEMBER																																														
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S																																								
					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																									
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	29	30	31	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							NOVEMBER							DECEMBER																																												
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S																																						
					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																							
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	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, 1921

JANUARY							FEBRUARY							MARCH																																														
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S																																								
						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																								
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	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							MAY							JUNE																																													
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S																																							
					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																								
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	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 IN DETAIL

- September 25, Saturday. Fall term opens. Examination in English Composition for freshmen.
- September 27, Monday. Payment of incidental fees and registration for the Upper Division. 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 students of the Upper Division.
- September 28, Tuesday. Registration of students in the Lower Division. Instructors keep office hours for consultation with students of the Lower Division.
- September 29, Wednesday. All University work begins.
- October 7, Thursday. Regular meeting, Associated Students.
- November 1, Monday. Last date in term for change of course.
- November 24, 12 M., to November 28, Sunday. } Thanksgiving recess.
- December 1, Wednesday. Last date for withdrawal from class.
- December 6, Monday. } Examinations for removal of conditions.
- December 7, Tuesday. }
- December 9, Thursday. Regular meeting, Associated Students.
- December 15, 16, 17. Term examinations.
- December 18, Saturday, to January 2, Sunday. } Christmas vacation.
- January 3, Monday. Winter term begins.
- January 18, Tuesday. Regular meeting of the Board of Regents, Johnson Hall.

February 1, Tuesday.	Last day in term for change in course.
February 22, Tuesday.	Washington's birthday. A holiday.
March 1, Tuesday.	Last date in term for withdrawals from class.
March 10, Thursday.	Regular meeting, Associated Students.
March 23, 24, 25.	Term examinations.
March 26, Saturday, to April 3, Sunday.	Spring vacation.
April 4, Monday.	Spring term begins.
April 23, Saturday.	Date for filing with the Registrar typewritten copies of the Failing and Beekman orations.
May 2, Monday.	Last day in term for change in course.
May 2, Monday, May 3, Tuesday.	Examinations for removal of conditions.
May 5, Thursday.	Regular meeting, Associated Students. Annual elections.
May 13, Friday, May 14, Saturday.	Junior Week-end holidays.
May 24, Tuesday.	Last date of term for withdrawal from class.
May 30, Monday.	Memorial Day. A holiday.
June 15, 16, 17.	Term examinations.
June 17, Friday.	Commencement play.
June 18, Saturday.	Alumni Council meeting, 9:00 A. M.; Alumnae Association meeting, Johnson Hall, 10 A. M.; Alumni business meeting, Johnson Hall, 11 A. M.; Alumni Dinner, 12; President's Reception, 3 P. M.; Flower and Fern Procession, 7 P. M.; Failing and Beekman Orations, 8 P. M.
June 19, Sunday.	Baccalaureate sermon, 11 A. M.
June 20, Monday.	Commencement exercises, 10 A. M.

## REGULAR MEETINGS OF BOARD OF REGENTS, 1920-21

Tuesday, January 18,	1921
Tuesday, June 14,	1921

## REGULAR MEETINGS OF THE FACULTY, 1920-21

Thursday, October 7,	1920
Thursday, November 4,	1920
Thursday, December 2,	1920
Thursday, January 6,	1921
Thursday, February 3,	1921
Thursday, March 3,	1921
Thursday, April 7,	1921
Thursday, May 5,	1921
Thursday, June 2,	1921

## REGULAR MEETINGS OF ATHLETIC COUNCIL, 1920-21

Saturday, December 11,	1920
Saturday, March 12,	1921
Saturday, June 4,	1921

## REGULAR MEETINGS, ASSOCIATED STUDENTS, 1920-21

Thursday, October 7,	1920
Thursday, December 9,	1920
Thursday, March 10,	1921
Thursday, May 5,	1921
Thursday, June 2,	1921



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

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

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

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

ELIZABETH FREEMAN FOX, B. A.,  
Dean of Women.

JOHN J. LANDSBURY, Mus. Dr.,  
Dean of School of Music.

GEORGE REBEC, Ph. D.,  
Director Portland Extension Center

## OFFICERS OF INSTRUCTION

## THE FACULTY\*

P. L. CAMPBELL, B. A., LL. D., President of the University. B. A. Harvard University, 1886. LL. D. University of Colorado, 1913.	EUGENE
PERCY PAGET ADAMS, B. S., Professor of Graphics. B. A. University of Oregon, 1901; B. S., 1902.	EUGENE
ERIC W. ALLEN, B. A., Dean of the School of Journalism and Professor of Journalism. B. A. University of Wisconsin, 1901.	EUGENE
WILLIAM F. ALLEN, Ph. D., Professor of Anatomy.	PORTLAND
JOHN C. ALMACK, B. A., Acting Director Extension Division. B. A. University of Oregon, 1918.	EUGENE
ALVIN WALTERS BAIRD, B. A., M. D., Assistant Professor of Surgery.	PORTLAND
CAPTAIN RAYMOND C. BAIRD, U. S. A., Professor of Military Science and Tactics.	EUGENE
WALTER CARL BARNES, B. A. (Oxon.) Professor of History B. A. Colorado College, 1912. Graduate Student University of California, 1912-13. B. A. Honour School of Modern History Oxford University, England.	EUGENE

\*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.

- JAMES DUFF BARNETT, Ph. D., EUGENE  
Professor of Political Science.  
B. A. College of Emporia.  
Ph. D. University of Wisconsin.
- ERNEST SUTHERLAND BATES, Ph. D., EUGENE  
Professor of Rhetoric and American Literature.  
B. A. University of Michigan, 1902; M. A., 1903.  
Ph. D. Columbia University, 1908.
- JAMES FRANCIS BELL, M. D. PORTLAND  
Emeritus Professor of Theory and Practice of Medicine.
- ROBERT L. BENSON, M. D., PORTLAND  
Professor of Pathology.
- J. B. BILDERBACK, M. D., PORTLAND  
Professor of Pediatrics.
- THOMAS J. BOLITHO, EUGENE  
Professor of Accounting.  
B. A. Washington State, 1917.
- JOHN FREEMAN BOVARD, Ph. D., EUGENE  
Professor of Zoology.  
B. S. University of California, 1903; M. S., 1906;  
Ph. D., 1917.
- 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.
- I. C. BRILL, B. A., M. D., PORTLAND  
Assistant Professor of Medicine.
- JULIA BURGESS, M. A., EUGENE  
Professor of Rhetoric.  
B. A. Wellesley College.  
M. A. Radcliffe College.

- GEORGE E. BURGET, B. S., M. D., PORTLAND  
Professor of Physiology.
- \*ALBERT EDWARD CASWELL, Ph. D., EUGENE  
Professor of Physics.  
B. A. Leland Stanford Junior University, 1908;  
Ph. D., 1911.
- HERMAN ALDRICH CLARK, M. A., EUGENE  
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.
- R. C. COFFEY, M. D., PORTLAND  
Acting Professor of Surgery.
- H. W. COFFIN, M. D., PORTLAND  
Acting Professor of Medicine.
- T. HOMER COFFEN, A. B., M. D., PORTLAND  
Assistant Professor of Clinical Medicine.
- HOWARD I. COLE, Ph. D., EUGENE  
Professor of Chemistry.  
B. Chem., Cornell University, 1914.  
Ph. D., Cornell University, 1917.

\*Leave of Absence.

- EDMUND S. CONKLIN, Ph. D.,  
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. EUGENE
- MABEL LOUISE CUMMINGS  
Director of Women's Gymnasium.  
Boston Normal School of Gymnastics.  
University of Chicago.  
Tufts College Medical School.  
Rush Medical School. EUGENE
- PETER CAMPBELL CROCKATT, M. A.,  
Professor of Economics.  
B. A., University of Oregon, 1915; M. A., 1918. EUGENE
- BURCHARD WOODSON DE BUSK, Ph. D.,  
Professor of Education.  
B. A., University of Indiana, 1904.  
Ph. D., Clark University, 1915. EUGENE
- EDGAR EZEKIEL DECOU, M. S.,  
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. EUGENE
- RICHARD BENJAMIN DILLEHUNT, B. S., M. D.,  
Dean School of Medicine.  
Professor of Anatomy. PORTLAND
- J. F. DICKSON, M. D.,  
Professor of Ophthalmology. PORTLAND
- H. R. DOUGLAS, B. A.,  
Professor of Education.  
B. A. University of Missouri, 1915. EUGENE

- FREDERICK STANLEY DUNN, M. A.,  
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. EUGENE
- COLIN VICTOR DYMENT,  
Professor of Journalism.  
B. A. University of Toronto (University College), 1900. PORTLAND
- \*CHARLES H. EDMONDSON, Ph. D.,  
Professor of Zoology.  
B. Ph. University of Iowa, 1903; M. S., 1904; Ph. D., 1906. EUGENE
- CRAWFORD C. EDMONDS  
Professor of Business Management and Salesmanship.  
B. A. Wisconsin, 1915.  
M. A. Wisconsin, 1917. EUGENE
- J. EARL ELSE, M. S., M. D.,  
Assistant Professor of Surgery. PORTLAND
- JEANNE LOUISE FAYARD,  
Assistant Professor in Romance Languages.  
B. A. University of California, 1917.  
Graduate Student University of California, 1918. EUGENE
- ROSALINA ESPINOSA,  
Assistant Professor of Spanish.  
B. A. University of Colorado, 1917. EUGENE
- G. L. FINNERTY,  
Assistant Professor in Education. EUGENE
- ELIZABETH FREEMAN FOX, B. A.,  
Dean of Women.  
B. A. Barnard College. EUGENE



ANDREW JACKSON GIESY, M. D., Emeritus Professor of Clinical Gynecology.	PORTLAND
J. ALLEN GILBERT, Ph. D., M. D., Assistant Professor of Medicine.	PORTLAND
JAMES HENRY GILBERT, Ph. D., Professor of Economics. B. A. University of Oregon, 1903. Ph. D. Columbia University, 1907.	EUGENE
CHESTER A. GREGORY, M. A., Professor of Education. B. A., University of Indiana, 1908; M. A., 1915.	EUGENE
MOZELLE HAIR, B. A., Secretary of Extension Department. B. A. University of Oregon, 1908.	EUGENE
ROBERT C. HALL Assistant Professor of Journalism.	EUGENE
HOWARD D. HASKINS, B. A., M. D., Professor of Biochemistry.	PORTLAND
BENJAMIN JAMES HAWTHORNE, M. A., Professor Emeritus of Psychology M. A. Randolph-Macon College.	EUGENE
WILLIAM L. HAYWARD, Director of Physical Training	EUGENE
W. B. HOLDEN, M. D., Acting Professor of Surgery.	PORTLAND
EDWARD WILLIAM HOPE, Ph. D., 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.	EUGENE

WILLIAM HOUSE, M. D., Assistant Professor of Nervous and Mental Diseases.	PORTLAND
HERBERT CROMBIE HOWE, B. A., Professor of English Literature. B. A. Cornell University, 1893. Graduate Scholar Cornell University, 1893-95.	EUGENE
SIMEON EDWARD JOSEPHI, M. D., Emeritus Professor of Nervous and Mental Diseases.	PORTLAND
FREDERICK A. KIEBLE, A. B. M. D., Assistant Professor of Ophthalmology, Otology, Rhinology, and Laryngology.	PORTLAND
J. C. ELLIOTT KING, M. D., Assistant Professor of Dermatology and Syphilology.	PORTLAND
WILLIAM S. KNOX, B. S., M. D., Assistant Professor of Clinical Medicine.	PORTLAND
GEORGE F. KOEHLER, M. D., Assistant Professor of Medicine.	PORTLAND
EDMUND JOHN LABBE, M. D., Professor of Obstetrics.	PORTLAND
JOHN J. LANDBURY, Mus. Dr., Dean of School of Music and Professor of Music. Mus. B. Simpson College, 1900; Mus. Dr., 1909.	EUGENE
THOMAS A. LARREMORE, B. A., LL. B., Professor of Law B. A. Yale University, 1911, LL. B., Columbia University, 1916	EUGENE
ELLIS FULLER LAWRENCE, M. S., Dean of School of Architecture and Professor of Architecture. B. S., M. S., Massachusetts Institute of Technology.	EUGENE

- ALFRED LEWIS LOMAX, EUGENE  
 Professor of Foreign Trade and Accounting.  
 Formerly with George Wills & Sons, Ltd. (Export Merchants).  
 United States Shipping Board.  
 McCargar, Bates & Lively.
- ALBERT EDWARD MACKAY, M. D., PORTLAND  
 Professor of Diseases of Genito-Urinary Organs.
- \*KENNETH ALEXANDER J. MACKENZIE, M. D., C. M., PORTLAND  
 L. R. C. P. and L. R. C. S., Edinburg,  
 Dean of the School of Medicine and Professor of  
 Operative and Clinical Surgery
- RALPH CHARLES MATSON, M. D., PORTLAND  
 Assistant Professor of Medicine.
- RAY W. MATSON, M. D., PORTLAND  
 Assistant Professor of Medicine.
- EDWARD HIRAM MCALISTER, M. A., EUGENE  
 Professor of Mechanics and Astronomy.  
 B. A. University of Oregon, 1890; M. A., 1893.
- CLARENCE J. MCCUSKER, B. S., M. D., PORTLAND  
 Assistant Professor of Obstetrics.
- FRANK R. MENNE, B. S., M. D., PORTLAND  
 Professor of Pathology.
- WILLIAM EDMUND MILNE, Ph. D., EUGENE  
 Professor of Mathematics.  
 B. A. Whitman College, 1912.  
 M. A. Harvard University, 1913; Ph. D., 1915.
- GEORGE S. MONK, B. S., EUGENE  
 Assistant Professor of Physics.  
 B. S. University of Chicago.

\*Died March 15, 1920.

- D. WALTER MORTON, M. A., B. D., C. P. A., EUGENE  
 Dean of the School of Commerce and  
 Director Extension School of Commerce  
 B. A. Dickson 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.
- RICHARD NUNN, B. A., B. Ch., M. D., PORTLAND  
 Professor of Diseases of Eye, Ear, Nose and Throat.
- EARL L. PACKARD, Ph. D., EUGENE  
 Professor of Geology  
 B. A. University of Washington, 1911; M. A., 1912.  
 Ph. D. University of California, 1915.
- MARY HALLOWELL PERKINS, M. A., EUGENE  
 Professor of Rhetoric.  
 B. A. Bates College.  
 M. A. Radcliffe College.  
 Graduate Student in English Columbia University, 1916-1917.
- ROBERT W. PRESCOTT, B. A., EUGENE  
 Professor of Public Speaking.  
 B. A. University of Oregon, 1908.
- GEORGE REBEC, Ph., D., PORTLAND  
 Director of Portland Extension Center  
 B. Ph. University of Michigan; Ph. D., 1897.
- ARCHIBALD F. REDDIE, B. A., EUGENE  
 Professor of Public Speaking.  
 Graduate Emerson College of Oratory.  
 B. A. Valparaiso University (Honorary).
- HELEN RHODES EUGENE  
 Assistant Professor of Art.  
 Cowles Art School, Boston.  
 National Academy of Design, New York City.  
 Teachers' College, Columbia University.

- EDWIN CLYDE ROBBINS, Ph. D., EUGENE  
Professor of Economics and Sociology.  
B. A. State University of Iowa, 1910; M. A., 1912.  
Ph. D. Columbia University, 1915.
- LOUIS C. ROSENBERG, EUGENE  
Professor of Architectural Design.  
Massachusetts Institute of Technology Fellowship in Architecture, 1914.
- GILES M. RUCH, EUGENE  
Professor of Education.  
B. A. University of Oregon, 1914.  
Graduate Student University of Oregon, 1918; Leland Stanford University, 1918-19.
- E. H. SAWYER, M. D., EUGENE  
Director of University Infirmary.
- \*JOSEPH SCHAEFER, 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 GEORGE G. SCHMIDT, Ph. D., EUGENE  
Professor of the German Language and Literature.  
Student at the University of Erlangen, 1888-90.  
Scholar and Fellow at Johns Hopkins University,  
1894-96. Ph. D., 1896.
- ALFRED HERMAN SCHROFF, EUGENE  
Professor of Fine Arts.
- CHARLES E. SEARS, B. S., M. D., PORTLAND  
Assistant Professor of Medicine.
- H. J. SEARS, Ph. D., PORTLAND  
Professor of Bacteriology

\*Resigned.

- LAURENCE 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.
- \*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.

\*Leave of Absence.

- W. F. G. THACHER, M. A.,  
Professor of Rhetoric and University Editor  
B. A. Princeton University, 1900; M. A., 1906.  
Graduate Student University of Chicago, 1906. EUGENE
- HARRIETT THOMSON, B. A.,  
Assistant Physical Director for Women.  
B. A. University of Michigan. EUGENE
- EDWARD THORSTENBERG, Ph. D.,  
Professor of Scandinavian Languages and Literatures.  
B. A. Bethany College, 1899.  
Scholar Yale University, 1900-03; M. A., 1902; Ph. D., 1904. EUGENE
- LILIAN TINGLE,  
Professor of Household Arts.  
Graduate of Educational Trust School of Domestic Economy,  
Aberdeen, Scotland.  
Student at Robert Gordon's College, Aberdeen, Scotland.  
Student at Aberdeen University, 1898-1899.  
Student at University of Wisconsin Summer School, 1900.  
Teaching Certificate for Chemistry and Physiology from  
British government. EUGENE
- ERNEST FANNING TUCKER, B. A., M. D.,  
Professor of Gynecology. PORTLAND
- GEORGE S. TURNBULL, B. A.,  
Professor of Journalism  
B. A. University of Washington, 1915. EUGENE
- SAM B. WARNER, LL. B.,  
Professor of Law.  
B. A. Harvard University, 1912; LL. B., 1915. EUGENE
- MARY WATSON, M. A.,  
Professor of English Literature.  
B. A. University of Oregon, 1909; M. A., 1911.  
Graduate Student Columbia University, 1918-1919. EUGENE
- GEORGE MILTON WELLS, M. D.,  
Emeritus Professor of Pediatrics. PORTLAND

- RAYMOND HOLDER WHEELER, Ph. D.,  
Professor of Psychology.  
B. A. Clark College, 1912.  
Scholar and Fellow in Experimental Psychology,  
Clark University, 1912-15; M. A., 1913; Ph. D., 1915. EUGENE
- CALVIN S. WHITE, M. D.,  
Assistant Professor of Medicine (Hygiene and Sanitation). PORTLAND
- GEORGE SHATTUCK WHITESIDE, M. D.,  
Assistant Professor of Genito-Urinary Surgery. PORTLAND
- OTIS BUCKMINSTER WIGHT, B. A., M. D.,  
Assistant Professor of Gynecology. PORTLAND
- GEORGE FLANDERS WILSON, M. D.,  
Professor of Principles and Practice of Surgery. PORTLAND
- ROBERT CLARK YENNEY, M. D.,  
Professor of Clinical Medicine. PORTLAND
- FREDERICK GEORGE YOUNG, B. A.,  
Dean of Graduate School and  
Professor of Economics and Sociology.  
B. A. Johns Hopkins University, 1886.  
University Scholar Johns Hopkins University, 1886-87. EUGENE
- JAMES CULLEN ZAN, M. D.,  
Associate Professor of Clinical Surgery. PORTLAND

## INSTRUCTORS AND ASSISTANT INSTRUCTORS

- CHARLOTTE BANFIELD,  
Instructor in Public Speaking. EUGENE
- CATHERINE WETHERILL BEEKLEY,  
Instructor in Zoology. EUGENE  
B. S. University of Pennsylvania, 1910.  
Graduate Work Eugenics Record Office, New York, 1913.  
Marine Biological Laboratory, Woods Hole, Mass., 1919.

CECELIA SMITH BELL, B. A., Instructor in English Literature. B. A. University of Oregon, 1911.	EUGENE
LEWIS A. BOND, M. S. Assistant in Geology. B. S. University of Oregon, 1916. M. S. University of Oregon, 1917.	EUGENE
ALEXANDER P. BOWEN, B. A. Assistant in Psychology. B. A. University of Oregon, 1917.	EUGENE
MARY CHAMBERS, B. A. Assistant in Zoology. B. A. University of Oregon, 1917.	EUGENE
JOHN H. CLARK, B. S. Assistant in Economics. B. S. Washington State College, 1919.	EUGENE
NORMA B. DOBIE, B. A., Instructor in English Literature. B. A. University of Oregon, 1914.	EUGENE
ANDREW FISH, B. A. Instructor in History. B. D. Pacific Unitarian School for the Ministry, 1917. B. A. University of Oregon, 1920.	EUGENE
CELESTE FOULKES, B. A., Instructor in Botany. B. A. University of Oregon, 1918.	EUGENE
DOROTHY GILSON, B. A. Assistant in Latin. B. A. University of California, 1918.	EUGENE
MARGARET B. GOODALL, B. A., Instructor in Education. B. A. University of Oregon, 1904.	EUGENE

LOIS GRAY, B. A., Instructor in Romance Languages. B. A. University of Oregon, 1916.	EUGENE
RUTH GREEN, B. A., Assistant in Rhetoric. B. A. University of Oregon, 1919.	EUGENE
CELIA V. HAGER, M. A. Instructor in Psychology. B. A. University of Oregon, 1912; M. A., 1918.	EUGENE
CHAS. A. HUNTINGTON, Instructor in Physical Education for Men.	EUGENE
FRANK B. KELSEY, B. S. Assistant in Geology B. S. Washington State College.	EUGENE
RAY KINNEY, Instructor in Commerce.	EUGENE
CAMILLE LEACH, Assistant Instructor in Art	EUGENE
CLYDE MASON, B. A. Assistant in Chemistry. B. A. University of Oregon, 1919.	EUGENE
RUTH MONTGOMERY, B. A. Assistant in Education. B. A. University of Oregon, 1919.	EUGENE
VICTOR P. MORRIS, B. A., Instructor in Education. B. A. University of Oregon, 1915.	EUGENE
MARCUS O'DAY Assistant in Physics University of Oregon.	EUGENE

- EDITH BAKER PATTEE, B. A.,  
Instructor in Education.  
B. A. University of Oregon, 1912. EUGENE
- ARTHUR RUNQUIST, B. S.,  
Instructor in Art.  
B. S. University of Oregon, 1919. EUGENE
- ETHEL I. SANBORN, M. A.,  
Curator of Herbarium.  
B. S. State College, South Dakota, 1903.  
B. A. University of South Dakota, 1904; M. A., 1907.  
Stanford University, 1917-18. EUGENE
- ANTOINETTE SHUMWAY, B. S.,  
Instructor in Household Arts.  
B. S. University of Washington, 1918. EUGENE
- ISABELLE SLAVIN, B. A.,  
Assistant in Zoology.  
B. A. University of Nevada, 1919. EUGENE
- MELVIN T. SOLVE, B. A.,  
Instructor in Rhetoric.  
B. A. University of Oregon, 1918. EUGENE
- ELIZABETH MARGARET TAYLOR,  
Instructor in Spanish.  
Los Angeles State Normal School, 1914.  
University of Southern California, 1916-1917.  
B. A. Occidental College, 1918.  
Graduate Student University of California. EUGENE
- GEORGE W. TAYLOR, B. A.  
Assistant in Physics.  
B. A. University of Oregon, 1919. EUGENE
- IDA V. TURNEY, M. A.,  
Instructor in Rhetoric.  
B. A. University of Oregon, 1912; M. A., 1913. EUGENE

- EMMA WATERMAN, EUGENE  
Instructor in Physical Education.
- CATHARINE WINSLOW, Ph. B., EUGENE  
Instructor in Physical Education.  
Ph. B. University of Chicago.  
Graduate Chicago Normal School of Physical Education.

## FACULTY OF THE SCHOOL OF MUSIC

- P. L. CAMPBELL, B. A., LL. D., President of the University of Oregon.  
JOHN J. LANDBURY, Mus. Doc., Dean School of Music; Professor of  
Pianoforte and Composition.  
Mus. B. Simpson College, 1900; Mus. Doc., 1909.  
Pupil of Max Bruch, Berlin; Edgar Stillman-Kelly, Berlin;  
Leo Schrottenholz and Otto Fleischer, Berlin.  
Graduate Student, University of Berlin.
- \*JOHN STARK EVANS, A. B., Professor of Pianoforte and Organ.  
Pupil of Rudolf Gatz, New York; Reuben Goldmark, New York.
- JANE THACHER, Professor of Pianoforte.  
Pupil of Leschetizky, Vienna; Karl Pflieger, Vienna.
- GEORGE PAYNTER HOPKINS, Assistant Professor of Pianoforte.  
Pupil of Harold Randolph, Baltimore; Moritz Moszkowski,  
Paris.
- LELAND A. COON, A. B., Assistant Professor of Pianoforte and Organ;  
Director Girls' Glee Club.  
A. B. Alfred University, 1914; Graduate Student, 1914.  
Graduate New England Conservatory of Music, 1914.  
Pupil of Henry B. Vincent; Conradi; Alfred DeVoto; Louis  
Elson; Samuel Cole.

\*On leave of absence.

ALBERT LUKKEN, B. S., Professor of Singing; Director Men's Glee Club.

B. S. Fremont College, 1911.

Graduate American Conservatory of Music, Chicago, 1913.

Graduate Student, American Conservatory of Music, Chicago, 1915.

Pupil of F. W. Root; Charles W. Clark; David Bispham; Karlton Hackett.

MARTHA E. FINDAHL, Professor of Singing.

Pupil of Karlton Hackett, American Cons. of Music, Chicago.

REX UNDERWOOD, Professor of Violin; Director University Orchestra.

Pupil of Joseph Olheizer, Chicago Musical College; Hans Becker, Leipzig; Michael Press, Berlin; Ostrovsky, London.

Student at Bavarian Conservatory of Music, Wurzburg.

ANNA LANDBURY BECK, A. B., Professor of Public School Music.

A. B. University of Oregon, 1919.

Student University of California, Simpson College, Colorado Normal College.

INA M. WATRINS, Instructor in Pianoforte.

Columbia School of Music, Chicago.

Pupil Mary Goodbar Morgan, Mary Frances Frothingham, Carl Laehmund.

AURORA POTTER, Instructor in Pianoforte.

\*ELEANOR LEE, A. B., Assistant Professor of Singing.

A. B. Pomona College, California.

Pupil of Oscar Seagle, New York.

† ROSS HICKERNELL, F.C.M., A.C.M., Professor of Band Instruments.

Mus. B. Dana Musical Institute, Warren, Ohio.

Northwestern University.

Pupil of Bellstedt, Cincinnati.

\*On leave of absence.

† Resigned.

FRANK V. BADOLLET, Professor of Flute.  
Pupil of Otto Osterle, New York.  
Flutist in Cincinnati Symphony Orchestra.  
Pittsburg Symphony Orchestra.  
Minneapolis Symphony Orchestra.  
Philadelphia Symphony Orchestra.

## LIBRARY STAFF

M. H. DOUGLASS, M. A.,	Librarian.
BEATRICE J. BARKER, Ph. B.,	Head Cataloguer
CORABEL BIEN,	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
ELLEN M. PENNELL	Assistant
DORA FRANCIS	Assistant
EMMA STEPHENSON, B. A.,	Assistant

## COMMITTEES OF THE FACULTY

ADVISORY COUNCIL—President Campbell, Deans Sheldon, Allen, Morton. Professors Gilbert, Barnett and Bovard.

ABSENCES—Deans Straub and Fox.

ADMINISTRATION OF HONORS—Professors Howe, Barnett and Dymont.

ADMISSIONS—Professors McAlister, Dunn, Gregory, DeBusk and Mr. Spencer.

- APPOINTMENTS—Professors Sheldon, Bates, Dunn, DeCou, Schmidt, Boynton, Morton, Cloran and R. C. Clark.
- ATHLETICS—Professors Howe, Hayward and Morton.
- BENNETT PRIZE—Professors Barnett, Allen and Prescott.
- CATALOG—Professors Boynton, Thacher, and Mr. Spencer.
- CLASS ADVISERS—Deans Straub, Fox and Morton, Professors Perkins, Crockatt, Dobie, Gilbert, and Jane Thacher.
- COLLOQUIUM—Professors R. C. Clark, Shinn, and Mr. Onthank.
- COMMENCEMENT AND ASSEMBLY—The President, Dean Straub, and Professors Gilbert, Dunn, Landsbury, Burgess and Warner.
- FREE INTELLECTUAL ACTIVITIES—Professors Prescott, Howe, Schroff, Wheeler, Bates, Watson and Larremore.
- GRADUATE COUNCIL—Deans Young and Sheldon, Professors Schmidt, Howe, Boynton, Smith and Conklin.
- GRADUATION—Professors Howe, Allen, Cummings, Cloran and McAlister.
- HEALTH—Dr. Sawyer, and Professors Bovard, Sweetser and Cummings. Advisory members, Deans Straub and Fox.
- INTRAMURAL SPORTS—Professors DeCou, Hayward, Cummings, Prescott, Larremore, Baird and Sawyer.
- KOYL CUP—Dean Straub, Professors Edmonds, Boynton, Huntington, Crockatt.
- LIBRARY—(Regents) Hon. R. S. Bean and the Librarian.
- MILITARY CREDITS—Professors Howe, Allen, Boynton.
- MILITARY TRAINING—Dean Allen, and Professors Thacher, Warner, Baird, Sawyer, Mr. Onthank and Mr. Spencer.
- PROBATION—Deans Straub, Fox, Young, Sheldon, Morton, Allen, Lawrence, Hope, Landsbury, Professor DeCou, Mr. Spencer, Mr. Onthank.

- RELIGIOUS AND MORAL ACTIVITIES—Mr. Douglass, and Professors DeCou, Fox, Sweetser, Cummings, Conklin and Lukken.
- RESEARCH—Professors Conklin, Milne, Smith, McAlister, Robbins.
- REVISION OF STUDENT COURSES—Professors Gilbert, Thorstenberg and Adams.
- RHODES SCHOLARSHIP—Professors Bates, Dunn, Sheldon, Larremore, Conklin.
- SCHEDULE—Professor Boynton, Mr. Spencer, Mr. Onthank.
- SPECIAL STUDENTS—Professors DeCou, R. C. Clark, Shinn, H. A. Clark, Watson.
- STUDENT ADVISORY—The President, Deans Straub, Fox and Morton, and Professor Robbins.
- STUDENT AFFAIRS—Deans Fox and Straub, Professors Perkins, Dunn, Milne.
- STUDENT LIVING—Professors Bovard, Morton, Perkins, DeBusk, Crockatt and Tingle. Advisory members, Deans Straub and Fox.
- UNIVERSITY PUBLICATIONS—Dean Allen and Professors Thacher, Young, Sweetser, Sheldon, Packard and Mr. Douglass.



# 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 the 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 instructions 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 Graduate School and the schools of Music, Education, Architecture, Commerce, Journalism and Sociology 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.

In the year 1904-05 the University adopted practically a free elective system of undergraduate study, attempting by the requirement of a major subject, to which not over a third of the required hours were to be given, to give a definite direction to the work of each student, and encourage the high and intense scholarship for which a University should stand.

Finally, the University has put itself in line with the most advanced educational practice by organizing its undergraduate work into the Lower and Upper Divisions. In the Lower Division, which comprises the work of the freshman and sophomore years, the aim is to have the student undertake such work as shall tend toward a broad general culture, together with a solid foundation for his more advanced work. This is attempted by a group system described in later pages of this catalog. In the Upper Division, comprising the work of junior and senior years, the student is required either to select a major subject, or to enroll in one of the Professional Schools of the University, for either of which he must have made the necessary preparation in the Lower Division. In the Professional Schools the course will be largely or wholly prescribed, while the major department may demand not more than half of the student's time for work in his special line, thus placing even more emphasis upon intense scholarship during the years when such specialization may be most profitably attempted.

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 regular organized classes on the campus, and further provide lectures for such communities as desire to avail themselves of the opportunity.

#### THE UNIVERSITY AND THE STATE

The aim of the University of Oregon in its relation to the educational system of the State is two-fold: First, to supplement the work of the high schools with a four years' university course; second, to encourage graduate study. As an organic part of the State's public school system, the University sustains a relation to the high schools similar to that sustained by the high schools to the grammar grades.

As those who have passed through the grammar grades may continue their studies in the high schools, so those who have completed the full high school course may advance to the opportunities offered by the University. In a word, the University (exclusive of the Graduate School) embraces the thirteenth, fourteenth, fifteenth and sixteenth grades of the public school system. It completes the work begun in the grammar schools and continued in the high schools.

While the University furnishes instruction in the various branches requisite for a liberal education, and in the technical branches of architecture, commerce, education, journalism, law, medicine and music, it also aims to encourage research work in its departments, and to offer to those who have completed college courses at the University or elsewhere an opportunity to do graduate work along general or special lines.

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

Thoroughly in sympathy with the modern tendency toward the socialization of public opinion, 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 system, 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 exceptionally good, and is carefully watched. 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 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, tornadoes, 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 fields. 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 houses the departments of Botany, Zoology, Physics, Germanic and 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 devoted to the use of the School of Architecture. Both Commerce Hall and Architecture Hall are two-story brick buildings.

THE WOMEN'S GYMNASIUM is a brick building fitted with suitable apparatus for the use of the women of the University. The first floor contains the main hall, a room 45x70 feet, in connection with which there is a covered open-air exercising floor, 46x85 feet, and the director's office. The basement is completely equipped 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 water, 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, was named for Miss Mary Spiller, the first woman member of the faculty. It is a two-story and basement building, and is used for the department of Household Arts, as well as for a residence hall for women.

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. Supplementing the gymnasium proper is the outdoor gymnasium, with a floor 120 by 87 feet, divided by movable partitions into three distinct gymnasium floors, each large enough for basket ball, hand ball, or indoor tennis. The facilities of the University for carrying out its policy of "athletics for everyone" have been greatly augmented by the construction of this gymnasium annex.

The University at present uses two athletic fields. The new field, recently laid out in a 35 acre tract south east of the main campus has a newly constructed gridiron of the highest type. This is surrounded by a grandstand and bleachers capable of seating 9,500 people. The old Kincaid field with its gridiron, tracks and grandstand, is still used for football practice, and for track meets. To the east of this field is a separate diamond with bleachers for baseball.

THE R. O. T. C. BUILDING, built originally as barracks for the S. A. T. U., has been remodelled and thoroughly equipped, for the offices and the instructional work of the department of Military Science. It is located near the main campus just west of the new athletic field, in the same large tract, the balance of which is used as a drill field.

JOHNSON HALL, erected in 1915, and named after the first president of the University, 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 the College of Liberal Arts and the Dean of Women also have offices on this floor. The department of Mathematics, Public Speaking and Geology occupy the basement.

OREGON 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.

HENDRICKS HALL, the women's hall of residence, erected in 1917, accommodates one hundred and nineteen girls. It is a three-story fireproof brick building, of Colonial type. The rooms are arranged in suites, with a sleeping porch for each suite. It is intended primarily as a Freshman residence hall.

THE Y. M. C. A. "HUT" was built during the brief existence of the Students' Army Training Corps in 1918. It provides a convenient and commodious meeting place for the men, with a recreation room, auditorium and appropriate offices.

THE "BUNGALOW," situated just off the Campus, is the headquarters of the Y. W. C. A. It is well suited to the work of the efficient organization which it houses.

THE WOMAN'S BUILDING, which is under construction, will probably be ready for use during the fall term of 1920-21. The building provides ample and modern facilities for the Department of Physical Education for Women, and it furnishes headquarters for all Women's organizations and activities. Space for large University gatherings—both social and academic—will be secured by throwing several rooms into one.

THE UNIVERSITY INFIRMARY is on University street, near the School of Music, and easily accessible for all students. The building has a normal capacity of twelve beds. On the lower floor there is a ward-room and dispensary, while upstairs there are several small private rooms for special patients.

## THE UNIVERSITY LIBRARY

## STAFF

M. H. DOUGLASS, M. A.,	Librarian
BEATRICE J. BARKER, Ph. B.,	Head Cataloguer
CORABEL BIEN, B. A.,	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. OLSEN, B. A.,	Order Clerk
DORA FRANCIS	Assistant
MRS. ELLEN M. PENNELL	Assistant
EMMA STEPHENSON, B. A.,	Assistant

The University Library is a well-selected and rapidly growing collection of books now numbering nearly 94,000 volumes, five-sixths of which have been added during the last twelve years. The regular annual appropriation for books and periodicals and for binding is \$10,000. 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, and in 1919 a special appropriation of \$2500 was made for law books.

The Library is supplied with the best general and special reference books; with 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. Over 700 periodicals are currently received, besides many of the daily and weekly newspapers of the state. Bound files of about 90 Oregon newspapers are on hand.

The Library is a depository for the public documents published by the United States Government and also for Oregon State Documents.

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.

The Library is open each week day from 7:45 A. M. to 10 P. M. On Sunday it is open from 2 to 6 P. M. Books, other than reference books and those especially reserved for use in the Library, may be drawn for a period of one month, and at the expiration of that time renewed if there is no other demand for them. All persons connected with the University have the privilege of drawing books, and the use of the Library for reference purposes is extended to the general public as well. Books that can be spared from the University are also loaned for a month at a time to other libraries, to superintendents and principals of Oregon schools, and to individual citizens of the state. During the year 1919 848 packages, containing 2731 items, were sent by mail to out-of-town patrons.

The Library prepares, from time to time, for the special benefit of out-of-town patrons lists of books which it has on special subjects. Lists on the following subjects are now available for distribution:

Chemistry	Health Insurance
Child Study	High School Libraries
Church Federation	Home Economics
Cost Accounting	Industrial Efficiency
Dramatic Literature	Music
European War	"Out-of-Door" Books
Factory Management	Pageants
Folk Dancing	Physical Geography
Forestry	Religion
Foreign Missions	Subjects for Debate
The Gifted Child	

Other lists will be prepared upon request.

## THE UNIVERSITY MUSEUMS

The University museums are three in number, as follows:

### THE CONDON GEOLOGICAL MUSEUM

The geological collections occupy quarters in Johnson Hall and constitute the Condon Geological Museum. For a more complete statement about the Museum and description of the collections, see Bulletin No. 3, Vol. 1 (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) 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.

(8) A representative conchological collection.

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  $2\frac{1}{2}$  miles west of Oregon City. Its dimensions are: extreme length, 10 feet  $3\frac{1}{2}$  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 MUSEUM

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; (4) the Edmund P. Sheldon collection, and that of Kirk Whitead, both recently acquired by donation. These collections are being constantly added to by gifts and exchange. All specimens not already classified are being classified and arranged in cases as rapidly as possible.

#### ZOOLOGICAL MUSEUM

The Zoological Museum is located on the third floor of Deady Hall. It contains a series of mounted and unmounted birds and mammals, to illustrate different groups; a collection of Oregon reptiles, made by Mr. J. R. Wetherbee; a series of fish, mostly salmonidae from the Columbia River, donated by the United States Government; a collection of food fishes of the Oregon Coast, made by Mr. J. B. Bretherton, of Newport, Oregon, and presented to the University. It has also just received a collection of birds and mammals, made and presented by Dr. A. G. Prill, of Seio, Oregon.

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

## THE UNIVERSITY LABORATORIES

### 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, Mr. Kirk Whitead and Mr. Sheldon are available for students of systematic botany. Facilities are provided for the study and 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 and electrically wired work tables and lockers combined, its autoclave, steam and hot-air sterilizers, incubators, hot water heater and compound microscopes with oil-immersion lenses.

### CHEMISTRY

The chemical laboratories are located in McClure Hall. The first floor and portions of the basement and second floor are devoted to chemistry. The chemical laboratories will accommodate somewhat over 250 students.

The equipment of this department is modern and the attempt is made to keep the store room well supplied with apparatus and chemicals to meet all requirements of the usual courses as well as to provide facilities for original investigation. A few reference books and periodicals are kept in the departmental 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.

## 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.
- (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.
- (6) A set of Colored Plaster 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, thin sections, and the Krantz collection of rocks.

**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 geological ages, as well as collections representing the faunas of neighboring states.

**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.

## HOUSEHOLD ARTS

The Household Arts laboratories are located in temporary quarters in the lower part of Mary Spiller Hall. With the opening of

the new Woman's Building much needed additional accommodation is expected. At present, on the first floor, is a food and dietetics laboratory and demonstration room, for sixteen students, with a communicating kitchen, laboratory for twelve students. The equipment includes the usual individual outfit for food preparation in family quantities, with gas stoves, sinks, balances, supply cupboards, tables, etc. The rooms are light and airy and attractively finished with white woodwork and pale buff walls.

A "family size" dining room is arranged for practice meals; a class room is also available for the service of larger groups, on occasion. A dressing room with lockers is provided on this floor.

In the basement are located (a) the sewing room, equipped for eighteen students, with sewing machines, cutting and sewing tables, lockers, wardrobes, etc.; and (b) the laboratory for the use of classes in housewifery, with laundry tubs, sinks, stoves, electric irons, and appliances for the cleaning and renovation of garments and household equipment.

A "practice house" has been authorized, and should be ready by the opening of the Fall term for occupation by household arts students under a resident teacher.

## PHYSICS

The rooms occupied by the Department of Physics are located on the first and second floors of Deady Hall. The lecture room and laboratories for elementary and general work on the second floor are provided with the standard equipment necessary for effective teaching. A rather unique feature is a large dark room equipped especially for instruction in photography. On the first floor are rooms devoted to advanced work, particularly in electricity, and to research. The equipment for electrical work is unusually complete. The department has been able to provide some equipment especially for advanced work and research. Among these may be mentioned a Michelson interferometer, a Krans mercury jet pump for high vacua, and an equipment for research in the thermo-electric properties of pure metals and alloys.

In recent years experimental researches have been carried out by members of the staff and students of the department on the follow-



ing topics: The Resistances of Electric Sparks, Cadmium Standard Cells (unpublished), and a series of papers on the Thermo-electric properties of Bismuth and Bismuth-Tin Alloys. In addition there have already been published by members of the department, or are ready for publication, standard texts and theoretical research articles on topics in Thermodynamics, and Kinetic Theory of Gases, and the Correlation of the Electrical and Thermal Properties of Metals.

### PSYCHOLOGY

The psychological laboratory in McClure hall, is fortunate in the possession of a suite of small rooms so that delicate laboratory work and mental testing can be done with proper isolation. All of these rooms, nine in number, are connected by an intercommunicating system of wires and speaking tubes, and all are supplied with gas, compressed air and power circuits. The equipment of apparatus is ample for undergraduate purposes and for a certain amount of research.

Original investigations are always in progress in this laboratory. Recently most unique work has been done on the learning processes of the blind, which is now being checked by similar work on sighted youths. The development of several tests for the determination of individual mental differences among college students is also in progress and work is constantly done on the more obscure motivations of conduct.

In these researches all students are frequently privileged to participate. Advanced and graduate students are permitted to work independently upon phases of the problems studied, and for their needs the best of facilities are available.

### PUBLIC SPEAKING

The section of this department concerned with the acted drama is the best equipped of any university in the west. Guild Hall in the Administration Building is an ideal small theatre, and there the students not only act, but study all branches of stage craft, such as costuming and scene designing, lighting, stage decoration and house

management. Here the future actor and playwright have full opportunity to prepare for their life work; and the high school teacher, called upon to coach amateur drama, finds in the courses of play-producing the laboratory work to insure future success.

### ZOOLOGY

The laboratories of the department occupy the third floor of Deady Hall. The department has a fair equipment of all the ordinary apparatus for work in the several courses offered. The policy is to keep on hand all materials, glassware and chemicals necessary for regular class work and to furnish such special materials for advanced courses and research as the occasion may demand. The laboratory has furnished the opportunities for several pieces of research, some of which have been published by the students or members of the department, and others in preparation for publication.

## ADMISSION TO THE UNIVERSITY

## ADMISSION TO THE FRESHMAN CLASS

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

The State high school course is the basis of the requirements for entrance to the University, and the adoption of the State course at once simplifies the passage of students from high schools into the University. Only graduates of high schools which have 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.

Students are admitted to the freshman class on the completion of a four-year high school course or its equivalent, requiring not less than 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 one (with the exception of bona fide special students) will be admitted who does not have the full fifteen units.

Certificates from accredited high schools, or academies, or preparatory departments of colleges in the State of Oregon, will be accepted in lieu of entrance examinations.

Certificates from a high school or other secondary school in another state may be accepted in favor of the recommended graduate thereof, provided such school has been examined and accredited by some college or university at which the entrance requirements are equivalent to those of the University of Oregon.

## REQUIRED SUBJECTS

English .....	3 units
Algebra .....	1 unit
Plane Geometry .....	1 unit
One Foreign Language .....	2 units
History .....	1 unit
Science .....	1 unit
	9 units

## ELECTIVE SUBJECTS

The remainder of the fifteen units may be selected from any subjects for which standard high schools give credit toward graduation, and may include additional work in the required subjects. All students are urged to present four units of English. Not more than four units in vocational subjects, one in music or one in military training may be offered for admission. Physical training is not accepted as an entrance credit.

Students may present eight units in high school commerce for admission to the University School of Commerce only.

The science requirement may be satisfied with a full year's work in any of the following: Physics, Chemistry, Botany, Zoology, Biology, or General Science, provided it includes a substantial amount of competently supervised laboratory work.

Students are urged to present two units of foreign language, but if they are unable to do so they will be permitted to enter conditionally and to substitute for the foreign language the same number of units of other work. However, students entering without any foreign language shall be required to take in the University fifteen term hours of foreign language in addition to the present requirements, and those offering only one year, nine term hours additional.

Students looking forward to major work in mathematics, physics or architecture should present the following additional subjects:

Solid Geometry .....	$\frac{3}{4}$ unit
Intermediate Algebra .....	$\frac{1}{2}$ unit

Students planning to take the course in commerce should present the following additional subject:

Intermediate Algebra .....	$\frac{1}{2}$ unit
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## STANDARD OREGON HIGH SCHOOLS BY COUNTIES

The following is the list of schools standardized for 1919-20:

- Baker—Baker, Haines, Halfway, Huntington, Muddy Creek (Haines postoffice), Richland, Sumpter.
- Benton—Alpine, Alsea, Corvallis, Bellfountain (Monroe postoffice), Kings Valley, Monroe, Philomath, Mountain View.
- Clackamas—Canby, Colton, Estacada, Milwaukie, Molalla, Oregon City, Sandy, West Linn.
- Clatsop—Astoria, Knappa, Seaside, Warrenton.
- Columbia—Clatskanie, Rainier, Seappoose, St. Helens, Vernonia.
- Coos—Bandon, Coos River (Marshfield postoffice), Coquille, Lakeside, Marshfield, Myrtle Point, North Bend, Powers.
- Crook—Prineville.
- Curry—Brookings, Gold Beach.
- Deschutes—Bend, Redmond.
- Douglas—Camas Valley, Canyonville, Drain, Elkton, Gardiner, Glendale, Glide, Looking Glass, Myrtle Creek, Oakland, Riddle, Roseburg, Sutherlin, Wilbur, Yonecalla.
- Gilliam—Arlington, Condon.
- Grant—Canyon City, John Day, Long Creek, Monument, Mt. Vernon, Prairie City.
- Harney—Burns.
- Hood River—Hood River, Odell (Hood River, R. 3), Parkdale.
- Jackson—Applegate, Ashland, Butte Falls, Central Point, Gold Hill, Jacksonville, Medford, Phoenix, Rogue River, Talent.
- Jefferson—Culver, Madras, Metolius.
- Josephine—Grants Pass, Hugo, Kerby, Merlin.
- Klamath—Bonanza, Fort Klamath, Klamath Falls, Merrill.
- Lake—Lakeview, Silver Lake.
- Lane—Coburg, Cottage Grove, Creswell, Crow, Dorena, Elmira, Eugene, Florence, Junction City, Lorane, Mapleton, Marcola, Pleasant Hill, Santa Clara (Eugene postoffice), Springfield, Thurston (Springfield, R. 2), Walker, Walterville.
- Lincoln—Newport, Siletz, Toledo, Waldport.
- Linn—Albany, Brownsville, Crabtree, Halsey, Harrisburg, Lebanon, Mill City, Seio, Shedd, Sweet Home, Tangent.
- Malheur—Nyssa, Ontario, Vale.

- Marion—Aumsville, Aurora, Hubbard, Jefferson, Salem, Scotts Mills, Silverton, Stayton, Turner, Woodburn.
- Morrow—Boardman, Hardman, Heppner, Ione, Irrigon, Lexington.
- Multnomah—Corbett, Gresham, Parkrose, Portland.
- Polk—Airlie, Ballston, Bethel, Buena Vista, Dallas, Elkins, Falls City, Independence, Monmouth, Perrydale, Rickreall.
- Sherman—Grass Valley, Kent, Moro, Wasco.
- Tillamook—Bay City, Cloverdale, Nehalem, Tillamook.
- Umatilla—Athena, Echo, Ferndale (Freewater postoffice), Helix, Hermiston, Milton-Freewater, Pendleton, Pilot Rock, Stanfield, Umapine, Weston.
- Union—Alice, Cove, Elgin, Imbler, La Grande, North Powder, Union.
- Wallowa—Enterprise, Flora, Joseph, Lostine, Wallowa.
- Wasco—Antelope, Dufur, Maupin, Mosier, Shaniko, The Dalles.
- Washington—Banks, Beaverton, Forest Grove, Gaston, Hillsboro, Tualatin.
- Wheeler—Fossil.
- Yamhill—Amity, Carlton, Dayton, Dundee, McMinnville, Newberg, Sheridan, Willamina, Yamhill.

## PRIVATE SCHOOLS

- Astoria—St. Mary's Academy.
- 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. Helens Hall, St. Mary's Academy, Immaculata Academy, Y. M. C. A. Preparatory School.
- Salem—Sacred Heart Academy.

### 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.

### EXCESS MATRICULATION CREDIT

Students who bring from accredited 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 186 term 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 is promoted to the upper division.

### 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 years of prescribed premedical work in the College of Literature, Science and the Arts.

### REQUIREMENTS FOR ADMISSION TO SPECIAL STUDENT STANDING

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

Special students shall be of two classes, as follows:

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

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

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

Students who have met all the requirements for entrance to the freshman year, and are candidates for a degree, shall be considered regular students, even 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.

### ADMISSION TO SUMMER SCHOOL AND TO EXTENSION COURSES

Students qualified to carry the work may enter Summer School or take up extension courses without submitting entrance credentials, but in order to become a candidate for a degree all entrance requirements must be fulfilled.

## ADMISSION TO THE GRADUATE SCHOOL

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.

A student intending to become a candidate for a higher degree shall file with the Registrar of the University his application for admission as a graduate student, and his credentials consisting of his diploma, a copy of the catalogue of the institution from which he graduated, and a transcript of scholarship record as an undergraduate and for graduate work completed, if any, in other institutions. A student who is qualified for admission to the graduate school will be given a certificate to that effect by the Dean, which will entitle him to register in the courses chosen by him.

## GENERAL REGULATIONS

## TIME AND PROCEDURE OF REGISTRATION

A person intending to enter the University should present his credentials to the Registrar in person or by mail as early as possible before registration day, and receive from the Registrar a certificate of admission.

The first two days of the Fall term, the first day of the Winter term and the first day of the Spring term shall be set aside as registration days. The first registration day of the Fall term shall be devoted to the registration of Upper Division students. The second registration day of the Fall term shall be devoted to the registration of Lower Division students.

A student may pay his incidental fee of \$8.50 to the Comptroller, receiving a receipt therefor, at any time on or before registration day.

Each student upon entering the University shall choose a major department or school. The head of each department or school acts as adviser to the students majoring therein, or he may appoint another faculty member to act in his stead. The major departments and schools are as follows: Architecture and Allied Arts, Botany, Chemistry, Commerce, Economics and Sociology, Education, English

Literature, Geology, Germanic Languages, Greek, History, Journalism, Latin, Law, Mathematics, Mechanics and Astronomy, Music, Hygiene and Physical Education for Women, Philosophy and Ethics, Physics, Political Science, Psychology, Public Speaking, Rhetoric and American Literature, Romance Languages, Zoology.

The student having qualified as a student of the University shall go at any time on or before registration day, to his adviser who shall fill out a study card; that is, a card bearing a list of the courses the student purposes to pursue. The adviser shall not enter any course upon the study card unless the student has satisfied all the requirements for admission to the course, including a personal consultation where such is required.

The student shall then present his study card to the instructors of the courses listed thereon and obtain the signature of each. Each instructor shall indicate in the proper blank any laboratory or other fee attendant upon the course or courses he is to teach. Women students shall obtain the signature of the Dean of Women before filing their cards with the Registrar. Freshmen and Sophomore men shall obtain the signature of the professor of military science and tactics.

The student shall return to his adviser and fill out a duplicate study card for the major professor's files. The adviser shall verify the correctness of the study card and the duplicate, and sign the study card as evidence of such verification.

The student shall take his study card to the Register, who shall accept it for filing upon presentation of the student's incidental fee receipt. All study cards must be filed not later than two days after registration day.

All fees other than the incidental fee shall be paid at the Comptroller's office within fourteen days after the student's registration. Failure to pay all fees within thirty-five days from the student's registration will automatically cancel the student's registration in the University without refund of incidental or other fees.

Failure on the part of any student to comply with the above regulations shall entail the payment of a late registration fee of \$1.00 for each provision not complied with. Also any student not filing his study card within three days of its receipt from his adviser shall pay a late filing fee of \$.50 for each day's delay.

## DIVISIONS

The work of the University is classified in three Divisions, called Lower, Upper and Graduate. The Lower Division comprises the freshman and sophomore years. The Upper Division comprises the junior and senior years. The Graduate Division, extending beyond these years, includes the work of the Graduate School.

## LOWER DIVISION

The term Lower Division is used to designate the work of the freshman and sophomore years. In the Lower Division there are certain specific requirements. Six term hours shall be made in Physical Training, by both men and women, unless the student has been exempted. Men shall also earn six term hours in Military Training unless properly exempted. All freshmen must complete the prescribed course in English Composition unless exempted by examination. Freshman women must attend the prescribed course in Practical Ethics through the year, for which one term hour of credit is given. Women students shall earn three term hours in Personal Hygiene during the freshman year unless specifically exempted.

Each student shall complete in the Lower Division at least one three-hour year course (nine term hours) in any three of the following four groups:

- I. a. English (not including prescribed English Composition), English Literature, American Literature.
- b. Languages: Ancient; Latin, Greek. Modern; Romance, Germanic.
- II. Social Science, including History, Economics, Political Science, Philosophy, Education.
- III. a. Mathematics.
- b. Science, including Botany, Chemistry, Geology, Physics, Psychology, Zoology. Each of these sciences shall include not less than one credit hour a week of laboratory time.
- IV. a. Public Speaking, Art and Drawing, Household Arts, each including not less than one credit hour a week of laboratory or practice time.
- b. Music.

Any irregularities in meeting entrance requirements must be attended to and corrected, and any examinations for college credit for work done before entrance must be taken while in the Lower Division.

In general, the selection of courses taken during the Lower Division should be such as *first* to satisfy all specific University requirements, as described above, *second* to further the student's general educational plans, including prerequisites for courses to be taken later, some start on the major subject itself, and give attention to any specific requirement for the particular degree required.

Change of major during the Lower Division may be made at the beginning of any academic year, but that change must be attested to the Registrar's office by a form card properly signed. Change of major at any other time may be made only upon the granting of a petition.

## UPPER DIVISION

In the Upper Division the student must satisfy the requirements of a Major Department or pursue the prescribed course of a Professional School. The head of the Department or Dean of the School acts as adviser, or may assign the student to another adviser. Major requirements are described under the announcements of the College of Literature, Science and the prescribed courses of each school under the announcements of that school. Change of School or of Major subject in the Upper Division may be made only on the granting of a petition.

## AMOUNT OF WORK

The regular maximum number of hours, in addition to prescribed physical and military training, for students in the first three years, is sixteen; minimum, thirteen; for students in the senior class, maximum, eighteen; minimum, twelve. A smaller number of hours may be advised and permitted, on petition, in case of limited physical strength or large amount of outside work.

But students may have seventeen hours placed on their card, with the proviso that not more than sixteen hours of credit shall be granted unless they maintain an average grade of "III," with no

conditions; and those making grades of "I" and "II" in two-thirds of the number of hours carried any term, with no grades below "IV," may register for eighteen hours the next term, the excess credits being forfeited in case of failure to maintain the same standard.

Except when permitted to register for a smaller number of hours, all students must make passing grades in at least nine hours each term. Students failing to make the required number of hours in any term, are placed upon probation for the next term in which they are registered in the University, unless a year or more has intervened. If, at the end of the second term, the student has not completed satisfactorily seventeen hours for the two terms involved, he is dropped from the University. Students failing to make the required number of hours in the spring term, are subject to the same regulations for probationed students, unless, before registering again for work in the regular academic year, they shall have completed, in summer school, by correspondence, or otherwise, sufficient university credits to total, when added to those earned in the term mentioned, at least fourteen term hours.

#### ATTENDANCE

Students whose attendance at class is not satisfactory to the instructors are reported and placed on probation.

#### CHANGE OF ENROLLMENT

Changes of enrollment may be made within five school days of the date of registration, with the consent of the adviser alone. After that date such change can be made only on petition granted by the Committee on Revision of Student Courses, and the payment of a fee of one dollar. After November 1, February 1 and May 1, of the respective terms, the committee will not consider such petitions.

Students may withdraw from courses with the consent of their advisers and the instructors involved, up to November 1, February 1, and May 1, of the respective terms; but if this leaves less than the regular minimum number of hours prescribed, it requires the approval of the committee on revision of students' courses. After these dates, and until December 1, March 1, and May 24, respectively, withdrawals

are permitted only on petition, and with the specific recommendation of the adviser. After these latter dates, no withdrawals are permitted.

A student may be dismissed from a course at any time by the instructor in charge, after consultation with the adviser of the student involved. Such dismissal is considered a failure, and is indicated in the report by the grade "F."

#### SCHEDULE OF MARKS

The grading system used by the University, groups students in six classes:

- I. Unusual excellence.
- II. High Quality. Classes I and II together constitute approximately the highest fourth.
- III. Satisfactory. Approximately the second quarter.
- IV. Fair. Approximately the third quarter.
- V. Passing.
- F. Failed.

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 term.

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.

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

### WITHDRAWAL FROM THE UNIVERSITY

Students withdrawing from the University shall fill out and file in the Registrar's office 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 December 1, March 1 and May 24 of the respective terms, except on petition and with the special recommendation of his adviser.

### REQUIREMENTS FOR GRADUATION

In order to graduate from the University a student shall have 186 term hours to his credit. By term hour is meant the work covered by one recitation of not less than fifty minutes per week for one term, or its equivalent. At least forty-five term hours shall have been earned in residence at the University of Oregon, covering a residence period of at least nine months, except that persons actively engaged in the teaching profession may fulfill the residence requirements by resident work at three summer sessions at Eugene, or their equivalent in the Portland Extension Division. The remainder of the required number of hours may be made through the Extension Division, by correspondence, or otherwise to the amount of sixty term hours and no more. The forty-five term hours immediately preceding graduation shall have been earned at the University of Oregon.

The student's program of studies must have included all the requirements of the Lower Division, and of the College or School in which the degree is sought. These requirements include English Composition, Physical Training, Military Training (for men), the Group requirement, and the completion of a Major in the College of Literature Science and the Arts, or a prescribed professional course in one of the schools. Detailed statement of the requirements for the degrees of Bachelor of Arts and Bachelor of Science are given under the announcements of the College of Literature, Science and the Arts. Students graduating from other schools receiving these degrees must meet the requirements of language, science or social science there given. The requirements for special degrees granted for work in the various professional schools are given under the announcements of those schools.

Medical students who have completed three years of work in the College of Literature, Science and the Arts may elect for their senior year the first year of the Medical School, and on its completion, with the approval of the Medical Faculty, receive their first degree.

### 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 term hour of their credits ranking below "II" they shall have three term hours which rank above "II," 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 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 term; juniors upon registration in any term. Honor courses shall be listed on the regular registration card. Candidates for honors shall have been registered for such honors during at least three terms previous to the honor examination.

Each term the Registrar publishes a list of all who are candidates for honors.

(Detailed information may be secured from the Major Professor.)



## 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 OREGON LEAFLET SERIES is issued at regular intervals. It contains announcements and information of value to students taking work in the extension and correspondence department.

OREGON EXCHANGES is a monthly publication published by the School of Journalism. It is made up of articles and news items of interest to the newspapermen of the state.

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 OF OREGON PUBLICATIONS is a series of scholarly contributions from the various departments of the University.

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 through the public press 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

and a business manager, with a large corps of volunteer assistants. The editor and the manager are elected in May of each year, serving a one-year term. The assistants are appointed by the editor and the manager.

"OLD OREGON" is the name of a publication issued in the interests of the Alumni. It contains news of the graduates and of the University, and is purposed to perpetuate, after graduation, the relationships existing between the students and their Alma Mater.

THE OREGANA is published annually by the Associated Students. It is a book of 400 pages, and from 700 to 1000 copies are issued. Its object is to present the life of the University from the student viewpoint, and to that end it includes stories of University life, cuts of buildings and grounds, drawings, campus scenes, class records, etc.

## ORGANIZATIONS

THE ASSOCIATED STUDENTS exercise general control over all student affairs within the University. The general management of its affairs is entrusted to an executive committee, consisting of a president, vice-president, secretary, and two members at large. Officers are elected on the second Thursday 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 alumnae members take an active part in the work of the society, a fact which adds greatly to the strength and value of the organization.

## 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 GIRLS' GLEE CLUB consists of 24 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 OREGON MUSICAL COUNCIL comprising those who have played for one year in glee clubs and orchestras was organized for the promotion of musical activities, and the furtherance of artistic development in the University.

THE REGIMENTAL BAND is also filled by competitive tryouts. The band furnishes music for games, rallies and student affairs of many kinds.

THE UNIVERSITY ORCHESTRA practices throughout the year. An annual concert is given, and the orchestra has a prominent part

in the commencement music. Concerts are given in other cities. Those playing throughout the year are allowed on term hour of credit.

THE CHORAL SOCIETY is composed of singers of the city and University. Concerts are given each year in which the standard choral works are presented in conjunction with the University Orchestra and soloists.

## HONOR AND DEPARTMENTAL

THE UNIVERSITY HONOR SOCIETY, founded by faculty members of Phi Beta Kappa, annually elects to its membership a limited number from among the highest ranking students in the Junior and Senior classes. The purpose of the organization is to recognize and promote scholarship in the University.

THE UNIVERSITY SCIENCE CLUB was organized in 1914 by faculty members of the science departments. Monthly meetings are held at which research problems or topics of general scientific interest are presented. Science students are eligible to membership and are invited to participate in the discussions. A limited number of advanced students are annually elected to honor membership of this organization.

THE SOCIAL SCIENCE CLUB was founded in 1919 by the members of the faculty in the departments in the Social Science group. It meets monthly for the presentation of papers by its members.

GEOLOGICAL AND MINING SOCIETY OF AMERICAN UNIVERSITIES. THE UNIVERSITY OF OREGON SECTION was organized in December, 1919, by the upperclassmen of the Department of Geology as the Condon Club, in honor of Dr. Thomas Condon, pioneer geologist of the state, and former professor. This is a purely honorary society, the members being elected upon merit. Associate members are chosen yearly from students of other scientific departments and from underclassmen in the department of geology. The headquarters of the National Society, which is practically the only organization of its kind in the country, are at Stanford University.

CROSSROADS is a society to the membership of which both students and members of the faculty are eligible. Its purpose is the free interchange of opinion on topics of contemporary interest.

LE FOYER FRANCAIS, a club of Upper Division students in French, meets twice a month with the meetings conducted entirely in French. An open house is held each term, when a program is presented by the members.

EL CIRCULO CASTELLANA supplements the classes in Spanish with collateral work in Spanish literature and other readings and discussions with a view to familiarizing the members of the club with the customs and institutions of the countries in which Spanish is spoken.

THE ARCHITECTURAL CLUB has as its function the promotion of the interests of the students who expect to make architecture their life work.

THE STUDENTS' ART CLUB draws its membership from the faculty and majors in the Allied Arts departments of the School of Architecture.

#### NATIONAL PROFESSIONAL SOCIETIES

SIGMA DELTA CHI—A national journalistic society for students who intend to follow journalism as a life work. Students are eligible the second term of the sophomore year. Honorary memberships are conferred.

THETA SIGMA PHI—A national woman's journalistic society for women students in the University interested in journalism.

MU PHI EPSILON—A national society, the purpose of which is to promote and unify the musical interests of the women of the University.

MASK AND BUSKIN is the University chapter of the national "Associated University Players," an organization devoted to the production of good plays and the stimulation of dramatic interest on the campus.

TAU KAPPA ALPHA—A national forensic society for men. Students representing the University in any branch of intercollegiate forensics automatically become eligible to membership in this organization.

ZETA KAPPA PSI—A national woman's forensic society similar to Tau Kappa Alpha.

DELTA THETA PHI—A national law society. The membership of this society is composed of students majoring in the School of Law.

PHI DELTA PHI—A National law fraternity, the membership of which is elected from among fully registered students in the School of Law. Purpose: to promote scholarship and high professional standards of law.

SIGMA UPSILON—A national literary society for students interested in the production of literature. "Ye Tabard Inn" is the name of the local chapter.

PHI KAPPA DELTA—A national educational fraternity for men, open to mature students with a strong professional interest in education.

WOMEN'S EDUCATION CLUB—A woman's organization of the same type as Phi Kappa Delta.

ALPHA KAPPA PSI—A national commerce society of men 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 term of the sophomore year.

PHI THETA KAPPA—A national commerce fraternity for women students in the School of Commerce, similar to Alpha Kappa Psi.

SIGMA ALPHA—A pre-medical fraternity for students intending to enter the School of Medicine.

#### 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 meeting and helping new students, social affairs of a democratic nature, a free employment

bureau, the promotion of Bible study classes, religious meetings, various lectures, friendly visits, deputation trips, and many other forms of social service. Last year the association, through its employment bureau, aided working students to the extent of almost \$5,000.00.

The association is supported 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 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 the Y. M. C. A. "Hut" immediately upon arrival at the University.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION was organized in March, 1894. Its purpose is to crystallize 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 Thursday afternoon at 4 o'clock in the Bungalow. Officers are chosen the first week in March 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 Young Women's Christian Association has undertaken the work of an employment bureau, to secure employment for girls who wish to take that means of helping themselves through college. A canvass of Eugene is conducted each year and a list made of desirable places of this sort. Work can be found in pleasant homes, which will enable a young woman to make her own way fully or in part.

#### ORATORY AND DEBATE

##### THE NORTHWEST INTERCOLLEGIATE ORATORICAL ASSOCIATION

The Northwest Intercollegiate Oratorical Association is an organization to promote oratory; it includes the University of Washington, the University of Idaho, and the University of Oregon. An annual contest, in May, is held in turn at each of the institutions.

Set speeches of one thousand words are delivered. A prize of \$100 goes to the winner.

#### INTERCOLLEGIATE DEBATING LEAGUES

THE PACIFIC COAST DEBATING LEAGUE was organized in 1909, and consists of the University of Washington, Stanford University, and the University of Oregon. Its objective is better speech and the development of leadership among college men and women. Each institution has two teams which support opposite sides of the question. The Affirmative team remains at home and the Negative team goes abroad.

THE INTERNATIONAL DEBATING LEAGUE was organized in the Fall of 1919. The members of this league are the University of British Columbia, the University of Idaho, and the University of Oregon. This league, in addition to the usual objectives, seeks to establish a relationship with our Canadian cousins and also to promote a general education on International questions.

THE OREGON STATE TRIANGULAR DEBATING LEAGUE was organized in December of 1919. It consists of Reed College, Oregon Agricultural College, and the University.

THE OREGON-WASHINGTON DUAL WOMEN'S LEAGUE. For several years the University of Oregon and the University of Washington women have met in dual debate. Each school has an affirmative and a negative team of two each. The negative team travels.

#### INTRAMURAL LEAGUES

In 1917-18 the Men's fraternities organized on the campus of the University of Oregon a debating league. This league had small beginnings, but by the year 1919-20 included in its active membership every men's fraternity, dormitory and similar club organization. The work of this league is democratic in its organization, having a forensic council which is the sole executive, legislative, and judicial officer. University credit in debate may be given for work in this league. The special requirement for credit is that the teams do their work under an approved faculty coach or instructor.

The Inter-Sorority Debating League was organized in the year 1918-19. It likewise includes in its active membership all the

women's groups on the campus. This organization is similar to that of the men. Both of these organizations together are projecting into the consciousness of the student body the necessity for adequate speech training for personal and social efficiency; and are doing much through rivalry and through the efforts of the coaches to reach the objective of better citizenship.

#### 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 1919-20, eighty high schools were enrolled and were divided into 12 districts: Lower Columbia, Upper Columbia, West Side, Portland, 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 are brought to Eugene and hold a debate tournament for the championship of the state at the University of Oregon, at the time of the annual 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. The present officers are C. W. Boetticher, of Albany, president, and R. W. Prescott, 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

##### ATHLETIC COUNCIL

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.

##### THE WOMEN'S ATHLETIC ASSOCIATION

This organization is open to all women of the University. It exists to encourage an active interest in both the indoor and the outdoor sports, and to take charge of all athletic contests. Its activities include archery, baseball, basketball, hockey, tennis, swimming, and canoeing. It conducts individual and class contests, and awards both letters and trophies.

#### GENERAL ACTIVITIES

##### ALUMNI ASSOCIATION

The Alumni Association of the University of Oregon was organized in 1879. The membership consists of all the graduates of the University and ex-students who have attended two semesters. The ex-students shall be known as associate members. Graduates of training camps, Summer School students and others in attendance less than two semesters, may be admitted to the association as associate members, but cannot have the right to vote. 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. In addition to these elective officers, a secretary, Miss Charlie Fenton, with offices in the Administration building, takes care of the business of the association, and publishes "Old Oregon," the alumni magazine, promoting the interests of the alumni. The dues of the association are two dollars a year.

#### TEACHER'S 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. It is under the direction of the School of Education and occupies the full time of a paid secretary. 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.

#### BUREAU OF EDUCATIONAL RESEARCH

In order that a school superintendent or a high school principal may be able to measure the progress of his school, he must have a definite point of departure, a definite goal, and some unit of measure to determine how far he has moved from the point of departure towards that goal. The best known method, to date, to measure such progress is by a system of educational tests. It sets up a definite point of departure and indicates the units of progress made along the "educational highway."

In order that the various schools of the state may have a better chance to measure more definitely their educational progress, and that there may be a chance to compare one school with another in the same class and size, members of the faculty of the School of Education are securing the various Educational Tests, also Tests in Physical and Mental Measurements for testing both grade and

high school pupils. These tests will be furnished at cost to the various schools. Definite directions for giving the tests sent out from the University, and in some instances, especially in Physical and Mental Measurements, the tests may be conducted in person by the professor in charge at the University.

It is asked that the data be sent to the University where they will be compiled, comparisons and correlations will be made and published in bulletin form for the use of the various schools co-operating.

#### GENERAL ASSEMBLY

A general assembly of the University is held each Thursday at 11 a. m. Appropriate exercises are held and addresses are made by invited guests, or by the President or members of the faculty of the University.

#### STUDENT HEALTH

Under the general supervision of the Student Health Committee the University employs a full time University physician and maintains a dispensary and infirmary, including a ward for contagious diseases. The dispensary service is free to all persons connected with the University, and in case of actual sickness the infirmary provides free care and attention for students for a limited period. Beyond this period the charges are very moderate. The infirmary is also open to other members of the University community at a reasonable rate. The dispensary and infirmary service does not extend, however, to cases requiring the services of a specialist, or involving major operations, or chronic diseases.

The University physician also cooperates with the departments of Physical Education in the physical examinations which are required of each student when entering the University, and are used as the basis for advice as to special forms of exercise or the amount of work which should be undertaken by the student.

## SUPERVISION OF STUDENT LIFE.

A booklet of University rules and regulations is published for distribution at the time of fall registration.

The academic and social welfare of women students is under the supervision of the Dean of Women. At the time of registration all women report to her office in Johnson Hall, where a record of their Eugene residence and other needed information is filed. The welfare of the men students is similarly under the supervision of the Dean of the College of Literature, Science and Arts. A list of approved lodgings is issued by the University, and in the case of women students, permission to live in residences other than those listed is given only by the Dean of Women, and changes in residence are made only with her knowledge. Neighborhood meetings for the women living in lodgings are planned.

With a view to extending to as many of the student body as possible the benefits derived from the various forms of student body activity, and at the same time avoiding the evils resulting from a too excessive devotion to these activities, the students and Faculty have adopted a "point system" designed to regulate the amount of outside work, either in student body activities or in remunerative employment, which a student may undertake in addition to his regular University work. This is not intended to prevent any student from engaging in suitable activities, or doing what work may be necessary for self support, but to lessen the liability to disaster from undertaking more than can be successfully carried out, and to distribute more widely the honors and responsibilities of the University community.

## STUDENT EXPENSES

## FEES.

In the Schools and colleges at Eugene there is an incidental fee of \$17.50 per year, which together with the student body tax for the support of student enterprises is paid in installments at the beginning of each term. 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 term. Graduate students are not required to pay the student body tax, but pay the incidental fee in three installments. Members of the instructional staff registering for graduate work pay an incidental fee of \$12.50 per year. In the Law School there is an additional tuition fee of \$10.00 per term. For tuition and other fees in Medicine, Music, Summer School, and Extension courses, see the announcements of these schools.

Various laboratory, locker and other fees charged by the departments are listed in detail in the term schedules published at the beginning of each term. They usually range from \$1.00 to \$5.00 per term, according to the cost of materials consumed or other charges which have to be covered by them.

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

## GENERAL EXPENSES

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

Incidental fee .....	\$ 17.50	\$ 17.50	\$ 17.50
Student-body tax (1919-20).....	8.00	8.00	8.00
Board and room .....	240.00	270.00	350.00
Sundries .....	175.00	250.00	400.00
	<hr/>	<hr/>	<hr/>
	\$440.50	\$545.50	\$775.50

The expenses of one person for a year naturally vary according to the person and the circumstances. Board and room will usually run from \$30.00 per month in the dormitories and some of the student clubs, to \$35.00 or more. Students often rent rooms and do light housekeeping, thus reducing the cost of living considerably below the figures here given.

### 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, by means of which, aided by the natural advantages of location, a pleasant home life is secured.

The social life is cared for in the large, pleasant reading and reception room on the ground floor. The rooms are furnished throughout including curtains, wool mattresses and bed linen for the beds. Occupants supply their own blankets, pillows and towels. The building is steam-heated and an abundance of hot and cold water is on each floor, with adequate shower baths, lavatories, etc. There are about fifty rooms which furnish accommodations for eighty-five men. The double rooms or suites, easily accommodate three men and the small rooms accommodate two men. The dining room has seating capacity for one hundred.

In connection with Friendly Hall and served from the same kitchen is a cafeteria dining room which accommodates students, men and women, and faculty with cafeteria service, at the same price per week as the board is furnished the students living in the halls of residence.

The following table of expenses is in force this year. An effort will be made to keep the living expenses as low for the year 1920-21 as is consistent with the rising prices of food and service.

Room rent, including laundry for beds .....	\$1.00 per week
Board .....	6.00 per week

Room Deposit to cover damage, loss of equipment, renovation etc., fees returnable to students pro rata at end of year after deductions for necessary repairs and replacements.....\$10.

The term is divided into three periods of four weeks each. Board and rent are due in advance at the beginning of each four weeks period.

Applications for rooms should be addressed to the House Director, 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 applications as vacancies occur. When the prospective student is notified of the acceptance of his application, or when the assignment of the room is made, a room deposit of \$10.00 should be sent to Mr. L. H. Johnson, Comptroller.

### HENDRICKS HALL

Hendricks Hall, a hall of residence for women, was erected in 1917. It is a substantial, three-story brick building, of fire-proof construction and colonial in type. It contains a spacious living room, made charming with its tasteful selection of colonial furniture, a commodious dining room, kitchens that are equipped with every modern device, rooms for guests, and 28 suites for students, each arranged to accommodate four girls. Each suite includes a study, wardrobe, dressing room—supplied with hot and cold water—and sleeping balcony. In every respect, Hendricks Hall is comfortable and home-like, with many evidences of unusual care and taste in its appointments.

Each student suite is equipped with the following articles:

Living room: Couch, costumer, five chairs, book case, rug, study table and lamp.

Sleeping porch: Four beds, mattresses, pillows, pads, cotton blankets, sheets, pillow cases, spreads.

Dressing room: Four closets, four chiffoniers, four chairs, towels, bath towels, basin, hot and cold water, medicine chest.

It is suggested that students bring extra bedding or steamer rugs, and hot water bottles for use on sleeping porches in cold weather, napkin ring and bureau cover.

Reservations for rooms in Hendricks Hall must be made through the Dean of Women not later than September 15, for the fall term; December 15, for the winter term; and March 15, for the spring term.



## TERMS

(a) Board, \$5.75 per week, is payable in advance, by four week periods. No allowance is made for absences of less than one week when notice must be given in advance.

(b) Rent is one dollar per week.

(c) A charge of twenty five cents per week is made for furnishings, (sheets, pillow cases, towels, blankets and use of laundry and electric iron). Renewal of electric lights 30 cents.

(d) Room Deposit to cover damage, loss of equipment, renovation etc., fees returnable to students pro rata at end of year after deducting for necessary repairs and replacements. This room deposit of \$10.00 payable to Mr. L. H. Johnson, Comptroller, is required when reservation is granted.

(e) Guests are entertained at the following prices: Guest in student suit, 25 cents per night; guest room, 50 cents per night; dinner, 40 cents; luncheon, 35 cents; breakfast, 25 cents; Sunday tea 25 cents.

NOTE: These prices are in force now, but there is a possibility of an advance for 1920-21. It is the purpose of the University to furnish residence to its students at the lowest possible price, and any advance will be made as low as possible.

## RENTED RESIDENCES

The University has rented several houses near the Campus for women students. Each is under the direction of a head resident. Students living in these houses take their meals at one of the Halls.

The halls of residence are administered in such a manner, as to give the students the lowest possible price for living, with only a small margin at the end of each school year for replacement and repairs, thus students boarding at the halls of residence are enabled to live well at a lower price than can possibly be secured in private homes.

## ROOMS IN PRIVATE FAMILIES

The University publishes about September 15 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 \$1.00 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.

## FRATERNITIES

Supplementing the halls of residence on the campus are the houses of the various fraternities and sororities—twenty-three in number—each one constituting an invitational group of from twenty to forty-five men or women. Each unit maintains its own residence, its own organization, and, under the general supervision of the University, manages its own affairs. At each of the women's organizations there is a "house mother," whose appointment is endorsed by the Dean of Women, and who acts as chaperon, counsellor and supervisor.

## SELF-SUPPORT

Approximately seventy per cent of the men attending the University, and many of the women, 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 the 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 bureaus.

## STUDENT LOAN FUNDS

Through the generosity of Mr. William M. Ladd, of Portland, Mr. A. S. Roberts, of The Dalles, and the class of 1904, the University

Loan Fund was founded. Although for a number of years the total amount of the fund reached only a little over \$500.00, yet its benefits were large, and through it many students were enabled to complete their college course who otherwise could not have done so. At the beginning of 1909, Senator R. A. Booth, of Eugene, became interested, and through his efforts a number of others, among whom were Mr. Theodore B. Wilcox and Mr. J. C. Ainsworth, of Portland, Mr. John Kelly, of Eugene, Mr. W. B. Ayer, of Portland, classes of 1911 and 1913, the estate of the late D. P. Thompson, of Portland, Mrs. Ellen Condon McCornack and Mr. Ben Selling, of Portland, made substantial donations. The University now has the following funds, amounting to \$8,276.79:

THE GENERAL LOAN FUND, established by Mr. William M. Ladd, of Portland, Mr. A. S. Roberts, of The Dalles, the class of 1904, Mr. Theodore B. Wilcox of Portland, Mr. W. B. Ayer of Portland, the class of 1913 and other donors, amounts to \$1,590.44

THE AINSWORTH LOAN FUND of \$1000, established by Mr. J. C. Ainsworth of Portland, now amounts to \$1,422.19.

THE BOOTH LOAN FUND of \$1500, established by Senator R. A. Booth of Eugene, now amounts to \$1,619.64.

THE CLASS OF 1911 LOAN FUND, established by the class of 1911, now amounts to \$290.00

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 \$774.60.

THE KELLY LOAN FUND of \$100 established by Mr. John P. Kelly, of Eugene, now amounts to \$143.40.

THE ROBERTS LOAN FUND, established by Mr. A. S. Roberts of The Dalles, now amounts to \$722.61.

THE SELLING LOAN FUND of \$100, established by Mr. Ben Selling, of Portland, now amounts to \$138.57.

THE D. P. THOMPSON LOAN FUND of \$1000, established by the estate of the late D. P. Thompson of Portland, now amounts to \$1,575.34.

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 the College 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, and the Scholarship Loan Fund of the Eugene branch of the Association of Collegiate Alumnae.

#### AID FOR SERVICE MEN

The State of Oregon has what is known as the Soldiers', Sailors' and Marines' Educational Financial Aid Law. The effect of the law in brief is this: Every honorably discharged soldier, sailor or marine who served the United States during the war with Germany who desires to attend any school in the state above the eighth grade may receive from the state \$25.00 a month, not to exceed \$200 for any one year, for four years. This includes every service man (except those who served only in the Students' Army Training Corps) whether he served overseas or not, provided he was a citizen of Oregon when enlisted or inducted. It matters not that he may have been temporarily outside the state when he went into the service.

#### SOLDIERS' AND SAILORS' COMMISSION LOAN FUND

The Soldiers' and Sailors' Commission of the State of Oregon has a loan fund which is available to ex-service men who need assistance in completing their education. Application blanks may be obtained from the Registrar.

## 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 1919 the Failing prize was awarded to Joseph D. Boyd.

## THE BECKMAN PRIZE

The Beckman 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. Beckman of Jacksonville. It is awarded under the same conditions as the Failing prize, for the second best oration.

In 1919 the Beckman prize was awarded to George W. Baney.

## 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 \$20.00.

## THE KOYL CUP

The Koyl cup, presented by Mr. Charles W. Koyl of the class of 1911, for many years Secretary of the University Y. M. C. A., is awarded annually by a committee of the Faculty to that man of the junior class who is in their judgment the best all-around man.

## THE GERLINGER CUP

The Gerlinger cup, presented by Mrs. G. T. Gerlinger, Regent of the University, is awarded under conditions similar to those of the Koyl cup to the best all-around woman of the junior class.

## 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 \$15.00 for the best short story, and \$10.00 for the second-best short story, are given each year by Edison Marshall, 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 Portland Branch of Collegiate Alumnae offers to the young women of Oregon a scholarship of \$200.00 at the University of Oregon.

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

## THE MARY SPILLER SCHOLARSHIP

The Mary Spiller Scholarship is given by the State Association of the University of Oregon Alumnae, in memory of Miss Mary Spiller, the first women member of the faculty of the University. It consists in the payment of board and room rent at Hendricks 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 so to award it.

Applicants for this scholarship should send their applications, with any recommendation or information which they may wish to include, to the Corresponding Secretary of the Association, Mrs. Lawrence Harris, Salem, 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.

## THE RHODES SCHOLARSHIP

A Scholarship is of the value of 300 pounds a year, and is tenable for three years, subject to the continued approval of the College at Oxford of which the Scholar is a member.

A candidate to be eligible must:

(a) Be a citizen of the United States, with at least five years' domicile, and unmarried.

(b) By the 1st of October of the year for which he is elected have passed his nineteenth and not have passed his twenty-fifth birthday. (Candidates are eligible as for 1920 who were born after October 1, 1895, and before October 1, 1901; as for 1921 if born after October 1, 1896, and before October 1, 1902).

(c) By the first of October of the year for which he is elected (i. e., 1920 or 1921, as the case may be) have completed at least his Sophomore year at some recognized degree-granting university or college of the United States of America.

Candidates must in the first instance be selected by their own college or university which select their representatives on the basis

of the qualities which will be considered by the State Committee in making the final selection. These are:

1. Qualities of manhood, force of character, and leadership.
2. Literary and scholastic ability and attainments.
3. Physical vigor, as shown by interest in outdoor sports or in other ways.

Candidates from the University of Oregon are selected before the close of the college in the spring. Final selection of scholar from the state is made late in September.

Detailed information will be sent on application to the Registrar.

## MISCELLANEOUS SCHOLARSHIPS

The Board of Home Missions and Church Extension of the Methodist Episcopal Church offers war emergency scholarships to ex-service men and women. The Y. M. C. A. has certain scholarships available in the University, and there are other small scholarships and loan funds from miscellaneous sources which are available to University students.

## 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 Preparatory to Engineering.

## 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 SOCIOLOGY.

## SCHOOL OF EXTENSION 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 Registrar his credentials, 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.

## FEES

All graduate students, not members of the instructional staff, pay in three installments the University registration fee for each year in which they do resident work. Members of the instructional staff may register for graduate work on payment of a registration fee of \$12.50, also in three installments. The fees for graduate work done through correspondence include a fee of one dollar 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 term at the Comptroller's office, and filing a study card for the term at the Registrar's office, which has been 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. In case the graduate student selects a line of work for graduate study for which he has not as an undergraduate taken the requisite foundational course, it will be necessary for him first to take the prerequisite, or undergraduate courses, without graduate credit.

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 files each term a study card filled out by his major professor. The courses on it to carry credit toward 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.

Courses in the different departments and schools numbered from 100 to 199 inclusive, and primarily intended for students in the upper and graduate divisions, may be recognized by the Graduate Council as available for earning graduate credits, especially for fulfillment of requirements in the minors. Courses numbered 200 and up are distinctively graduate courses.

## 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 27 term hours, of which 18 term hours at least must be earned in Summer School courses, and the remainder of the residence requirements shall be fulfilled through study in libraries and laboratories under the direction of the head of the department in which the candidate is preparing his thesis.

(b) In order that the courses taken in Summer School and through correspondence-study may be acceptable for A. M. credits, they must be listed as courses for "graduates and advanced undergraduates," and must be sanctioned by the resident heads of the respective departments as graduate courses.

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

(2) Scholarship Requirements. The work to be counted toward an advanced degree must be divided between a major subject and a minor, the former receiving approximately 30 term hours and the latter 15. Nine of the 45 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 below "IV." At least one-third of the credits required for the degrees of Master of Arts or Master of Science shall be "I" or "II."

#### MASTER'S DEGREE THROUGH SCHOOL OF MEDICINE.

The Master's degree may be earned through graduate work in the Medical School of the University at Portland. The requirements for this degree in medicine are those specified by the committee on education of the American Medical Association, with such adaptations only as are made necessary by the administrative organization of the Graduate School of the University.

#### GRADUATE ASSISTANTS.

The University has established Graduate Assistantships in many departments, open to graduate students majoring in those departments. These assistantships pay from \$400.00 to \$600.00 per year, and may be held more than one year. Other minor positions, as readers or assistants, are also open to graduate students. Graduate students employed in such instructional work have the benefit of the reduction in the registration fee.

Those interested in securing such positions should correspond with the president of the University or the head of the department in which they expect to work.

COLLEGE OF LITERATURE, SCIENCE AND  
THE ARTS

THE FACULTY

- P. L. CAMPBELL, LL. D., President.  
 JOHN STEAUB, Lit. D., Dean of the College of Literature, Science and  
the Arts, Professor of Greek Language and Literature.  
 PERCY PAGET ADAMS, B. S., Professor of Graphics.  
 LIEUTENANT-COLONEL RAYMOND C. BAIRD, U. S. A., Assistant Pro-  
fessor of Military Science and Tactics.  
 JAMES D. BARNETT, Ph. D., Professor of Political Science.  
 ERNEST SUTHERLAND BATES, Ph. D., Professor of Rhetoric and  
American Literature.  
 JOHN FREEMAN BOVARD, Ph. D., Professor of Zoology.  
 WILLIAM PINGRY BOYNTON, Ph. D., Professor of Physics.  
 JULIA BURGESS, M. A., Professor of Rhetoric.  
 \*ALBERT E. CASWELL, Ph. D., Professor of Physics.  
 HERMAN ALDRICH CLARK, M. A., Professor of Latin.  
 ROBERT CARLTON CLARK, Ph. D., Professor of History.  
 TIMOTHY CLOVAN, Ph. D., Professor of Romance Languages.  
 EDMUND S. CONKLIN, Ph. D., Professor of Psychology.  
 PETER CAMPBELL CROCKATT, M. A., Professor of Economics.  
 MABEL LOUISE CUMMINGS, Director Women's Gymnasium.  
 BURCHARD WOODSON DEBUSK, Ph. D., Professor of Education.  
 EDGAR EZEKIEL DECOU, M. S., Professor of Mathematics.  
 FREDERICK STANLEY DUNN, M. A., Professor of Latin Language and  
Literature.  
 †CHAS. H. EDMONDSON, Ph. D., Professor of Zoology.

\*Leave of absence.

†Resigned.

- ELIZABETH FREEMAN FOX, B. A., Dean of Women.  
 JAMES HENRY GILBERT, Ph. D., Professor of Economics.  
 CHESTER A. GREGORY, M. A., Professor of Education.  
 WILLIAM I. HAYWARD, Director Men's Gymnasium.  
 HEBBERT CROMBIE HOWE, B. A., Professor of Modern English  
Literature.  
 JOHN J. LANDSBURY, Mus. Dr., Professor of Music.  
 EDWARD H. MCALISTER, M. A., Professor of Mechanics and Astronomy.  
 WILLIAM EDMUND MILNE, Ph. D., Professor of Mathematics.  
 EARL L. PACKARD, Ph. D., Professor of Geology.  
 MARY H. PERKINS, M. A., Professor of Rhetoric.  
 ROBERT W. PRESCOTT, B. A., Professor of Public Speaking.  
 ARCHIBALD F. REDDIE, B. A., Professor of Public Speaking.  
 HELEN RHODES, Assistant Professor of Art.  
 EDWIN CLYDE ROBBINS, Ph. D., Professor of Economics.  
 †JOSEPH SCHAFFER, Ph. D., Professor of History.  
 FRIEDRICH GEORGE G. SCHMIDT, Ph. D., Professor of German.  
 ALFRED HERMAN SCHROFF, Professor of Fine Arts.  
 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.  
 HARRIET THOMSON, B. A., Assistant Director of Women's Gymnasium.  
 EDWARD THORSTENBERG, Ph. D., Professor of Scandinavian Languages.  
 LILLIAN TINGLE, Professor of Household Arts.  
 RAYMOND H. WHEELER, Ph. D., Professor of Psychology.

\*Leave of Absence.

†Resigned.



- MARY WATSON, M. A., Assistant Professor of English Literature.  
 FREDERICK GEORGE YOUNG, B. A., Professor of Economics and Sociology.  
 CHARLOTTE BANFIELD, B. A., Instructor in Public Speaking.  
 CECELIA SMITH BELL, B. A., Instructor in English Literature.  
 NORMA B. DOBIE, B. A., Instructor in English Literature.  
 LAURA CELESTE FOULKES, B. A., Instructor in Botany.  
 LOIS GRAY, B. A., Instructor in Romance Languages.  
 CELIA HAGER, M. A., Instructor in Psychology.  
 CAMILLA LEACH, Assistant Instructor in Drawing.  
 ANTOINETTE SHUMWAY, B. S., Instructor in Household Arts.  
 ANDREW FISH, Instructor in History.  
 IDA V. TURNER, M. A., Instructor in Rhetoric.  
 CATHERINE WINSLOW, Ph. B., Instructor in Women's Gymnasium.  
 LEWIS A. BOND, M. S. Assistant in Geology.  
 ALEXANDER P. BOWEN, B. A. Assistant in Psychology.  
 MARY CHAMBERS, B. A., Assistant in Zoology  
 JOHN H. CLARK, B. S., Assistant in Economics  
 DOROTHY GILSON, B. A., Assistant in Latin.  
 RUTH GREEN, B. A., Assistant in Rhetoric.  
 FRANK B. KELSEY, B. S., Assistant in Geology.  
 CLYDE MASON, B. A., Assistant in Chemistry.  
 RUTH MONTGOMERY, B. A., Assistant in Education.  
 MARCUS D. O'DAY, Assistant in Physics.  
 ISABELLE SLAVIN, B. A., Assistant in Zoology.  
 GEORGE W. TAYLOR, B. A., Assistant in Physics.

#### 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, Geology, Germanic

Languages, Greek, History, Household Arts, Hygiene and Physical Education for Women, Latin, Mathematics, Mechanics and Astronomy, Military Science, Philosophy and Ethics, Psychology, Physics, Physical Education for Men, Political Science, Public Speaking, Romance Languages and Zoology.

#### LOWER DIVISION

Students entering the College select a Major Subject, and the head of the appropriate department acts as adviser, or assigns the student to an adviser. The adviser is responsible for placing upon the study card such a selection of courses as shall satisfy the University prescriptions and prepare the student for his Major work. All petitions must also be countersigned by the adviser. Change of Major may be made by the student at the beginning of an academic year; at other times it is made only on granting of a petition. In either case a record of the change, acknowledged by both advisers concerned should be filed in the Registrar's office.

#### SPECIAL COURSES

Certain special courses have been arranged in the College leading to advanced work in the professional schools of the University or elsewhere, or in preparation for certain vocations. These courses are listed below, together with the name of the department or school and the page where the description is given.

Course.	Dept. or School.	Page
Architecture	Architecture	104
Art Teachers and Supervisors	Education	123
Commerce	Commerce	112
Pre-Engineering	Physics	320
Fine Arts	Architecture	107
Law	Law	137
Pre-Medical	Zoology	339
Music, Degree of Mus. B.	Music	195
Music Teachers and Supervisors	Education	127
Normal Art	Architecture	108
Physical Education, Directors, Teachers.	Education	126
Teachers of High School Science	Education	125

## UPPER DIVISION

The most important consideration in the Upper Division is the completion of the Major requirements. The Major department selected at the beginning of the Upper Division is not to be changed except for reasons of the greatest urgency, and then only by petition. The head of the Major department ordinarily acts as adviser. For graduation the student must have done work in the Major or closely allied departments as prescribed by the department amounting to not less than 36 term-hours, of which not less than 24 term hours must be done in junior and senior years in courses listed as primarily intended for juniors and seniors. But no department may require more than 72 term hours of Major work.

A candidate for the degree of Bachelor of Arts shall complete at least two consecutive years in one foreign language. However, the two years of foreign language thus required need not be in the same foreign language if one year is a continuance of a language already studied two years in high school.

A candidate for the degree of Bachelor of Science shall complete at least three year-courses totalling not less than 30 term-hours in Social Science or in Mathematics and Science.

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 or six term hours may be allowed for the preparation of the thesis.

Medical students who have completed the junior year in this University may elect the first year of the School of Medicine for their senior year, and on its completion, with the approval of the Medical Faculty, receive their first degree.

## SCHOOL OF ARCHITECTURE AND ALLIED ARTS

## THE FACULTY

- P. L. CAMPBELL, B. A. LL. D., President of the University.  
 ELIS FULLER LAWRENCE, S. M., F. A. I. A., Dean of School,  
 Professor of Architecture.  
 PERCY PAGET ADAMS, B. S., Professor of Graphics and Assistant to  
 the Dean.  
 EDWARD HIRAM MCALISTER, M. A., Professor of Structures.  
 ALFRED H. SCHROFF, Professor of Fine Art.  
 HELEN RHODES, Assistant Professor of Normal Art.  
 CAMILLA LEACH, Art Librarian.  
 LOUIS S. ROSENBERG, Professor of Architectural Design.  
 ARTHUR RUNQUIST, B. A., Instructor in Art.  
 ESTHER WUEST, In charge of Extension Work for Art Teachers.

## GENERAL STATEMENT

The School of Architecture and Allied Arts was organized in 1914. The degree of Bachelor of Architecture is offered for the completion of the prescribed professional courses in Architecture. The degree of Bachelor of Arts is offered those majoring in the Art Department who comply with the general University requirements for that degree. Courses are given in Architectural and Structural Design, Art Appreciation, Civilization and Art, Normal Art, City Planning, Drawing, Modeling, Graphics, Theoretical and Applied Design, Water Color, and Oil Painting. The school offers training for students contemplating careers in architecture, painting, modeling, illustrating, various forms of commercial arts, structural design and contracting. In connection with the School of Education, it offers special courses for Art Teachers. Co-operating with the Extension Department, courses are given in Portland in Architectural Design. Courses for teachers of art are

offered both in summer school and in the Extension Division. A department of exhibitions operates in connection with the school.

The School of Architecture and Allied Arts is housed in the new Architectural Building. It has two liberal draughting rooms, very well lighted, an ample studio with a collection of casts and reproductions of architectural renderings and a large exhibition hall.

The School is a member of the Association of Collegiate Schools of Architecture. The course has been approved by the Oregon Chapter of the American Institute of Architects.

#### ADVISERS

Students who register in the School of Architecture and Allied Arts should select one of the following professors to act as adviser in regard to appropriate courses to be pursued: Dean Lawrence for Design Option in Architecture; Professor Schroff for work in Fine Arts; Professor McAlister for Structural Option in Architecture; and Professor Rhodes for work in Normal Art.

The professor so chosen will fill out the student's registration card, which should then be countersigned by the Dean of the School before being filed with the Registrar.

#### ENTRANCE REQUIREMENTS

Students majoring in Art courses in the School of Architecture and Allied Arts 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

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. 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. (Exceptions may be made in the case of bona fide special students.)

#### (a) Fixed requirements 10 units:

1. English ..... 3 units
2. Mathematics ..... 3 units
  - Algebra through quadratics... 1½ units
  - Plane geometry ..... 1 unit
  - Solid geometry ..... 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, 5 units to be presented. These may be selected from any of the subjects for which standard high schools give credits toward graduation and may include additional work in the above required subjects. Additional units in English are especially desirable.

For further information concerning entrance requirements, excess matriculation credits and special student standing, see earlier pages of this catalog.

#### MEDALS AND PRIZES

The American Institute of Architects offers each year a medal to each of the thirteen members of the Association of Collegiate Schools of Architecture to be awarded the student making the most consistent improvement during his prescribed course.

A. Glen Stanton, '19, was awarded the medal in 1919.

The Oregon Chapter of the A. I. A. awards two prizes each year for proficiency in architectural design. The Educational Committee of the Chapter acts as jury in this award.

In 1916-17 the first prize of \$15.00 was awarded to Joe Tominaga and the second prize of \$10.00 was awarded to Russell Collins.

In 1917-18 the first prize was \$15.00 was awarded to Walter Church, and the second prize of \$10.00 was awarded to Marie Louise Allen.

In 1918-19, Hollis Johnston and L. J. Ellis were each awarded \$12.50.

John McGuire, 1917, has offered a prize of \$25.00 to be awarded for the best sketch problems made during the year.

## COURSES

## ARCHITECTURAL DESIGN

Architectural design is introduced in the first term of the freshman year in order to bring the student in touch with his professional work and co-workers as early as possible. This Elementary design is taught by simple problems of composition—i. e. placing openings in the facades of a prescribed building and lectures on materials, mouldings, function, details, composition and paper models of the building are finally made to give the student an early experience in the reality of the "third dimension."

In the sophomore year, carried along parallel with the course in History of Architecture, certain of the problems given by the Beaux Arts Institute of Design of New York are taken in order to bring the students in competition with those throughout the country taking these problems. However, much less time is given to these "Order Problems" than called for in the Schedule of the Beaux Arts Institute of Design and short problems are assigned to bring the students face to face with the problem of fitting simple architectural solution to the practical limitation of materials—requirements of plan and site.

The Junior and Senior Design is given by means of projects, major sketch and minor sketch problems. Actual conditions of site and environment are incorporated in the program as far as possible and the work of City Planning, Domestic Architecture and Architectural Design are correlated in such problems as "An Industrial Village" and "A State Capitol City," in which actual topography is given and the problems in Architectural Design associated definitely with living conditions and other practical considerations.

## JURIES AND JUDGMENTS

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

Morris H. Whitehouse, A. I. A.	A. E. Doyle, A. I. A.
Joseph Jacobberger, A. I. A.	Alfred Smith, A. I. A.
Folger Johnson, A. I. A.	W. G. Knighton, A. I. A.
John Bennes, A. I. A.	William G. Holford, A. I. A.
Wade Pipes	H. A. Whitney, A. I. A.

In order that the students may be made aware of their progress, all judgments are recorded on score cards, varying with the problem. These show the values secured in Indication, Lettering, Composition, Rendering, Parti, Architectural Play, Section and Elevation.

## GRADING IN ARCHITECTURAL DESIGN

Students in Architectural Design courses must secure a prescribed number of credits before graduation is allowed. Each term a schedule of problems is posted and points are allowed on the basis of First Mention, Second Mention and Mention, these mentions being awarded by visiting juries, subject to the approval of the professor of architectural design. The total number of points secured by each student automatically fixes his grade for the term. Should any student lack the points needed to enable him to pass, he must make up his deficiency by taking extra assignments until he has attained the rank of passing.

## LANDSCAPE DESIGN

Professor A. L. Peck, of Oregon Agricultural College, gave a two term course in Landscape Design in 1917-18 in connection with the course in Domestic Architecture.

SYNOPSIS OF COURSES IN ARCHITECTURE LEADING TO  
THE DEGREE OF BACHELOR OF ARCHITECTURE

## I. DESIGN OPTION

Dean Lawrence in Charge

## FRESHMAN YEAR

Subjects	Credits		
	Fall	Winter	Spring
*English Composition	3	3	3
Elementary Language; French, German or Spanish	5	5	5
General Physics	4	4	4
Descriptive Geometry	2	2	
Architectural Design Elements	1		
Advanced Algebra		4	
Trigonometry			4
Shades and Shadows			2
Physical Training and Military Drill			
<b>Total Credits</b>	<b>15</b>	<b>18</b>	<b>18</b>

## SOPHOMORE YEAR

Subjects	Credits		
	Fall	Winter	Spring
General Chemistry	4	4	
Analytical Geometry	3		
2nd Year Language	4		
Architectural History	1	1	1
Drawing	1	1	1
Water Color	1	1	1
Architectural Design	3	3	4
Perspective		2	2
Calculus		3	3
Research in Ornament and Style		1	1
Geology of Building Materials			3
Physical Training and Military Drill			
<b>Total Credits</b>	<b>17</b>	<b>16</b>	<b>16</b>

## JUNIOR YEAR

Subjects	Credits		
	Fall	Winter	Spring
Principles of Economics	4	4	2
Architectural History	2	2	2
Applied Mechanics	3	3	3
Life Class	1	1	2
Architectural Design	4	4	5
Research in Ornament and Style	1	1	1
Domestic Architecture	1	1	1
Specifications	1	1	1
Pen and Pencil		1	1
<b>Total Credits</b>	<b>17</b>	<b>18</b>	<b>16</b>

## SENIOR YEAR

Subjects	Credits		
	Fall	Winter	Spring
Civilization and Art Epochs	2	2	2
Elements of City Planning	1	1	1
Special Subjects: Heating, Ventilation, Plumbing, Acoustics, Illuminating	1		
Sanitary Science and Public Health		1	1
Life Class	1		
Architectural Design	6	7	7
Modeling	1	1	1
Constructive Design	2	2	2
Pen and Pencil	1		
Building Materials and Constructive Types	1		1
Ethics and Business Relations	1	2	1
Graphic Statics		1	1
Cartoons for Mural and Stained Glass		1	1
<b>Total Credits</b>	<b>17</b>	<b>18</b>	<b>16</b>

\*It is especially desirable for students in Architecture to enter the School proficient enough in English to allow them to be excused from at least one hour during the winter and spring terms, in which case Architectural Design and Drawing should be taken.

## II. STRUCTURAL OPTION

Professor McAlister in Charge

The Freshman year is identical with that of the Design Option.

## SOPHOMORE YEAR

Subjects	Credits		
	Fall	Winter	Spring
Chemistry	4	4	
Analytical Geometry	3		
Calculus		3	3
Architectural History	1	1	1
Drawing	2	1	1
Architectural Design	3	2	2
Working Drawings	3	3	3
Elementary Mechanics		3	3
Perspective	2		
Geology of Structural Materials			3
Physical Training and Drill			
<b>Total Credits</b>	<b>15</b>	<b>17</b>	<b>16</b>

## JUNIOR YEAR

Subjects	Credits		
	Fall	Winter	Spring
Mechanics	3	3	3
Architectural History	2	2	2
Specifications	1	1	1
Principles of Economics	4	4	4
Surveying		2	2
Strength of Materials	3	3	
Wooden Trusses			2
Stresses			3
Masonry			4
Graphic Statics	2	2	
<b>Total Credits</b>	<b>15</b>	<b>17</b>	<b>17</b>

## SENIOR YEAR

Subjects	Credits		
	Fall	Winter	Spring
Reinforced Concrete .....	3	3	
Heating and Ventilation .....	3		
Electric Lighting and Wiring .....	3		
Mechanical Appliances .....		3	3
Arches .....	3		
Foundations .....	3		
Steel Trusses .....	2	2	
Steel Frame Buildings .....	2	2	2
City Planning .....	1	1	1
Ethics and Business Relations .....	1	1	1
Civilization and Art Epochs .....	2	2	2
Hydraulics .....			3
Thesis .....			5
<b>Total Credits</b> .....	<b>17</b>	<b>17</b>	<b>17</b>

## FINE ARTS

The aim of the Fine Arts Course is not primarily to produce artists and sculptors, but to teach the actual practice of art, not by lectures only, but by every means intensively and with energy calculated to refine the powers of observation of eye, and, in cooperation with the School of Music, the perceptions of the ear. It aims at no actual fusion with other departments, but a federation among them all. It is felt that the student's powers of observation may be strengthened and refined by some thorough practice in art, the works of which are to be appreciated in after life, and that his sphere of possible art pleasure may be greatly increased and refined thereby, thus widening out the student's taste, making it more catholic and universal.

Life class study induces concentration of perceptive faculties intensively. The lectures are planned for the understanding of history, theory, practice and technique of master works of the world. They cover the psychology and intellectual analysis of the artistic perception and the emotional response which each work of art requires, thus insuring the complete understanding of its essence.

The aim is aestheticism in its largest aspects and although affiliated with the regular college curriculum, this course must eventually become as efficient and comprehensive a force in pure culture as the best academies and schools of art are in America today.

## SYNOPSIS OF COURSE IN FINE ARTS LEADING TO THE DEGREE OF BACHELOR OF ARTS

Professor A. H. Schroff, Director in Charge

## FRESHMAN YEAR

Subjects	Credits		
	Fall	Winter	Spring
English Composition .....	3	3	3
1st Year Language .....	5	5	5
Art Appreciation .....	2	2	2
Drawing .....	1	1	1
Modeling .....	1	1	1
Personal Hygiene (for women) .....			3
Practical Ethics (for women) .....			3
Physical Education .....	1	1	1
Military Science (for men) .....			3
Electives (for women) .....	3	3	
Electives (for men) .....	3	3	3
<b>Total Credits</b> .....	<b>16</b>	<b>16</b>	<b>16</b>

## SOPHOMORE YEAR

Subjects	Credits		
	Fall	Winter	Spring
2nd Year Language .....	4	4	4
Life Class .....	2	2	2
Water Color .....	1	1	1
Pen and Pencil .....	1	1	1
A Course in "Science Group" .....	3	3	3
Physical Education .....	1	1	1
Color Theory .....	1	1	1
Military Science (for men) .....			3
Electives .....	3	3	3
<b>Total Credits</b> .....	<b>16</b>	<b>16</b>	<b>16</b>

## JUNIOR YEAR

Subjects	Credits		
	Fall	Winter	Spring
Advanced Water Color .....	1	1	1
Civilization and Art Epochs .....	2	2	2
Principles and Practice of Decorative Design .....	2	2	2
Life Class .....	4	4	4
Advanced Modeling .....	1	1	1
Electives .....	6	6	6
<b>Total Credits</b> .....	<b>16</b>	<b>16</b>	<b>16</b>

## SENIOR YEAR

Subjects	Credits		
	Fall	Winter	Spring
Life Class .....	5	5	5
Mural Decoration and Stained Glass .....	1	1	1
History and Appreciation of Music .....	2	2	2
Principles and Practice of Decorative Design .....	2	2	2
Advanced Modeling .....	1	1	1
Oil and Water Color Painting .....	1	1	1
Electives .....	4	4	4
<b>Total Credits</b> .....	<b>16</b>	<b>16</b>	<b>16</b>

NOTE: Foreign Language requirements for the Bachelor of Arts Degree must be met in accordance with the general regulations of the University.

## NORMAL ART

The aim of the Normal Art courses is to develop an appreciation for the beautiful, to give freedom, spontaneity and power of original self-expression in design, with some understanding of the design and processes employed in the industrial arts and crafts. The student is also prepared for the work of supervising and teaching art in the schools.

## SYNOPSIS OF COURSE IN NORMAL ART LEADING TO THE DEGREE OF BACHELOR OF ARTS

Professor Helen Rhodes in Charge

## FRESHMAN YEAR

Subjects	Credits		
	Fall	Winter	Spring
Design .....	2	2	2
Drawing from Cast and Life .....	1	1	1
Instrumental Drawing .....	2	2	2
1st Year Language .....	5	5	5
English Composition .....	3	3	3
Personal Hygiene .....	3		
Practical Ethics .....	3		
Physical Education .....	1-3	1-3	1-3
Elective .....	1	1	1
		2	2
<b>Total Credits</b> .....	<b>17 1-3</b>	<b>16 1-3</b>	<b>16 1-3</b>

## SOPHOMORE YEAR

Subjects	Credits		
	Fall	Winter	Spring
Design .....	2	2	2
Life Class .....	2	2	2
Representation .....	1	1	1
Color Theory .....	1	1	1
2nd Year Language .....	4	4	4
Course in Social Science Group .....	3	3	3
Physical Education .....	1	1	1
Elective .....	2	2	2
<b>Total Credits</b> .....	<b>16</b>	<b>16</b>	<b>16</b>

## JUNIOR YEAR

Subjects	Credits		
	Fall	Winter	Spring
Textiles and Dress Design .....	2	2	2
Art Appreciation .....	2	1	1
Pedagogy of Art .....	2	2	2
Life Class .....	1	1	1
Pen and Pencil .....	1	1	1
Water Color .....	1	1	1
Education .....	4	4	4
Elective .....	4	4	4
<b>Total Credits</b> .....	<b>16</b>	<b>16</b>	<b>16</b>

## SENIOR YEAR

Subjects	Credits		
	Fall	Winter	Spring
Applied Design .....	2	2	2
Home Decoration .....	2	2	2
Practice Teaching .....	4	4	4
Civilization and Art Epochs .....	2	2	2
Elective .....	6	6	6
<b>Total Credits</b> .....	<b>16</b>	<b>15</b>	<b>16</b>

NOTE: Foreign Language requirements for the Bachelor of Arts degree must be met in accordance with general regulations.

## EXTENSION WORK

In connection with the Extension Division of the University, the School of Architecture and Allied Arts carries on classes in Portland in Architectural Design. Special courses for art teachers are also offered. Lectures are applied 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 and the Art Division of the Portland Women's Club, courses of lectures have in the past been arranged dealing with the Great Historical Phases of Architecture, and with special subjects, such as Domestic Architecture, School Room Design, Art Training in the Public Schools, Fire Protection, The Architect and the Investor, Excess Condemnation, City Planning, etc.

## EXHIBITIONS

The following exhibitions have been held during the past years:

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 oil painters; examples of the work of Henry Wentz of Portland, 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; bird and animal pictures by Bruce Horsfall; work of the Portland Art Museum; Oregon artists; circuits from the American Federation of Arts.

## SCHOOL OF COMMERCE

## FACULTY

- P. J. CAMPBELL, B. A. LL.D., President.
- D. WALTER MORTON, M. A., B. D., C. P. A., Dean of the School of Commerce and Professor of Commerce.
- T. J. BOLITHO, B. A., Professor of Commerce (Accounting).
- ALEXANDER BOWEN, Assistant in Psychology.
- JULIA BURGESS, M. A., Professor of Rhetoric.
- E. S. CONKLIN, Ph. D., Professor of Psychology.
- M. LUCILE COPENHAVER, Assistant in Mathematics.
- CHARLES E. COUCHE, President Couche Advertising Agency, Instructor in Advertising, Portland Extension Division.
- P. C. CROCKATT, M. A., Professor of Economics.
- E. E. DECOU, M. S., Professor of Mathematics
- CRAWFORD C. EDMONDS, B. A., M. A., Professor of Commerce (Business Management and Salesmanship).
- J. H. GILBERT, Ph. D., Professor of Economics.
- CELIA V. HAGER, M. A., Instructor in Advertising.
- FRANK H. HILTON, A. B., J. D., Instructor in Business Law, Portland Extension Division.
- \*ALLAN C. HOPKINS, B. S. C., Professor of Commerce.
- R. H. KINNEY, Assistant in Commerce.
- CHESTER T. KRONENBERG, A. B., M. A., Member of Staff of Whitfield & Whitcomb Co, Certified Public Accountants, Instructor in Accounting, Portland Extension Division.
- ALFRED L. LOMAX, Professor of Commerce (Foreign Trade).
- W. E. MILNE, Ph. D., Professor of Mathematics.
- MARY H. PERKINS, M. A., Professor of Rhetoric.
- E. C. ROBBINS, Ph. D., Professor of Economics and Sociology.
- W. D. SMITH, Ph. D., Professor of Geology
- M. T. SOLVE, B. A., Instructor in Rhetoric.
- IDA V. TURNEY, M. A., Instructor in Rhetoric.
- F. MIRON WARRINGTON, (formerly of A. O. Anderson & Co.) Instructor in Foreign Trade, Portland Extension Division, School of Commerce.
- R. H. WHEELER, Ph. D., Professor of Psychology.

\*Resigned.

The School of Commerce was established in 1914 when the Board of Higher Curricula of the State of Oregon authorized the University of Oregon to establish undergraduate and graduate courses in Commerce, the purpose of which should be to train young men and women for positions as business executives and managers. The functions of the School of Commerce, as set forth, were as follows:

1. To offer professional courses to young men and women preparing for the more important lines of business administration in Oregon.
2. To conduct research activities for determining for the people of Oregon profitable and preferred industries for Oregon and the conditions for their most efficient pursuit.
3. To offer guidance to the best organization and procedure for marketing Oregon products and for effective purchases to supply Oregon's needs.
4. To suggest forms of organization, management and administration calculated to raise the efficiency of all lines of enterprise in Oregon.
5. To foster through organization of conferences and commissions larger cooperation and efficiency in all research activity among the people of the State and aiming at higher development of its resources.

With the above aims in view it is obvious that no courses are to be given in bookkeeping, shorthand and typewriting, which courses have been assigned to the Oregon Agricultural College.

The work is divided between the campus School of Commerce, and the Portland Extension Center School of Commerce. The aim in both instances, so far as the faculty is concerned, as will be noticed, is to have the courses taught by men who have had not only technical but practical experience in the field in which they are teaching. All accounting courses are taught by men who have had practical accounting experience and who are certified. The courses in Foreign Trade, Advertising, Business Law, are likewise taught by men who are actually at work in the field in which they are giving instruction.

The degree given to students who satisfactorily complete all



University requirements of the four-year course, is Bachelor of Business Administration. When the graduate work, some courses of which have been already established, is fully organized it is expected that the degree of Master of Business Administration will be given all graduate students in commerce classes.

The first two years of the Commerce course are given over to general preparation, while intensive specialization in business subjects is permitted in the third and fourth years and as soon as the graduate school is established will be continued in graduate courses. The program as now laid out is as follows:

*First Year—*

English.  
 Modern Language or Chemistry.  
 Economic History.  
 Economic Geography.  
 College Algebra.  
 Industrial History.  
 Mathematics of Investment.  
 Elective 3 hours.

*Second Year—*

Principles of Economics.  
 Modern Language.  
 Accounting Principles.  
 Psychology.  
 Business English.  
 Elective 3 hours.

*Third Year (All Electives)—*

Business Organization and Management.  
 Cost Accounting.  
 Foreign Selling Methods.  
 Foreign Exchange.  
 Practical Exporting.  
 Salesmanship.  
 Sales Management.  
 Credits and Collection.  
 Elementary Banking.  
 Business Law.  
 Employment and Executive Management.  
 Accounting Systems.  
 Life Insurance.  
 Fire Insurance.  
 Purchasing.  
 Statistics.

*Fourth Year (All Electives)—*

Auditing.  
 C. P. A. Problems.  
 Trade Routes and World Ports.  
 Brokerage.  
 Corporation Organization and Management.  
 Marine Insurance.  
 Municipal and Public Utility Accounting.  
 Investments.  
 Practical Banking.  
 Advertising.  
 Lumber Accounting.  
 Industrial Management.  
 Plant Management.

*Courses Given in the Portland Extension Center—*

Principles of Accounting—Mr. Kronenberg.  
 Cost Accounting—Mr. Kronenberg.  
 C. P. A. Problems—Dean D. Walter Morton.  
 Business Mathematics—Mr. Kronenberg.  
 Advertising—Mr. Couche.  
 Business Law—Mr. Hilton.  
 Salesmanship and Sales Management—Prof. Edmonds.  
 Business Organization and Management—Prof. Edmonds.  
 Life Insurance—Prof. Hopkins.  
 Fire Insurance—Prof. Hopkins.  
 Foreign Trade—Mr. Warrington.  
 Commercial Spanish—Mr. Warrington.  
 Commercial French—Mr. Warrington.

## SCHOOL OF EDUCATION

## FACULTY

P. L. CAMPBELL, B. A., LL.D., President of the University of Oregon.  
 H. D. SHELDON, Ph. D., Dean of School of Education.  
 B. W. DEBUSK, Ph. D., Educational Psychology.  
 C. A. GREGORY, M. A., School Administration.  
 H. R. DOUGLASS, M. A., Secondary Education.  
 G. M. RUCH, M. A., Practice Teaching, Science.  
 MARGARET B. GOODALL, A. B., University High School. English.  
 GEORGE E. FINNERTY, Commercial Branches.  
 VICTOR MORRIS, B. A., History.  
 EDITH BAKER PATTEE, B. A., French and Latin.  
 LEXIE STRACHAN, Mathematics.  
 HELEN RHODES, Normal Art.  
 ANNA LANDSEURY BECK, B. A., Music.

## 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.

## OPPORTUNITIES FOR SPECIALIZING

The School of Education, by means of the professional training offered in the various departments of education and the academic instruction given in the respective University departments, is prepared to train the following classes of teachers:

- (1.) Superintendents, principals, supervisors and teachers for administrative work.
- (2) Teachers for departmental work in a senior high school.
- (3) Teachers for departmental work in a junior high school.
- (4) Special supervisors in Music, Art, Physical Training, Athletic Sports, Public Speaking and Commerce.
- (5) Teachers for Normal Schools and Colleges.
- (6) Teachers who are interested in defective and subnormal children and delinquents.
- (7) Those who are interested in physical and mental measurements and tests as specialists in large cities.

For a more detailed synopsis of these courses, see under "Courses of Instruction" elsewhere in this catalog.

## THE UNIVERSITY HIGH SCHOOL

The University High School is the laboratory for research work in education. It is housed in the Education Building where it is most convenient for students in education. Here students may have an opportunity of observing the successful application of methods of teaching and may acquire, under supervision, such skill as will lead to the actual work of the school. Model lessons are given by the supervisors in charge so that those who are preparing to teach may have illustrations to guide them in the applications of the principles underlying education. Lesson plans are worked out and supervised teaching is done. Much of the teaching is done by the problematic or project method. Those unique problems of discipline and organization are carefully worked out. The physical equipment is modern and ample to take care of the needs of the school. The laboratories are especially well equipped and wide use is made of the apparatus. Student activities are encouraged and much may be learned from the methods employed. Mental and physical tests and measurements are made from time to time and a careful record is kept of the results in the various tests.

## LIBRARY FACILITIES AND MUSEUMS

## LIBRARY

The University library now contains in excess of 85,000 volumes and is rapidly growing. For research work in education the library offers, by far, the best opportunities of any library in the state. It is open every day except Sunday, from 7:45 A. M. to 10 P. M. Books not found in the library dealing with any special problem, which a student may be interested in, will be ordered as far as possible. All the current magazines and periodicals are found in the general reading room.

## MUSEUMS

The Geological Museum contains thousands of specimens of vertebrate fossils from the John Day valley, invertebrate specimens, Paleo-botanical specimens, a display and type collection of minerals, Oregon economic minerals, type collection of rocks, an ethnological collection of tools and implements used by early man and many other interesting specimens.

The Botanical Museum consists of a number of collections known as the Howell collection, the Leiberg collection, the Cusick collection, and the Edmund P. Sheldon collection. These collections approximate 35,000 specimens.

## THE APPOINTMENT BUREAU

The University maintains an Appointment Bureau to aid its graduates and alumni to find those positions for which their academic and professional training has fitted them. The fee is one dollar, payable but once. The Bureau keeps in touch with the Boards of Education and Superintendents desiring teachers and strives to put the right teacher in the right place. The Bureau does not assist teachers who are not University of Oregon graduates; but concentrates all its energies in the service of its own graduates. A great many more calls for superintendents, principals and departmental teachers come to this Bureau than it is able to fill, and the number of calls is increasing each year. The recommendation of the Bureau will be limited to candidates who have taken courses as prescribed by the School of Education.

## DEGREES

## BACHELOR OF ARTS OR SCIENCE

The degree, Bachelor of Arts, or Bachelor of Science, is conferred upon students of the School of Education who have secured 180 hours of college credits, exclusive of six hours required in physical training and including work required by the major professor.

## MASTER OF ARTS OR SCIENCE

The degree Master of Arts or Master of Science is conferred upon those students who have received the Bachelor's degree from this institution or from some other college or university of approved standing. The Graduate School of Education is a department of the Graduate School of Arts and Sciences, and as such it offers opportunity for graduate study to those who have done their major work in Education.

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 or 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 course in the major 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 course in Education, but wish to complete the 22 term hours required for the State certificate, should register in the undergraduate course.

## CERTIFICATES OF 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 120 semester hours (180 term hours) including 15 semester hours (22 term hours) in Education as follows:

1. One-year State certificates shall be issued without examination, upon application, to such graduates of standard colleges and univer-

sities, 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 certificate, secured in accordance with the provisions of this section, is hereby authorized to act as 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

## COURSES OF INSTRUCTION

### COURSES OF STUDY FOR HIGH SCHOOL TEACHERS

Students expecting to teach in the high school should take Education 51 and 52, 103 or 104, 105, Observation and practice teaching, two or three courses in Group V (special methods), and one or two of the departmental academic courses listed below:

### COURSES REQUIRED BY DEPARTMENTS

The following list of the courses of study necessary to equip teachers in the different high school subjects represents the irreducible minimum which the department in question considers necessary to insure superior teaching. Under the ordinary conditions no student will be recommended for a position in a department of a 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 year's 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 fluctuate 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 groups: 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*; Vergil'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 *Terrence*, selections from *Pliny* and *Martial*.

### SPANISH

Elementary Spanish.  
Advanced Spanish.  
Classical Spanish.

## FRENCH

Elementary French.  
 Advanced French.  
 History of French Literature in Seventeenth Century.  
 History of French Literature in Eighteenth and Nineteenth Centuries.  
 French Conversation.

## GERMAN

Four years' consecutive work, including:

Elementary German.  
 Advanced German.  
 German Classical Drama.  
 And either German Fiction and Contemporary Literature or the Nineteenth Century Novel in addition to the teaching of German.

## ENGLISH LANGUAGE, COMPOSITION AND LITERATURE

English Composition.  
 American Literature.  
 English Literature (Freshman).  
 Wordsworth.  
 Shakespeare (one semester).  
 Teaching of English.  
 Teachers' Course in Public Speaking.  
 Teachers' Course in Dramatic Interpretation.

## HISTORY

Greece and Rome.  
 Middle Ages.  
 Renaissance and Reformation.  
 Industrial History of Europe.  
 Modern European History.  
 History of England.  
 Early American History.  
 Later American History

## MATHEMATICS

Advanced Algebra and Plane Trigonometry.  
 Analytic Geometry and Calculus.  
 Teaching and History of Mathematics.  
 Theory of Equations and Determinants.

## GEOLOGY

For teachers of Physical Geography and Introductory Science:  
 General Geology.  
 Physiography.

## PHYSICS

General Physics.  
 History and Teaching of Physics.  
 Physical Technics.

## CHEMISTRY

General Chemistry.  
 Analytical Chemistry.  
 Organic Chemistry.  
 Teachers' Course.

## BOTANY

General Biology.  
 General Botany.  
 Systematic Botany.  
 Pedagogy of Botany.

## ZOOLOGY

General Biology.  
 General Zoology.  
 Elementary Physiology.  
 Field Zoology.

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

**Sophomore Year**—History of Education (Course 52); Principles of Education (Course 51); Educational Psychology (Course 53); Psychology is also advisable, but does not count as Education.

**Junior Year**—Secondary Education (Course 105); Observation of Teaching (Course 106).

**Senior Year**—Practice Teaching (Course 107a), four or five hours.

## ADMISSION TO THE SCHOOL OF EDUCATION

The requirements for admission to the School of Education are the same as those for admission to the College of Literature, Science, and the Arts, viz: Fifteen units, representing completion of a four years' high school course. Persons more than twenty years of age and properly qualified may enter the University as special students without complying with the above requirement, but no such student may be a candidate for a degree or University teacher's certificate until all entrance deficiencies are made up.

## NORMAL SCHOOL CREDIT

The School of Education will grant two years of advanced standing to those students who are graduates of the Oregon State Normal School, providing that before entering the normal school such students were graduates of standard high schools and completed the subjects required by the University for entrance.

## WORK MAY BE SUBSTITUTED

Advanced work in Education may be substituted for the two years foreign language requirement for those who wish to take the degree Bachelor of Science in Education. Students making this substitution earn a B. S. in Education instead of a B. A. degree.

## PLAN OF EDUCATIONAL COURSES

The advanced work in Education is arranged in cycles. So long as a quarter plan is in vogue the cycle for advanced work in graduate study will extend over a period of three quarters or one full year's work. The courses are so arranged that the hours do not conflict, thus affording a wide range of courses for those who wish to do advanced work. The first cycle deals primarily with the administrative side of education. It is designed for superintendents and principals and for those who will devote a large part of their time to the problems of supervision and administration proper. The fall term will take up the subject of School Administration proper, the winter term will deal with Statistical Methods in Education, followed in the spring term by the Organization of Common School Curricula.

The second cycle of courses deals with the psychological and hygienic phases of education. (Educational Hygiene in the fall, Exceptional Children winter term, and Mental and Physical Tests and Diagnostic Methods the spring term.)

The third cycle deals with the social aspects of education and consists of History of American Education, Modern Social Problems in Education and Educational Sociology.

Coordinate with these courses are the courses in practical application of the various principles of education. Here the practical phases are especially emphasized. The work is done in observation classes and classes in supervised teaching. Six hours of work in education, including a course in observation, is a prerequisite to practice teaching.

Through the courtesy of Superintendent W. R. Rutherford and the Board of Education of the City of Eugene, much additional work of a practical nature is done in the city schools.

## SPECIAL VOCATIONAL COURSES

## COURSES FOR ART SUPERVISORS

The following schedule of courses offered by the School of Architecture and Allied Arts is recommended for students contemplating training as Art Teachers or Supervisors.

## FRESHMAN YEAR

Course for Art Teachers	3 credits each term
Design—Elementary—Applied Lettering .....	1 credit
Representation—Object—Nature .....	1 credit
Color—Theory .....	1 credit
Instrumental Drawing	2 credits each term
Perspective { .....	1 credit
Geometrical { .....	
Constructive-Lettering { .....	1 credit
Working Drawings { .....	
	<hr/> 5 credits each term

## SOPHOMORE YEAR

<b>Course for Art Teachers</b>	<b>4 credits each term</b>
Design .....	1 credit
Pictorial Representation .....	1 credit
Color—Water Color .....	1 credit
Drawing—Cast and Life .....	1 credit
<b>History of Civilization and Art Epochs</b> (Including Historic Ornament)	<b>3 credits each term</b>
	<b>7 credits each term</b>

## JUNIOR YEAR

<b>Course for Art Teachers</b>	<b>6 credits each term</b>
Design—Applied .....	1 credit
Picture study .....	1 credit
Pictorial Representation .....	1 credit
Drawing—Life .....	1 credit
Pen and Pencil Composition—Values—Technique.....	1 credit
Color—Water color—Oil .....	1 credit
<b>History of Civilization and Art Epochs</b>	<b>2 credits each term</b>
	<b>8 credits each term</b>

## SENIOR YEAR

<b>Course for Art Teachers</b>	<b>8 credits each term</b>
Applied Design .....	2 credits
Pictorial Representation .....	1 credit
Pedagogy .....	1 credit
Practice Teaching .....	1 credit
Drawing—Life .....	1 credit
Modeling .....	1 credit
Composition .....	1 credit
<b>Art Appreciation</b>	<b>2 credits each term</b>
	<b>10 credits each term</b>

## COURSE FOR TEACHERS OF SCIENCE

The following course, leading to the degree of Bachelor of Science, prescribes the fundamental courses in Biology, Physics and Geology which are needed by science teachers in such positions as are

open to them at the beginning of their careers. It further requires that the student shall select some one of the sciences as a specialty, which is to be pursued for at least a year (nine term hours) beyond the prescribed fundamental course. The following detailed schedule will satisfy these requirements.

## FRESHMAN YEAR

	Fall	Winter	Spring
English Composition .....	3	3	3
*Personal Hygiene .....	3	..	..
General Biology .....	4	..	..
Botany .....	..	4	4
Zoology .....	..	4	4
Group and other elective .....	5-6	4-5	4-5
	<u>15-16</u>	<u>15-16</u>	<u>15-16</u>

\*For women. Men substitute elective work.

## SOPHOMORE YEAR

	Fall	Winter	Spring
Physics .....	4	4	4
Elementary Physiology .....	4	..	..
Education .....	..	4	4
Group and other elective .....	7-8	7-8	7-8
	<u>15-16</u>	<u>15-16</u>	<u>15-16</u>

## JUNIOR YEAR

	Fall	Winter	Spring
Geology .....	4	4	4

Other Upper Division courses will include the courses in Education and Practice Teaching required for certification, at least two Methodology courses (6 term hours), and not less than nine term hours of advanced work in the science selected as a specialty. The remaining hours, probably from 42 to 48, may be taken as free elective. Additional courses in the sciences already begun, or courses in Mathematics, Chemistry, Astronomy or Graphics will appeal to those who wish as complete a grasp as possible of the range of High School Science.

## COURSE FOR TEACHERS OF PHYSICAL EDUCATION

## FRESHMAN YEAR

Zoology four hours and, if not presented for entrance, Physics four hours.

## SOPHOMORE YEAR

Chemistry four hours, Psychology three hours, and two terms of Human Anatomy—Applied and Visceral—four hours.

## JUNIOR YEAR

Fall		Winter		Spring	
Hrs.		Hrs.		Hrs.	
Kinesiology	5	Physiology	5	Theory of Physical Education	3
Technique of Teaching	1	Normal Instruction	1	Playground Supervision	3
Principles of Education	3	Teaching of Playground	3	Gymnastics	1
Playground Supervision	3	Supervision	3	Sports	½
Gymnastics	1	Gymnastics	1	Physiology	5
Dancing	½	Dancing	½	Normal Instruction	1

## SENIOR YEAR

Fall		Winter		Spring	
Hrs.		Hrs.		Hrs.	
Corrective Gymnastics	3	Corrective Gymnastics	3	Anthropometry and Physical Diagnosis	3
Theory of Physical Education	2	Theory of Physical Education	2	Emergencies and Bandaging	2
Teaching	2-3	Eugenics	2	Teaching	2-3
Gymnastics and Sports	1½	Teaching	2-3	Gymnastics and Sports	1½
		Gymnastics and Sports	1½		

## COURSE FOR MUSIC TEACHERS

The Public School Music Department offers a Supervisor's course in grade and high school music. The first requisite is musicianship. The student-teacher then receives a thorough and systematic training in the application of music, from the first grade through the high school. She is required to teach two terms, and an opportunity is provided in the Eugene City Schools.

The aim is to train teachers in such a way that they may give children good music in the most practical way and teach them to love it. A teacher who accomplishes this must appreciate all that she wishes to convey, and therefore the prerequisites of this course

would include the ability to play the choruses she expects to teach and a knowledge of the constructional side of music. She must also be trained in vocal music so that she can properly care for the young voices in her charge. She must know how to avail herself of all the musical helps within reach, such as the possibilities of the talking machine, the most desirable publications, and the people who are authorities in the musical world. The School of Music offers courses in all musical lines and the Public School Department purposes to apply this knowledge to school needs.

The following are the minimum requirements for a certificate:

Ability to read and play moderately difficult choruses or accompaniments.

Two year's instruction in singing.

The elements of Musical Science, three terms.

Analysis of Music, two terms.

Musical History, three terms.

Sight Singing, three terms.

Public School Methods.

History of Education.

Principles of Education.

Choir Experience.

## COURSES 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, each term.

Theory and Coaching of High School Sports, two hours each term.

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, A. B., LL. D., President of the University.
- ERIC W. ALLEN, A. B., Dean and Professor of Journalism.
- COLIN V. DYMENT, A. B., Professor of Journalism.
- GEORGE TURNBULL, A. B., Professor of Journalism.
- W. F. G. TEACHER, M. A., Professor of English, Instructor in Advertising.
- E. W. HOPE, Ph. D., Dean of School of Law, Instructor in Law of the Press.
- ROBERT C. HALL, Assistant Professor of Journalism, Superintendent of University Press.
- CELIA V. HAGER, M. A., Instructor in Psychology of Advertising.
- M. H. DOUGLASS, M. A., Librarian.
- CARLTON E. SPENCER, A. B., LL. B., Registrar.

The purpose of the School of Journalism is to prepare students to enter, upon graduation, into the various occupations that have to do with the editing and publication of newspapers and magazines. In establishing the Department of Journalism in 1912, the University had several objectives in view. In the first place it was felt that the press and public alike would benefit if it were made possible for young men and women to obtain such a training in journalism that they should be able to exercise their best abilities in their profession soon after graduation without a long and painful process of "breaking in." This would result in supplying the press with a better educated personnel, one which would be available for responsible work earlier in the individual career, and which would from the very be-

giving have some conception of the splendid possibilities of the profession. For the student, this type of education offers the opportunity to obtain in general University courses the broad knowledge and understanding so necessary to the rightly qualified journalist, without losing touch for four years with the practicalities of the profession. Furthermore, since the business and profession of journalism has reached its present high state of specialization, it is no longer possible for the young man or woman through any form of apprenticeship to acquire a familiarity with more than a few of its numerous branches. This appears perhaps to the beginner to be only a slight handicap, but the course of promotion takes the journalist out of his specialty and places him in a position where he has supervision over several specialties. It is, then, in after years rather than at the very beginning, that he will realize to the full the value of the breadth of preparation such as is now obtainable through University instruction and not under present conditions procurable by way of apprenticeship in shop, office or editorial room.

University-trained journalists, experience has demonstrated, find little difficulty in forming desirable newspaper connections promptly upon graduation. The preference which once existed among editors and publishers for employes who had worked up in the office and shop from office boy or printer's devil has disappeared. The University School of Journalism each year receives more applications from newspapers for qualified reporters and advertising solicitors than it is able to satisfy. University-trained journalists in all parts of the country are proving the value of their training by advancing rapidly in their chosen profession.

## EQUIPMENT

The equipment of the Oregon School of Journalism surpasses that of all but two or three similar institutions in the world in the completeness of its laboratory facilities and opportunities for practical experience in a wide range of journalistic specialties. The University Press, as organized at Oregon, is a department of the School of Journalism, and one of its principal purposes is to furnish students free and full opportunity to familiarize themselves with the

mechanical and business basis upon which their profession rests. It is in connection with this department that the student learns the methods and economies of the business office, press room and composing room, and gains that confidence in his grasp of the underlying conditions of the business which it is hoped will enable him in the future to be a newspaper owner rather than a perpetual employee.

The University Press has a large Number 7 Optimus cylinder press driven by electricity, a large Chandler & Price job press, the latest Model 19 Mergenthaler linotype, a power cutter, a machine folder, and other equipment of the same scale of excellence.

In his senior year the student himself becomes actually a publisher. The school provides for the issuance by its most advanced class of two regular publications, one weekly news sheet and one monthly magazine, and several others at irregular intervals, which furnish the opportunity for practical contact with a wide range of editorial problems.

In addition there are several publications controlled by the students of the University and usually both edited and managed by students in journalism. The most important of these are the student newspaper, the Emerald, and the Oregonian, which is a large cloth-bound annual furnishing varied experience in book publication.

Numerous other publications are constantly passing through the shops of the University Press, and the student comes in contact with this work at many points in connection with his various courses.

For writing and editing work, the School of Journalism has a special small building fitted up like a newspaper office, plentifully supplied with typewriters, copy desk, private offices and "morgue" material.

The School of Journalism subscribes for leading newspapers from all parts of the United States and has an unusually complete list of exchanges among the newspapers of Oregon. These newspapers come to the students' work room or "local room" and are available for all purposes in connection with the courses.

#### HONORARY SOCIETIES

The two leading journalistic honorary fraternities maintain chapters at the Oregon School of Journalism. Sigma Delta Chi, for

men, and Theta Sigma Phi, for women, elect to membership such students of the School of Journalism as maintain an adequate standard of achievement in journalistic work and earn and retain the respect and confidence of their fellow students. Alumni membership in these societies is becoming a valued association among newspaper men and women.

#### BROAD TRAINING REQUIRED

Professional work in Journalism should form an integral part of a sound and well-balanced general collegiate course of four years' duration. In no profession is breadth of knowledge and variety of training more needed than in journalism.

The professional courses in Journalism are scheduled for the third and fourth years of the course, and the student in arranging his schedule should plan to devote half to two-thirds of his time in those years to strictly professional work, devoting the first and second years to the fundamentals of a general education.

In special instances, however, students will be allowed to take professional subjects earlier in their courses where previous preparation appears to have been sufficient.

## SCHOOL OF LAW

## THE FACULTY

- P. L. CAMPBELL, A. B., LL. D., President.  
 EDWARD WILLIAM HOPE, Ph. D., Deau and Professor of Law.  
 JAMES DUFF BARNETT, Ph. D., Professor of Law.  
 SAM BASS WARNER, A. B., LL. B., Professor of Law.  
 THOMAS ARMITAGE LARREMORE, A. B., LL. B., Professor of Law.  
 E. R. BRYSON, of the Lane County Bar, Lecturer on Oregon Practice and Procedure.  
 M. H. DOUGLASS, A. M., Librarian of the University.  
 CARLTON E. SPENCER, A. B., LL. B., Registrar of the University.

## HISTORICAL STATEMENT

The Law School of the University of Oregon was by action of the Board of Regents established as a regular School of the University on the campus at Eugene in April of 1915, and was empowered to confer the law degrees of LL.B and J.D. upon its graduates. In December, 1919, the Law School was admitted as a member of the Association of American Law Schools.

## THE QUARTERS OF THE LAW SCHOOL

During the month of November, 1916, the Law School moved into 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 convenient, offering an easy reference to the books, and a quiet place for study. The whole building is steam heated and modern in every respect.

## THE LAW LIBRARY

The Law Library is arranged with the idea of offering to the students and faculty an easy access to the books. In addition to about one thousand well selected text-books, encyclopedias, digests, etc., bearing on the law, the Law Library now has on hand the following sets: Lawyers' Reports Annotated (old and new series);

American Decisions, American Reports, American State Reports; American and English Cases Annotated; a fairly complete set of the English reports; the American Digest complete; the American and English Encyclopedia of Law; Cyclopedia of Law and Procedure, Corpus Juris, as far as published; Ruling Case Law, as far as published; two sets of the Oregon Supreme Court Reports, together with several sets of Montague's Oregon Digest; Lord's Oregon Laws and Session Laws (a full set of the session laws of Oregon is kept in the general library of the University); Words and Phrases Judicially Defined, and other dictionaries; the United States Supreme Court Reports; Mitchie's U. S. Encyclopedic Digest of U. S. Reports; the United States Statutes; the entire National Reporter System. The Library already contains the following law periodicals and reviews: The American, California, Columbia, Cornell Law Quarterly, Harvard, Illinois, Michigan, Minnesota, Pennsylvania Law Reviews; Law Quarterly Review; Massachusetts Law Quarterly; Virginia Law Review; Yale Law Journal; Central Law Journal; American Journal of International Law; Case and Comment; American Law School Review; Legal Aid Review. Others will be added later.

The study tables for students are of quartered oak, and seat about thirty. Each student has his own electric light.

## PURPOSES OF THE LAW SCHOOL

The course of instruction extends through three full academic years. The Law School has practically supplanted the law office as a place of preparation for the practice of law. It is obvious that systematic instruction by experienced teachers will result not only in a more thorough, but a more speedy, preparation for the bar, than is possible through the more desultory reading in a busy law office. The object of the school is to afford a thorough practical and scientific education in the principles of the Common and Statute Law of the United States, the English and American System of Equity Jurisdiction, and the Public Law of the United States. Later it is intended to add to this, courses in the civil law of Rome, and in Theoretical and Comparative Jurisprudence. It is believed that students should not only be fitted as completely as possible for the actual practice of law and the conduct of public affairs,

but also stimulated toward real scholarship and research. In order to accomplish these purposes, the mere accumulation of information is subordinated to the far more important end of developing the faculties of the student and of training him in habits of legal reasoning, at the same time imparting a thorough knowledge of the law as it actually is.

The method chiefly employed is that of free discussion by the professor and students of selected cases and other authorities, with the view of arriving at the principles of law by the process of inductive reasoning.

#### PRESENT-DAY IMPORTANCE OF A LEGAL TRAINING

Now that the war is over we have the tremendous task of reconstructing our national life and fitting it into a changed world. Great changes are taking place in our economic, political, moral and social ideas, and these new ideas must necessarily create new laws. More certain it is now than ever it was that our law will have to be re-written in large part, in order that it may embrace our expanding life.

Our laws must harmonize somewhat with the laws of other nations whose trade and friendship we desire. Their laws must be studied and understood, that we may make this contact.

In our own country, rapid changes are being wrought. The laws against combinations, the belief in competition, are brushed aside to make room for government regulation. Co-operation is winning over competition in the most advanced countries. Legitimate business must be freed from all that is obsolete, cumbersome, unduly expensive and obstructive in the law. The relations of capital and labor must be ordered by just laws rather than by clashes of force. In the interest of production, to gain and hold new markets, to keep abreast of other nations, the state will take a larger hand in these disputes.

The "woman movement" and the great changes in the economic condition of women have induced much change in the law. Women will demand many more rights than have been accorded them hitherto. A determination on their part to know the law and help make it is seen in the increasing number of law schools for women, and their growing attendance in schools usually filled by men.

#### WHEN STUDENTS MUST ENTER

Students may enter at the beginning of any term, 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 credits toward graduation during that session.*

#### 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 by regular students except by special permission of the Dean of the Law School.*

### ADMISSION OF PARTIAL STUDENTS

Persons who have been admitted to the University and who desire to study law as a preparation for business, may pursue in the Law School, without payment of additional fees, not to exceed one law course a term.

### 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 legal study and send them to the Dean of the Law School before presenting themselves for admission.

### TWO-YEAR COURSE

(Preliminary to the Study of Law)

It is a noticeable tendency of the times to require a more thorough preparation for all the professions. In none is this tendency more marked than 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 effect-

ively with the law as student and practitioner. To this end it is suggested that the student selects his studies from the following list:

### PRE-LEGAL CURRICULUM

#### First Year—

English Composition  
History (English and American)  
Chemistry  
Mathematics  
Latin (beginners' course)  
Elementary Law (required of all law students)  
Economics  
Physical Training

#### Second Year—

Latin  
Physics  
American Government  
Psychology  
French or German  
Economics  
Logic  
History of Philosophy  
Rhetoric  
Public Speaking  
Physical Training

A selection from the above subjects should be made to the extent of at least sixteen term hours. Eighteen hours may be taken if the grades obtained warrant this privilege.

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 now 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 this total number of credits up to one hundred and fifty, 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 his first year of law study he must earn at least thirty-six term hours to apply on his A. B. degree, thus making the one hundred and eighty-six 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 one hundred and fifteen 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 of 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 II, 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 Jurisprudence—

The degree of Doctor of Jurisprudence (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 one hundred and fifteen credits (the equivalent of three full years of professional study of law), and who have otherwise satisfied the requirements of the University and the

Law School. Since one year of law may be counted toward the degree of Bachelor of Arts, the requirements for the degree of Doctor of Jurisprudence may be satisfied by the successful completion of the Combined Six-Year Course in Arts and Law.

The foregoing statement as to the requirements for degrees is subject to the following rules:

1. To be a successful applicant for the degree of Doctor of Jurisprudence a student must have obtained over the full three-years' law course a minimum average of II.
2. Any students who fails to obtain a minimum average of IV over the full three years of his law course shall not be graduated.
3. No degree will be conferred upon any student who has not spent at least one year in resident study at this University.

#### REGULATIONS

No student will be admitted to the second-year class who is deficient in more than five hours of the work of the first year. No student will be admitted to the third year class who is deficient in any subject of the first year, or in more than one two-term course, or in more than two one-term courses of the second year.

No student failing in any subject will be permitted to take a second examination therein without having again taken the course in which such failure occurred, nor will any student failing a second time in any subject be allowed to continue in the Law School except by special vote of the Law Faculty.

#### TUITION AND FEES

The tuition for all regular and special students is ten dollars a term. This is in addition to the annual registration fee of \$17.50, and the annual student body fee. All fees are payable in three installments in advance. Students permitted to register late are required to pay the full charge for tuition for the term 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.

## SCHOOL OF MEDICINE

## FACULTY

- P. L. CAMPBELL, B. A., LL. D., President of the University.
- GEORGE MILTON WELLS, M. D., Emeritus Professor of Pediatrics.
- ANDREW JACKSON GIESY, M. D., Emeritus Professor of Clinical Gynecology.
- JAMES FRANCIS BELL, M.D., L. R. C. P., London, Emeritus Professor of Medicine.
- RICHARD NUNN, B.A., B.Ch., M.D., Emeritus Professor of Diseases of Eye, Ear, Nose and Throat.
- SIMEON EDWARD JOSEPHI, M. D., Emeritus Professor of Nervous and Mental Diseases.
- \*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 B. DILLEHUNT, M. D., Dean, Professor of Anatomy.
- 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 Obstetrics.
- ALBERT EDWARD MACKEY, M. D., Professor of Genito-Urinary Diseases.
- ROBERT CLARKE YENNEY, M. D., Professor of Clinical Medicine, head of the Department of Medicine.
- ROBERT LOUIS BENSON, A. M., M. D., Professor of Pathology, Head of the Department of Pathology.
- HOWARD D. HASKINS, A. B., M. D., Professor of Biochemistry, Head of Department of Biochemistry.
- HAROLD B. MYERS, A.B., M.D., Professor of Pharmacology, Head of Department of Pharmacology.
- WILLIAM F. ALLEN, A. M., Ph. D., Professor of Anatomy, Head of Department of Anatomy.

\*Died March 15, 1920.

- GEORGE E. BURGET, S.B., Ph.D., Professor of Physiology, Head of Department of Physiology.
- H. J. SEARS, A.B., Ph.D., Professor of Bacteriology, Head of Department of Bacteriology and Hygiene.
- J. F. DICKSON, M.D., Professor of Ophthalmology, Head of Department of Ophthalmology, Otolaryngology and Rhinology.
- J. B. BILDERBACK, M.D., Professor of Pediatrics, Head of the Department of Pediatrics.
- FRANK R. MENNE, B. S., M. D., Professor of Pathology.

## ASSOCIATE PROFESSORS

- JAMES CULLEN ZAN, M. D., Associate Professor of Clinical Surgery.
- WILLIAM HOUSE, M. D., Associate Professor of Nervous and Mental Diseases.

## ASSISTANT PROFESSORS

- ALVIN WALTER BAIRD, A. B., M. D., Assistant Professor of Surgery.
- J. ALLEN GILBERT, Ph. D., M. D., Assistant Professor of Medicine.
- J. C. ELLIOT KING, A. B., M. D., Assistant Professor of Dermatology and Syphilology.
- CLARENCE 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.)
- J. EARLE ELSE, M. S., M. D., Assistant Professor of Surgery.
- RALPH CHARLES MATSON, M. D., Assistant Professor of Medicine. In charge of Tuberculosis Division of Out-Patient Department.

- RAY W. MATSON, M. D., Assistant Professor of Medicine. In charge of Tuberculosis Division of Out-Patient Department.
- I. C. BRILL, A. B., M. D., Assistant Professor of Clinical Medicine.
- CHARLES E. SEARS, B. S., M. D., Assistant Professor of Medicine.
- GEORGE F. KOEHLER, M.D., Assistant Professor of Medicine.
- FREDERICK A. KIEHLE, A.B., M.D., Assistant Professor of Ophthalmology, Otolaryngology, Rhinology and Laryngology.
- W. B. HOLDEN, M.D., Acting Assistant Professor of Surgery.
- R. C. COFFEY, M.D., Acting Professor of Surgery.
- H. W. COFFIN, M.D., Acting Assistant Professor of Medicine

## ASSOCIATES

- GEORGE AINSLIE, M. D., Associate in Ophthalmology.
- JOHN N. COGHLAN, M. D., Associate in Otolaryngology.
- RALPH A. FENTON, A. B., M. D., Associate in Rhinology and Laryngology.
- L. H. HAMILTON, A. B., M. D., Associate in Surgery.
- 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.
- B. L. NORDEN, M. D., Associate in Surgery.
- C. R. MCCLURE, M. D., Associate in Surgery (Orthopedie).
- A. C. SMITH, M. D. Associate in Surgery.
- MARR BISAILLION, M. D., Associate in Medicine.
- E. A. SOMMER, M. D., Acting Associate in Surgery.
- J. A. PETTIT, M. D., Acting Associate in Surgery.
- R. J. MARSH, M. D., Acting Associate in Medicine.

## INSTRUCTORS

- HORACE BURNETT FENTON, A. B., M. D., Instructor in Therapeutics.
- DONALD H. JESSUP, Phm. G., M. D., Instructor in Surgery.
- JAMES WENDELL ROSENFELD, A. B. M. D., Instructor in Pediatrics.
- WILLIAM E. SHEA, M. D., Instructor in Surgery.
- RAYMOND E. WATKINS, M. D., Instructor in Surgery.
- COURTLAND LINDEN BOOTH, A. B., M. D., Instructor in Obstetrics.

- WILLIAM GEORGE SCOTT, M. D., Instructor in Obstetrics.
- HARRIET J. LAWRENCE, M.D., Instructor in the Out-Patient Tuberculosis Clinic.
- C. STUART MENZIES, M.D., Instructor in Applied Anatomy.
- ALLEN P. NOYES, M. D., Instructor in Pediatrics.
- H. W. HOWARD, M. D., Instructor in Genito-Urinary Surgery.
- V. 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.
- R. 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.
- ANDREW J. BROWNING, M. D., Instructor in Anaesthesia.
- LEO RICEN, M. D., Instructor in Medicine.
- MARY MACLACHLAN, M. D., Instructor in Gynecology.
- BERTHA STUART DYMENT, M.D., Instructor in Pediatrics.
- WILLIAM F. KAISER, M. D., Instructor in Surgery.
- R. J. CHIPMAN, M. D., Instructor in Pediatrics.
- ROBERT G. HALL, M. D., Instructor in Pediatrics.
- JOHN G. ABELE, M. D., Instructor in Infectious Diseases.
- J. W. LUCKEY, M. D., Instructor in Mental and Nervous Diseases.
- J. M. SHORT, M. D., Instructor in Medicine.
- WILMOT C. FOSTER, A.B., Instructor in Anatomy.
- HERBERT H. FOSKETT, Instructor in Pathology.
- LURA B. TAMMESIE, A.B., Instructor in Bacteriology.
- C. M. BARBEE, M.D., Acting Instructor in Surgery.
- C. U. MOORE, A.M., M.D., Acting Instructor in Pediatrics.
- H. M. HENDERSHOT, M.D., Acting Instructor in Ophthalmology.
- J. W. MCCOLLUM, M.D., Acting Instructor in Ophthalmology.
- G. T. TROMMOLD, M.D., Acting Instructor in Surgery.
- W. W. VINSON, M.D., Acting Instructor in Roentgenology.
- J. G. STROHM, M.D., Acting Instructor in Gynecology.
- R. M. DODSON, M.D., Acting Instructor in Gynecology.
- R. S. STEARNS, M.D., Acting Instructor in Applied Anatomy and Surgery.
- J. A. LOUNDAGIN, M.D., Acting Instructor in Medicine.



## RESEARCH FELLOW

C. U. MOORE, Research Fellow in Biochemistry.  
CHARLES FERGUSON, Research Fellow in Pathology.

## ASSISTANTS

LESTER T. JONES, Anatomy.  
CLINTON H. THIENES, A. B. Embryology and Histology.  
EDWIN E. OSGOOD, Biochemistry.  
CLAIREL L. OGLE, A. B., Biochemistry.  
JOHN M. ASKEY, Biochemistry.  
WALTER H. MILLER, Bacteriology.  
E. G. FLETCHER, Library.  
MARGARET TYNAN, B. N., Pathology.  
JAY R. COPPEY, B. S., Pathology.  
A. F. WALTER KRESSE, Pharmacology.  
ALBERT T. MORRISON, Pharmacology.  
HOMER P. RUSH, Physiology.  
IRA MANVILLE, A. B., Physiology.  
MILDRED MCBRIDE, A. B. Physiology.

## SECRETARY-REGISTRAR

LUCY I. DAVIS.

## LIBRARIAN

BERTHA B. HALLAM.

## TECHNICIANS

ALOIS TEDISCH, Bacteriology.  
WREN C. GAINES, Physiology.  
R. WALTER JOHNSON, Anatomy, Pathology.

## COMMITTEES OF THE FACULTY

(The first named is Chairman.)

EXECUTIVE—Dean, Tucker, MacKay, Benson, Allen.  
REVISION OF CURRICULUM AND ADVANCED STANDARDS—Myers, Yenney,  
Labbe, Sears, Burget.  
LEGISLATION—Dean, Josephi, Tucker, Labbe, Haskins.

ADMISSION, PROMOTION AND PREPARATORY SCHOOLS—Menne, Sears,  
Zad, Allen, Benson.

GROUNDS, BUILDINGS AND IMPROVEMENTS—Tucker, Dillehunt, Allen,  
Menne, Myers.

LIBRARY—Burget, Allen, Sears, Haskins, MacKay.

## 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. From 1890 until June, 1919, a three-story frame structure, located at Twenty-third and Lovejoy streets, was utilized.

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 & Navigation Company. The campus is situated on Marquam Hill, one of the most attractive scenic points in the city of Portland, and can be approached by easy grades from the Terwilliger Boulevard. Under the terms of the gift it will be possible to erect hospitals upon the campus which will

enable the faculty of the school to give the most practical instruction upon all branches of medicine.

The twenty-eighth, twenty-ninth and thirtieth legislative assemblies appropriated a total of one hundred and ten thousand dollars, which, combined with twenty-five thousand dollars given by citizens of Portland, has enabled the erection of a reinforced concrete building of three stories, two hundred by sixty-five feet, representing the most modern ideas in medical college building construction.

#### CLINICAL ADVANTAGES

Exceptional clinical advantages are available to the Medical School because of its intimate relation to several general hospitals and to certain special hospitals.

Good Samaritan Hospital (Episcopalian) accommodates, at present, 250 patients, and has recently received a bequest from the estate of the late Theodore B. Wilcox for the construction of a new maternity department.

St. Vincent's Hospital (Roman Catholic) contains 458 beds and is modern in every respect.

In both of the above general hospitals the departments of Pathology, Bacteriology and Serology are directly supervised by the department of Pathology of the Medical School, and in the latter the Medical School retains sufficient beds to provide ample clinical work in medicine, and the Medical School also maintains for teaching purposes therein a well equipped clinical laboratory.

Multnomah County Hospital, a charitable general hospital, is now in process of construction upon a site of seven acres provided by the University of Oregon on its new Medical School campus. \$450,000.00 has been appropriated for the construction of the first unit, which will accommodate 250 patients. The immediate proximity of this hospital to the Medical School will greatly augment the clinical facilities.

Immanuel Hospital (Swedish Lutheran) is a well organized institution of 100 beds which has recently affiliated with the Medical School.

Portland Surgical Hospital has placed its excellent facilities and organization at the disposal of the Medical School for teaching surgery.

Portland Sanitarium (Adventist) provides a large amount of clinical material.

Clinical instruction in Pediatrics is provided by the Albertina Kerr Nursery Home, the Department of Pediatrics in St. Vincent's Hospital and the Waverly Baby Home. Members of the faculty of the Medical School conduct clinics and ward walks in all the above hospitals, which assures ample clinical work.

The "Crippled Children's Law," passed at a recent session of the legislature, provides for the treatment of all indigent crippled children of the state by the Medical School.

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 cooperation 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 equipment. Over 3000 patients were cared for in 1918, assuring a good daily attendance. Small groups of third and fourth year students are assigned to daily dispensary service under immediate supervision.

#### JONES MEDICAL LECTURES

The Jones Medical Lectureship has been founded by Doctor Noble Wiley Jones of Portland. Under the terms of the foundation, Dr. Jones, by an annual gift of \$300.00, provides for all expenses incidental to the presentation of a series of lectures by a medical authority who is preeminent in some branch of medical science.

The first lectures will be given by Professor Ludwig Hektoen, Professor of Pathology at Rush Medical College, in June, 1920. The subject is "The Old and New Knowledge of Immunity." These lectures are open to all students of the Medical School and to all physicians.

## LIBRARY AND READING ROOM

The Medical School Library and Reading Room is a large room especially well lighted and fitted for study. The stacks are accessible and a librarian and assistant are in attendance six days a week.

The Library now contains approximately 10,000 volumes. Numerous gifts of valuable volumes have been accepted from prominent physicians of the Northwest. The best texts and monographs are being added at the rate of about 1,000 volumes per year.

Over 160 different periodicals on medicine and related subjects, including the best foreign publications, are being currently received. Most of these sets are complete, while the others are being made complete as rapidly as possible.

## REQUIREMENTS FOR ADMISSION

## 1. HIGH SCHOOL REQUIREMENTS

(a) For admission to the two-year premedical college course, students shall have completed a four-year course of at least fifteen units in a standard accredited high school or other institution of a standard secondary school grade, or have the equivalent as demonstrated by examinations conducted by the College Entrance Examination Board, or by the authorized examiner of a standard college or university which has been approved by the Council on Medical Education. Unless all the entrance units are obtained by examination, a detailed statement of attendance at the secondary school, and a transcript of the student's work should be kept on file by the college authorities. This evidence of actual attendance at the secondary schools should be obtained, no matter whether the student is admitted to the freshman or to the higher classes.

(b) Credits for admission to the premedical college course may be granted for the subjects shown in the following list and for any other subject counted by a standard accredited high school as a part of the requirements for its diploma, provided that at least eleven units must be offered in Groups I-V;

SCHEDULE OF SUBJECTS REQUIRED OR ACCEPTED FOR  
ENTRANCE TO THE PRE-MEDICAL COLLEGE COURSE

Subjects:	Units*	Required
Group I, English—		
Literature and composition .....	3-4	3
Group II, Foreign Languages—		
Latin .....	1-4	} 2†
Greek .....	1-3	
French or German .....	1-4	
Other foreign languages .....	1-4	
Group III, Mathematics—		
Elementary algebra .....	1	1
Advanced algebra .....	½-1	...
Plane geometry .....	1	1
Solid geometry .....	½	...
Trigonometry .....	½	...
Group IV, History—		
Ancient history .....	½-1	} 1
Medieval and modern history .....	½-1	
English history .....	½-1	
American history .....	½-1	
Civil government .....	½-1	
Group V, Science—		
Botany .....	½-1	...
Zoology .....	½-1	...
Chemistry .....	1	...
Physics .....	1	...
Physiography .....	½-1	...
Physiology .....	½-1	...
Astronomy .....	½-1	...
Geology .....	½-1	...
Group VI, Miscellaneous—		
Agriculture .....	1-2	...
Bookkeeping .....	½-1	...
Business law .....	1	...
Commercial geography .....	½-1	...
Domestic science .....	1-2	...
Drawing, frechand and mechanical .....	½-2	...
Economics and economic history .....	½-1	...
Manual training .....	1-2	...
Music: Appreciation or harmony .....	1-2	...

\*A unit is the credit value of at least thirty-six weeks' work of four or five recitation periods per week, each recitation period to be not less than forty minutes. In other words, a unit represents a year's study in any subject in a secondary school constituting approximately a quarter of a full year's work. A satisfactory year's work in any subject cannot be accomplished under ordinary circumstances in less than 120 sixty-minute hours, or their equivalent.

†Both of the required units of foreign language must be of the same language, but the two units may be presented in any one of the languages specified.

## II. PREMEDICAL COLLEGE COURSE

The minimum requirement for admission to the medical school, in addition to the high school work specified above, is sixty semester hours of collegiate work, extending through two years, of thirty-two weeks each, exclusive of holidays, in a college approved by the Council on Medical Education. The subjects included in the two years of college work must be in accordance with the following schedule:

SCHEDULE OF SUBJECTS OF THE TWO-YEAR  
PREMEDICAL COLLEGE COURSE

Sixty Semester Hours* Required	
Required Subjects:	Semester Hours
Chemistry, Inorganic (a1) .....	8
Organic (a2) .....	5
Physics (b) .....	8
Biology (c) .....	8
English composition and literature (d) .....	6
Other nonscience subjects (e) .....	12
Subjects Strongly Urged:	
French or German (f) .....	6-12
Advanced botany or advanced zoology .....	3-6
Psychology .....	3-6
Advanced mathematics including algebra and trigonometry .....	3-6
Additional courses in chemistry .....	3-6
Other Suggested Electives:	
English (additional), economics, history, sociology, political science, logic, mathematics, Latin, Greek, drawing.	

\*A semester hour is the credit value of sixteen weeks' work consisting of one lecture or recitation period per week, each period to be not less than fifty minutes net, at least two hours of laboratory work to be considered as the equivalent of one lecture or recitation period.

## SUGGESTIONS REGARDING INDIVIDUAL SUBJECTS

(a1) **Chemistry, Inorganic**—Four semester hours of lectures and recitations (at least 64 total hours) and 150 hours of laboratory work are required; the inclusion of qualitative analysis as part of the work being allowed.

(a2) **Chemistry, Organic**—The minimum requirement is 40 lecture and 80 laboratory hours, but the work must be distributed over the entire subject. Students are strongly urged, however, to take the full course of 6 or 8 semester hours.

**Optional Work**—Brief courses in physical chemistry and quantitative analysis are recommended to those who wish to do extra work in chemistry.

(b) **Physics**—Eight semester hours required, of which at least two must be laboratory work. It is urged that this course be preceded by a course in trigonometry. This requirement may be satisfied by six semester hours of college physics, of which two must be laboratory work, if preceded by a year (one unit) of high school physics.

(c) **Biology**—Eight semester hours required, of which four must consist of laboratory work. This requirement may be satisfied by a course of eight semester hours in either general biology or zoology, or by courses of four semester hours each in zoology and botany, but not by botany alone.

(d) **English Composition and Literature**—The usual introductory college course of six semester hours, or its equivalent, is required.

(e) **Nonscience Subjects**—Of the sixty semester hours required as the measurement of two years of college work, at least eighteen, including the six semester hours of English, should be in subjects other than the physical, chemical or biological sciences.

(f) **French or German**—A reading knowledge of one of these languages is strongly urged. If the reading knowledge of one of these languages is obtained on the basis of high school work, the student is urged to take the other language in his college course. It is not considered advisable, however, to spend more than twelve of the required sixty semester hours on foreign languages. In case a reading knowledge of one language is obtained by six semester hours of college work, another six semester hours may be well spent in taking the beginner's course in the other language; if this is followed up by a systematic reading of scientific prose, a reading knowledge of the second language may be readily acquired. When a student spends more than two years in college he may well spend twelve semester hours of his college work in the second language.

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 in 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. Such a 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 diagnosis, clinical pathology, nervous and mental diseases, genito-urinary diseases, and diseases of the eye, ear, nose and throat.

The student approaches the clinical 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 candidates 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 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.

#### GENERAL INFORMATION

##### ROUTINE OF ENTRANCE

All applications should be addressed to the Dean, Medical School, University of Oregon, Portland, Oregon.

Each student 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; and (c) 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 Dean in the Medical School building on September 27 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.

**Microscopes**—Students are expected to provide themselves with microscopes. A plan is arranged with the manufacturing houses whereby the medical school stands sponsor for the student in making payments over an extended period of time.

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 office.

#### 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.

A short course of graduate instruction will be presented during the summer, intended to meet the demands of the physicians of the Pacific Northwest.

## BOOKS AND INSTRUMENTS

The average annual cost of books, instruments and other supplies varies from \$20.00 to \$30.00. 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
<b>First Semester—</b>				
Anatomy:				
Gross .....	12	2	192	32
Histology .....	8	2	128	32
Biochemistry .....	12	3	192	48
<b>Second Semester—</b>				
Anatomy:				
Gross .....	12	2	192	32
Physiology .....	6	3	96	48
Embryology .....	4	2	64	32
Biochemistry .....	9	3	144	48
<b>Total hours</b> .....			1008	270
				1,278

## SECOND YEAR

<b>First Semester—</b>				
Neurology .....	5	1	80	16
Bacteriology, 12 weeks .....	12	3	144	36
Pathology, 4 weeks .....	12	3	48	12
Physiology .....	6	3	96	48
<b>Second Semester—</b>				
Pathology .....	12	3	192	48
Pharmacology .....	9	5	144	80
Topographic Anatomy .....	6	—	96	—
Physical Diagnosis .....	—	2	—	32
			800	272
<b>Total hours</b> .....				1,072

## THIRD YEAR

SUBJECT	Hours per week		Hours per semester	
	Laboratory or Clinic	Lecture	Laboratory or Clinic	Lecture
<b>First Semester—</b>				
Pathology .....	4	2	64	32
Medicine:				
Recitation .....	—	3	—	48
Physical Diagnosis .....	—	2	—	32
Clinic .....	1	—	16	—
Laboratory Diagnosis .....	4	2	64	32
Therapeutics .....	—	1	—	16
Dietetics .....	—	1	—	32
Gastro-Intestinal .....	—	2	—	—
Surgery:				
Recitation .....	—	2	—	32
Clinic .....	2	—	32	—
Obstetrics .....	—	3	—	48
Nervous Diseases .....	—	1	—	16
Dispensary .....	4	—	64	—
Surgical Anatomy .....	2	—	32	—
<b>Second Semester—</b>				
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 .....	—	—	128	—
Dispensary .....	8	—	—	48
Obstetrics .....	—	2	—	32
Gynecology .....	—	4	—	64
Eye, Ear, Nose and Throat .....	—	—	32	32
Pathology .....	2	2	—	—
			496	704
<b>Total hours</b> .....				1,200

## FOURTH YEAR

SUBJECT	Hours per we		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	....
Gynecology Dispensary .....	1	....	16	32
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
Total hours .....			800	400
Grand total hours .....				1,200
				4,622

## DEPARTMENTS OF INSTRUCTION

## I. ANATOMY

Professor WILLIAM F. ALLEN      Professor RICHARD B. DILLEHUNT  
 Instructor WILMOT C. FOSTER      Assistant LESTER T. JONES  
 Assistant CLINTON H. THIENES  
 Technician R. WALTER JOHNSON

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 microscopical 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.

## I. GROSS ANATOMY

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—Abdomen and Leg; 1b—Head and Neck; 1c—Arm and Thorax. Each course requires about ten weeks for completion. Occasional lectures, one recitation and eleven hours laboratory per week, throughout the year.

1c—4 credit hours.

1b—4 credit hours.

1c—4 credit hours.

Professor ALLEN, Mr. FOSTER, and Mr. JONES.

## 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 attention 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, Mr. THIENES.

### 3. EMBRYOLOGY

This course presupposes a knowledge of maturation, fertilization, segmentation, origin of the germ layers and early development of the general system 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, Mr. THIENES.

### 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 methods 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 correlating 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 transverse and longitudinal sections of the human body. Students are required to make careful tracings of these sections. Six hours, second semester; two credit hours. Elective. Mr. FOSTER.

### 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. PHYSIOLOGY

GEORGE E. BURGET, S. B., Ph. D., Professor of Physiology  
IRA MANVILLE, JOHN MONTAGUE, HOMER P. RUSH, Assistants  
MILDRED MCBRIDE, Research Assistant,  
WRENN E. GAINES, Technician.

The physiology laboratory is completely equipped with modern apparatus. All courses are arranged to put as much experimental work as possible in the hands of the student. Laboratories are well fitted for mammalian work.

1. Physiology of blood, circulation, respiration, secretion, excretion, absorption. Lectures three hours a week, laboratory six hours a week, second semester, first year. Five credit hours.

2. Physiology of digestion, metabolism, muscles, animal heat, nervous system, special senses. Lectures three hours a week, laboratory six hours a week, first semester, second year. Five credit hours.

3. Mammalian Physiology. A laboratory course open to a limited number of students. Elective. One semi-semester. Hours and credit to be arranged.

4. Physiology of the glands of internal secretion. Elective. One semi-semester. Hours and credit to be arranged.

5. Research in Physiology. Elective. Hours and credit to be arranged.

## III. PATHOLOGY

ROBERT L. BENSON, A. M., M. D., Professor of Pathology  
 FRANK R. MENNE, M. D., Professor of Pathology  
 Assistant, P. J. PENISTON, M. D. Assistant, MARGARET TYNAN, R. N.  
 Student Assistant, JAY R. COFFEY.  
 N. W. JONES, Fellow, CHARLES FERGUSON  
 Technician, R. WALTER JOHNSON

The Department of Pathology has the necessary facilities for the study of gross and microscopic pathology. The pathological laboratories of St. Vincent's, Good Samaritan, Portland Medical and Portland Surgical Hospitals are under the direct supervision of this department, and the surgical clinics afford a large amount of fresh pathological material for demonstration. It is intended also that the laboratory of the new County Hospital when finished, will be closely affiliated with the Department of Pathology. The museum is being constantly augmented from these sources and also from the autopsies which are performed as often as the occasion presents itself. Each student is required to attend a number of autopsies during the year and to write a detailed report of the findings.

A complete set of sections for microscopic study is 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 has 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 the opportunity to isolate, culture and study the various organisms.

## 1 and 2. PATHOLOGICAL HISTOLOGY, GENERAL PATHOLOGY, AND STUDY OF TUMORS

A laboratory course in general pathology, comprising the study of prepared slides supplemented by experiments; the study of fresh and museum specimens, lectures and recitations. Lectures five hours, laboratory ten hours weekly from Christmas holidays to end of second semester, second year.

Course 1—January 2 to February 5. *Two Credit Hours.*  
 Course 2—Second Semester. *Eight Credit Hours.*

## 3. SPECIAL PATHOLOGICAL ANATOMY AND HISTOLOGY

This course treats the pathological processes from the standpoint of systems of organs, and includes a consideration of the morbid anatomy, pathological histology, and clinical features of each group. Lectures two hours, laboratory four hours weekly, first semester, third year. Professor MENNE. *Three credit hours.*

## 4. SURGICAL PATHOLOGY

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

## 5. RESEARCH IN PATHOLOGY AND BACTERIOLOGY

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

## 6. 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 the year.

## IV. BIOCHEMISTRY

HOWARD D. HASKINS, A. B., M. D., Professor of Biochemistry.  
 EDWIN E. OSGOOD, Assistant in Biochemistry.  
 CLAIREL L. OGLE, Assistant.

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 milk and urine. Four lecture hours and four three-hour laboratory periods in the first semester, and in the second semester three lectures and three laboratory periods until March. Total credit nine and one-half hours.

#### V. PHARMACOLOGY, TOXICOLOGY AND PRACTICAL THERAPEUTICS

Professor MYERS

Dr. FENTON

A. F. WALTER KRESSE, and  
ALBERT T. MORRISON, Assistants.

Instruction in this department aims to give a practical working knowledge of the character 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 incompatibilities. 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 four hours, laboratory three 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 four hours, laboratory three 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 two hours, laboratory two 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. *One 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.

##### 6. RESEARCH

Research in Pharmacology. Elective. Hours and credit to be arranged.

#### VI. BACTERIOLOGY AND HYGIENE

Professor SEARS

Assistant Professor WHITE

ALOIS TIEDISCH, Technician

LURA B. TAMMESIE, Instructor

WALTER H. MILLER, Assistant.

##### 1. BACTERIOLOGY

A course dealing with the morphological and cultural characteristics of the principal disease producing bacteria and including a brief study of the pathogenic yeasts, molds and protozoa. The lectures will include also the subject of immunity.

Four lectures and twelve laboratory hours per week, second semester.

*Six credit hours.*

## 2. PUBLIC HEALTH LABORATORY METHODS

Practice in the laboratory diagnosis of infectious diseases, bacteriological analysis of water and sewage, food and milk, and the testing of disinfectants. Six laboratory hours per week, first semester. Open to students who have had course 1. Miss TAMMESIE.

*One Credit Hour.*

## 3. ELEMENTARY SEROLOGY

A laboratory study of the principal phenomena of immunity with especial emphasis on those serum reactions which are of value in diagnosis. Open to students who have had course 1. Six hours per week first semester. Dr. SEARS.

*One Credit Hour*

## 4. HYGIENE AND SANITATION

A course for third year students consisting of (1) reports on assigned reading covering the principles of public health and hygiene, and (2) lectures on the organization of federal, state and local health departments. Lectures and recitations two hours per week second semester. Dr. WHITE.

*Two Credit Hours.*

## 5. RESEARCH IN BACTERIOLOGY AND IMMUNITY

Open to qualified students. Hours and credit by arrangement. Dr. SEARS.

## VII. MEDICINE

Professor BELL            Professor YENNEY            Professor HASKINS  
Associate Professor HOUSE

Assistant Professor GILBERT            Assistant Professor WHITE

Assistant Professor RALPH MATSON            Assistant Professor RAY MATSON

Assistant Professor KNOX            Assistant Professor SELLING

Assistant Professor COFFIN            Assistant Professor BRILL

Assistant Professor KOEHLER            Assistant Professor SEARS

Acting Assistant Professor COFFIN

Dr. RALPH WALKER, Associate            Dr. R. J. MARSH, Acting Associate

Dr. F. M. TAYLOR, Associate            Dr. MARR BISAILLON, Associate

Dr. ARTHUR ROSENFELD, Instructor            Dr. J. M. SHORT, Instructor

Dr. LEO RIGEN, Instructor            Dr. JOHN G. ABELE, Instructor

Dr. J. A. LOUNDAGIN, Acting Instructor

Dr. HORACE FENTON, Acting Instructor

## 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. Three hours a week, both semesters, third year. Course 1a, first semester, three credit hours. Course 1b, second semester, three credit hours.

## 2. PHYSICAL DIAGNOSIS

A lecture and practical course in methods of physical examination with demonstrations and practice in percussion, auscultation, etc. Two hours a week, first semester, third year. Dr. BISAILLON.

*Two credit hours.*

## 3. PHYSICAL DIAGNOSIS

A continuation of Course 2, with work in pathological conditions. Two hours a week, first semester, third year. Dr. BISAILLON.

*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, Dr. BISAILLON.

## 5. LABORATORY DIAGNOSIS

A practical course in the laboratory in which the student is taught the chemical and microscopic 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, creatinin, uric acid, non-protein nitrogen, chlorides, hydrogen ion concentration and alkali reserve of blood; urea, ammonia, total nitrogen, creatinin, uric acid, phenolsulphonophthalein elimination, and hydrogen ion concentration of urine. Two lectures and four laboratory hours per week, second semester of the second year. Professor HASKINS.

*Four credit hours.*

## 6. MEDICINE CLINIC

A clinic devoted chiefly to instruction in the essentials of theoretical and practical medicine. One hour a week, entire fourth year. St. Vincent's Hospital. Professor BELL.

*Two credit hours.*

## 7. MEDICINE CLINIC

A clinic of internal medicine confined to the Senior year. Two hours a week entire fourth year. St. Vincent's Hospital. Assistant Professor GILBERT.

*Two credit hours.*

## 8. MEDICINE CLINIC

A clinic paying especial attention to pathology and diagnosis. Four hours a week, entire fourth year. Multnomah Hospital. Professor YENNEY, Dr. SHORT.

*Four credit hours.*

## 9. MEDICINE LECTURE

A clinic or lecture in medicine with special stress on diseases of the stomach and intestines. One hour a week, first semester, fourth year. Elective. Assistant Professor KOHLER.

*One credit hour.*

## 10. LECTURE AND CONFERENCE IN MEDICINE

A lecture course with frequent quizzes on the more important and more prevalent diseases. Three hours a week, second semester, fourth year. PROFESSOR BELL.

*Three credit hours.*

## 12. DIETETICS

A course involving the values of food and the methods of variance of foods in certain diseases. One hour a week, first semester, third 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. One hour a week, first semester, fourth year. Dr. WALKER.

*One credit hour*

## 14. CLINIC

Clinic for third and fourth year students at St. Vincent's Hospital. Two hours a week, both semesters. Dr. COFFEN.

*Two credit hours.*

## 15. CLINIC

Clinic for fourth year students at St. Vincent's Hospital. Two hours a week, both semesters. Drs. FENTON and LOUNDAGIN.

*Two credit hours.*

## 16. CLINIC

Clinic for third year students at the County Hospital. Two hours a week, second semester. Dr. BRISTOW.

*Two credit hours.*

## 17. CLINIC

Clinic for fourth year students at Good Samaritan Hospital. Two hours a week, both semesters. Dr. MARSH.

*Two credit hours.*

## 18. 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. Eight hours a week, both semesters, third year. Dr. MYERS, Dr. ROSENFELD, Dr. RICE, Dr. HAYES.

## 19. 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 SELING, Assistant Professor KNOX, Assistant Professor COFFEN, Dr. BRILL.

*Two credit hours*



## 2. DISEASES OF INFANCY AND CHILDHOOD

A conference and lecture course in diseases of infancy and childhood. Three hours a week, both semesters, fourth year. Professor BILDERBACK. *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. Four hours a week, both semesters, third year. Professor BILDERBACK, Dr. ROSENFELD, Dr. HALL, Dr. CHIPMAN, Dr. MOORE.

Beginning October, 1919, one lecture per week will be presented during the first semester, one lecture and two hours of bedside clinical instruction during the second semester of the third year. In the fourth year two hours per week will be devoted to didactic instruction and two hours in clinical clerkship throughout the year.

## IX. SURGERY

Professor WILSON

Associate Professor ZAN

Assistant Professor BAIRD      Assistant Professor ELSE

Acting Assistant Professor COFFEY

Acting Assistant Professor HOLDEN

Associates in Surgery:

Dr. HAMILTON      Dr. PEASE      Dr. PAUL ROCKEY

Dr. MCCLURE      Dr. A. C. SMITH      Dr. ZIEGLER      Dr. NORDEN

Acting Associates in Surgery:

Dr. PETTIT      Dr. SOMMER

Instructors in Surgery:

Dr. JESSOP      Dr. SHEA      Dr. WATKINS      Dr. CARL ROSS      Dr. WADE

Dr. EUGENE ROCKEY      Dr. HYNSON      Dr. KAISER

Acting Instructors in Surgery:

Dr. BARBEE      Dr. STEARNS      Dr. TROMMALD

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. Two hours a week, both semesters, third year. Assistant Professor HOLDEN.

1a, first semester, two credit hours.

1b, second semester, two credit hours.

## SURGICAL CLINIC

Minor surgery is taught clinically by demonstration of technique in elementary surgery, bandaging, care of the injured, etc. One hour a week, second semester, second year. St. Vincent's Hospital. Dr. STEARNS. *One-half credit hour.*

## 3. SURGICAL CLINIC

The class is divided into sections, insuring individual instruction. One hour a week both semesters, fourth year. Associate Professor ZAN: St. Vincent's. Dr. HAMILTON: Good Samaritan.

*One-half credit hour.*

## 4. SURGICAL CLINIC

The class is divided into small groups and assigned to the surgical clinics at St. Vincent's Hospital, The Portland Surgical Hospital and The Portland Sanitarium. Each student takes an active part in the operation and is given practical instruction by the surgeons in charge. In some cases each student is furnished with a type-written history of the case presented.

Six hours a week, entire fourth year. Acting Assistant Professors COFFEY and HOLDEN; Acting Associates SOMMER and PETTIT.

*Three credit hours.*

## 5. FRACTURES AND DISLOCATIONS

A didactic presentation of the surgical treatment of fractures and dislocations, together with the surgery of other diseases of the bones.

Two hours a week, first semester, fourth year. Professor WILSON.  
*Two credit hours.*

#### 6. SURGICAL CLINIC

A clinic is general surgery with especial attention to surgical pathology. One hour a week, entire fourth 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. Two hours a week, both semesters, fourth year. Emmanuel 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. Two hours a week, second semester, fourth year. Assistant Professor BAIRD.  
*Two credit hours.*

#### 8. ORTHOPEDIC SURGERY

A lecture and clinical course in orthopedic surgery. Two hours a week, second semester, third year. Dr. McCLOURE.  
*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. Three hours a week, second semester, fourth 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. Six hours a week, both semesters. Assistant Professor ELSE.

#### 11. SURGICAL CLINIC

Divisions of the class are instructed in surgical clinics at Emmanuel Hospital, emphasis being laid on the pathological features

of the case. Two hours a week, both semesters, fourth year. Assistant Professor ELSE, Acting Instructor TROMMALD.  
*One credit hour.*

#### 12. WARD-WALKS IN SURGERY

The students in small sections of the class are given bedside instruction in the after-care of surgical cases. One hour a week, both semesters, fourth year. Drs. JESSOR and ROSS.  
*One-half credit hour.*

#### 13. ANAESTHESIA

A course in the physiologic effects and the technique of administration of anesthetics. One hour a week, first semester, fourth year. Dr. BROWNING.  
*One credit hour.*

### GENITO-URINARY DISEASES

Professor MACKAY

Assistant Professor WHITESIDE

Dr. HOWARD

Diseases of the genito-urinary tracts 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. Two hours a week, second semester, third 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. Two hours a week, first semester, fourth year. Professor MACKAY.  
*Two credit hours.*

#### 3. DISPENSARY WORK IN GENITO-URINARY DISEASES

Will be assigned as a part of the work in the dispensary. Assistant Professor WHITESIDE, Dr. HOWARD, Dr. GILBERT.



## 4. CLINIC

A clinic in the pathology, diagnosis and treatment of genito-urinary diseases, and the use of the cystoscope and other diagnostic appliances. One hour a week, second semester, third year, one hour a week, first semester, fourth year. Professor MACKAY and Assistant Professor WHITESIDE. *One-half credit hour.*

## OPHTHALMOLOGY, OTOTOLOGY, RHINOLOGY, AND LARYNGOLOGY

Professor NUNN	Professor DICKSON	Dr. COGHLAN
Dr. RALPH FENTON		Dr. KIEHLE
Dr. AINSLIE	Dr. KIDD	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. One hour a week, second semester, third 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. One hour a week, second semester, third year. Dr. KIEHLE. *One credit hour.*

## 3. DISEASE OF THE EYE

An advanced course of lectures and clinics in the pathology, diagnosis and treatment of affections of the eye. Two hours a week, first semester, fourth year. Professor DICKSON. *Two credit hours.*

## 4. DISEASES OF THE EAR, NOSE AND THROAT

A more advanced course in the diseases of the ear, nose and throat. Two hours a week, second semester, fourth year. Dr. COGHLAN. *Two credit hours.*

## 5. CLINIC

A clinical course in diseases of the ear, nose and throat at Multnomah Hospital. One hour a week, entire fourth 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. Four hours a week, both semesters, third year at the Free Dispensary. Dr. DAVIS, Dr. FRENCH, Dr. KIDD.

## 7. REFRACTION

A course in simple refraction open to senior students and graduates in medicine. Hours to be arranged. Professor DICKSON.

## X. OBSTETRICS

PROFESSOR LABBE

Dr. NOYES

Assistant Professor McCUSKER

Dr. SCOTT

Dr. BOOTH

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. Three hours a week, first semester, third year. Professor LABBE 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. Three hours a week, second semester, third year. Professor LABBE 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. One hour a week, first semester, fourth year. Dr. NOYES.

*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 LABBE.

(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 fourth year. Professor LABBE, Assistant Professor McCUSKER, Dr. SCOTT, Dr. NOYES, Dr. BOOTH.

## 5. ANTE- AND POST-PARTUM CARE

Small sections of the senior class are given individual instruction on methods of examination, measurement and general care of obstetrical patients before and after delivery. Dr. BOOTH.

## GYNECOLOGY

Professor TUCKER

Dr. ZIEGELMAN

Dr. MARY MACLACHLAN

Assistant Professor WIGHT

Dr. NORTON

Dr. E. M. WICKSTROM

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. Two hours a week, second semester, third year. 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. Two hours a week, first semester, fourth 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, Dr. NORTON, Dr. MACLACHLAN, Dr. WICKSTROM.

## SCHOLARSHIPS

One free scholarship and two half-scholarships in the Medical School are open to students in the preliminary medical courses in the University. The full scholarship carries full tuition and the half-scholarship, one-half the tuition. The tenure of each scholarship is two years.

These scholarships are awarded on the basis of high standard of work in pre-medical subjects, and preferably to those students who have completed four years at the University, with the A. B. or B. S. degree; next, to those in the Seven-Year Combined Course who have completed the first year in the Medical School; and lastly to those of exceptional merits who have finished three years at the University and who are candidates for the B. A. degree.

Application for scholarships must be in the hands of the Committee on Scholarships at Eugene not later than April 10th, of each year. Awards will be made by May 1st.

## FULL SCHOLARSHIPS

CLINTON H. THIENES, B. A.

WILMOT C. FOSTER, B. A.

JOSEPH DWIGHT WILSON

## HALF SCHOLARSHIPS

FRANK H. CAMPBELL, B. A.

IRA A. MANVILLE, B. A.

WALTER E. NICHOL

RIETA CAMPBELL HOUGH, B. A.

Six positions as student assistants in the laboratory branches are open to all students. These positions carry a salary of one hundred and fifty dollars per session, and scholarship and special qualification are considered in their allotment. Application for these positions must be made in writing to the Dean, and such application is subject to the approval of the instructor under whom the applicant contemplates serving.

#### RULES OF THE FACULTY

Attendance upon 80 per cent of the exercises in each subject is required in order to receive full credit for that subject.

All students are required to be in actual attendance within the first week of the session and thereafter.

No results of examinations shall be announced to students except from the Dean's office.

Cheating or any act of dishonesty during an examination shall be cause for immediate suspension of a student from classes, pending action of the Faculty, and upon sufficient evidence expulsion will follow.

The Dean shall have authority to summarily suspend any student for disorderly conduct, immorality, insubordination, or persistently poor class work, and to refer the case to the Faculty for the further penalty of expulsion.

The Dean shall have the right to reject any applicant for admission.

Visitors must not be shown about the Medical School building without permission from the office, or an invitation from a member of the Faculty.

Any student, in order to remain in school, must secure during the year at least one half of the total credit hours for which he is registered during the year, without the privilege of re-examination in those subjects in which he has failed or been conditioned.

A condition counts as a failure to receive credit.

Credit must have been received in at least one-fourth of the total number of credit hours taken by the student for any given semester; failure to do so will result in suspension from the school for one semester, and he must repeat the work of that semester.

No student shall be permitted to register for the work of the second, third or fourth years until he has received credit for at least three-fourths of the total number of credit hours for which he was registered during the previous year.

No degree of M. D. will be conferred upon those already holding the degree of Doctor of Medicine.

No matriculant will be accepted for work in the clinical departments who is not a graduate in medicine.

No student in the Medical School will be allowed, during the school year, to serve in any capacity requiring time until the beginning of the Senior year, excepting as prescribed and authorized by the Faculty.

#### EXAMINATIONS

Each instructor shall give a written examination at the end of his course. A final examination on the entire subject will be given by the head of the department at the completion of the course.

A percentage grade of at least 75 must be secured in each subject in order to receive credit. This grade is based upon the general character of the work, in quiz and laboratory, and the final examination.

A grade between 60 and 75 means a condition in the course involved, which requires that a second examination must be taken.

In all re-examinations no grade over 75 will be given; the student either passes or fails.

A condition of more than one year's standing, without re-examination, is a failure.

A grade below 60 is a failure, and necessitates repetition of the course in which it was received.

Fourth year students are required to pass in all subjects before receiving the degree of Doctor of Medicine. Conditions received in the fourth year, not to exceed two, may be removed by re-examination at the beginning of the following session, and, if removed, the student will receive the degree at the next succeeding commencement.

Candidates for the degree of Doctor of Medicine shall be subjected to a final examination in every course for which they are registered during the second semester of the fourth year.

## ALUMNI ASSOCIATION

The Alumni Association, Medical School, University of Oregon, made up of the graduates of the merged schools, is a strong organization working for the interests of students and graduates and encouraging scientific and professional progress among its members and the medical profession; it is working with the Faculty to build up in Portland a great medical center; it is lending its aid in every way possible for the benefit of the medical profession.

The Alumni Association holds each year an annual meeting in June. The meeting lasts three full days and includes papers, clinics and the business meeting and banquet. Many out of town physicians attend these meetings. All members of the profession are cordially welcome to all sessions. The proceedings of the meeting are published and sent to all members.

All graduates and past and present instructors of the medical schools of the University of Oregon and Willamette University are eligible to membership. The dues are one dollar a year.

## OFFICERS—1919-20

Dr. Albert A. Witham, '96, Portland, Ore.....President  
 Dr. Louis Buck, '97, Portland, Ore.....First Vice President  
 Dr. Carl J. Hoffman, '07, Woodland, Wash.....Second Vice Pres.  
 Dr. Adalbert G. Bettman, '07, Portland, Ore.....Third Vice Pres.  
 Dr. James L. Wooden, '06, Clatskanie, Ore.....Fourth Vice Pres.  
 Dr. Katherine C. Manion, '03, Portland, Ore.....Treasurer  
 Dr. George A. Cathey, '09, 810 Morgan Bldg., Portland, Ore....See 'y

## SCHOOL OF MUSIC

## FACULTY OF THE SCHOOL OF MUSIC

P. L. CAMPBELL, B. A., LL. D., President of the University of Oregon.  
 JOHN J. LANDBURY, Mus. D., Dean School of Music and Professor  
 of Pianoforte and Composition.  
 \*JOHN STARK EVANS, A. B., Professor of Pianoforte and Organ.  
 JANE SCOTFORD THACHER, Professor of Pianoforte.  
 GEORGE PAYNTER HOPKINS, Assistant Professor of Pianoforte.  
 LELAND A. COON, A. B., Assistant Professor of Pianoforte and Organ.  
 ALBERT LUKKEN, B. S., Professor of Singing.  
 MARTHA E. FINDAHL, Professor of Singing.  
 REX UNDERWOOD, Professor of Violin.  
 † ROSS HICKERNELL, F.C.M., A.C.M., Professor of Band Instruments.  
 ANNA LANDBURY BECK, A. B., Professor of Public School Music.  
 INA M. WATKINS, Instructor in Pianoforte.  
 AURORA POTTER, Instructor in Pianoforte.  
 FRANK V. BADOLLET, Professor of Flute.  
 \*ELEANOR LEE, A. B., Assistant Professor of Singing.

## PORTLAND DIVISION

DAVID B. CAMPBELL, Professor of Pianoforte.  
 ABBIE WHITESIDE, Professor of Pianoforte.  
 JOHN CLAIRE MONTEITH, Professor of Singing.  
 PAULINE MILLER CHAPMAN, Professor of Singing.  
 FRANCK EICHENLAUB, Professor of Violin.  
 SUSAN FENNEL PIPES, Professor of Violin.  
 WILLIAM BOONE, Professor of Organ, Pianoforte and Composition.  
 CARL DENTON, Professor of Organ, Pianoforte and Violin.  
 WILLIAM H. BOYER, Professor of Public School Music.

\*On leave of absence.

† Resigned.

## 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 OF INSTRUCTION

The following courses are offered:

1. A major subject for the degree of Bachelor of Arts.
2. A course leading to the degree of Bachelor of Music.
3. A course leading to a certificate in public school music.

## MUSIC AS A MAJOR SUBJECT FOR THE DEGREE OF BACHELOR OF ARTS

The courses listed for credit under the department, "The Science and History of Music" and six term hours of applied music are available for this purpose.

The Arts degree is recommended for all students desiring a broad foundation upon which future intensive specialization may safely rest. While the amount of credit received for applied music is small, it should be noted that entrance requirements of a musical nature are waived. Two private half-hour lessons per week with the accompanying practice are counted as one hour of credit. This arrangement permits two full years in the upper division to apply toward the A. B. degree.

## COURSE LEADING TO THE DEGREE OF BACHELOR OF MUSIC

As in the degree of Bachelor of Arts, 180 term hours and the prescribed physical training are required. The main difference between the two degrees is that more credit for applied music is allowed toward this degree, hence it is more suitable for those wishing to begin specialization at an earlier date.

	Piano hours	Voice hours
Major subject, piano, organ, stringed instruments, etc...	72	
Major subjects, voice .....		36
Minor subjects .....	9	9
Science and History of Music and allied subjects .....	30	30
Modern Language .....	27	
Modern Language (including one year of Italian) .....		48
English .....	9	9
Electives .....	33	48
Physical Training .....	6	6
<b>Totals .....</b>	<b>186</b>	<b>186</b>

In case a student majors in voice or violin, his minor subjects must be piano or organ.

In case he majors in organ, his minor subject must be voice, with an additional minor in piano.

Minor subjects may be continued as elective and in special cases a reasonable number of these excess hours will be deducted from the major requirements.

The student is urged to choose his electives from the College of Literature, Science and the Arts.

A public recital from memory is required of all the candidates for the degree of Bachelor 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, Coneone op. 9, Panofka op. 85, or their equivalent.

Upon entrance of 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.

#### COURSE LEADING TO A CERTIFICATE IN PUBLIC SCHOOL MUSIC

In this course it is assumed that Public School Music is not a different kind of music and that "methods"—patented or otherwise—can never take the place of a knowledge of the thing to be taught. The student acquires his knowledge of the Science, History and Practice of Music, Pedagogy and other necessary subjects in regular course of the University. There is but one special course for the prospective Public School Music teacher. This is labelled for identification, "Public School Methods" and is listed as Course 12. It aims to assemble those things which a public school music teacher ought to know and to fuse and point them to a special purpose. The following are the minimum requirements for a certificate:

Ability to read and play moderately difficult choruses or accompaniments.

Two years' instruction in singing.

The elements of Musical Science, three terms.

Analysis of Music, two terms.

Musical History, three terms.

Sight Singing, three terms.

Public School Methods.

History of Education.

Principles of Education.

Choir experience.

Practice Teaching and Directing. This is afforded by the University High School, the Eugene public schools and the sight singing class.

#### DESCRIPTION OF COURSES

##### THE SCIENCE AND HISTORY OF MUSIC

The courses in the Science and History of Music and related subjects are described in detail under the heading of Music among the other Departments of Instruction.

##### PIANOFORTE

The object of this course is to acquaint the student with the best literature of the instrument and to provide for him a technique which will be adequate for its expression. It is impossible to outline a formal course specifically covering each year which will meet the needs of all students. Instruction is given privately and is directed to the goal of well-rounded musicianship. Through the course, daily technical work is insisted upon. This takes the place of scale, chord, arpeggio and octave work, together with special problems, such as melody playing, double notes, etc. The following standard works are drawn upon, but others are selected when it is evident that they will better serve the immediate purpose:

Czerny, op. 299, 740, 335, 365.

Heller, op. 45, 46, 47, 16.

Loeschhorn, op. 67, 176.

Cramer, 50 selected studies.

Haberbier, op. 53, 59.

Jensen, op. 32.

Clementi Gradus.

Preyer, op. 35.

Kullak, op. 48.

Moscheles, op. 70, 73.

Moscheles Preludes.

Mozart Sonatas and Concertos.

Beethoven Sonatas and Concertos.

Chopin Etudes.

Schumann Etudes Symphoniques

Liszt Etudes Transcendentals.

Paganini-Liszt Etudes.

Alkan Etudes.

Bach Two and Three Part Inventions, Prelude, Fugues, etc. Well Tempered Clavichord.

Selections from the works of Mendelssohn, Schumann, Schubert, Chopin, Brahms, MacDowell, Liszt, Ravel, Debussy, etc.

Concertos by Grieg, Saint-Saens, Schumann, Liszt, Chopin, Tchaikowski, etc.

As evidence of completion of this course, the student must give a public recital from memory which will conform, in the essentials, to the program suggested below:

- A Prelude and Fugue from the Well Tempered Clavichord.
- A Sonata of Beethoven, Schumann or Brahms.
- A Group of Romantic and Modern Compositions.
- A Brilliant closing number.

## SINGING

In outlining a course of study in this department, only a general idea of the work can be given, because so much depends upon the individual ability of the student. To prescribe a fixed, inflexible schedule would be unwise, if not altogether impossible. The purpose of the course outlined below is to perfect the voice, and to establish musical understanding which will give the student independence and an ability to interpret music truthfully.

**First Year**—Practical tone work for the establishing of the ideal tone—known in general as "voice placing."

**Second Year**—Progressive tone work. Simple arias and English songs are given.

**Third Year**—Tone work for the further development of the voice. Advanced technique as given in various vocalisms. Arias from the Italian, French and German operas. The study of the Oratorio. A study of German song classics, and the modern French and English songs.

**Fourth Year**—Study for the perfection of vocal technique. During this year much time will be given to equipping the student with an adequate repertoire, and to giving him a general knowledge of the best songs of all periods, and a familiarity with the standard operas and oratorios. During the third and fourth years the student will be given frequent opportunities to sing in public, and at the close of the fourth year a recital will be demanded.

## ORGAN

There are many legitimate ends toward which the study of the organ may be directed. No formal course can be outlined which will have the necessary flexibility. The needs of the individual student will be carefully considered. As in other courses of a similar nature, the literature of the instrument will be utilized whenever possible. Technical work will be condensed and every effort made to thoroughly

familiarize the student with the resources of the instrument. Students must have reasonable facility upon the piano before beginning its study. A beautiful three manual Austin organ is available for practice.

## VIOLIN AND ENSEMBLE

Great stress is laid upon the ability to produce a full round tone with bowing and intonation. The method of instruction used is based upon the teachings of Sevcik and other recognized authorities. The following outline will give an idea of the scope of the course:

**First Year**—Kayser Etudes, Books I and II, Sevcik's "Bowling Exercises." Pieces by Bohm, Cia, Weidig, Papin, Saury.

**Second Year**—Mazas Special Studies, Sevcik's "Bowling Exercises," Sevcik's Exercises preparatory to double-stopping and changing of positions. Dout Etudes, Preparatory to Kreutzer, pieces by Gade, Aulin, Milnarski, Portnoff and Riebler.

**Third Year**—Kreutzer Etudes, Sevcik's Opus 1, Books III and IV. Sonatas by Mozart and Handel. Suite by Ries, pieces by Wieniawski, Saint Saens and Hubay.

**Fourth Year**—Piorillo Etudes, Roels Caprices, Sevcik's Exercises in double-stopping. Concertos by DeBeriot, Viotti, Mendelssohn or Bruch.

## ENSEMBLE CLASSES

All instrumentalists realize the necessity of cultivating facility in sight reading and an ability to play acceptably with others. This need is met with the organization of ensemble classes (small groups of three or four violins, with or without pianos), rehearsing once a week. These classes will be given graded compositions selected from the best classic and modern musical literature, and offer exceptional advantages for drill in sight-reading, technics and interpretation.

## ACCOMPANYING

The study of accompanying is open to piano students of some degree of advancement. The study of violin and piano compositions of a suitable degree of difficulty will be undertaken, with special attention to the playing of sonatas, classic and modern.

## FLUTE

The flute is an instrument of great beauty and splendid possibilities. Aside from its value as a solo instrument, it offers the opportunity through the medium of the band or orchestra, of becoming acquainted with the great musical literature of the world. The following course is offered:

**First Year**—Boehm's system of lip manipulation in *pp* and *ff* passages; *crescendo* and *diminuendo*, ascending and descending; scales; arpeggios. Kochler's Studies, Opus 31, Book I; Arthur Brook's Method, Part II; Schumann's "Traumerei"; Bach's Air in D, etc.

**Second Year**—Trills, turns, grace notes, etc. Double tonguing; silent practice; interpretation; Romantic Etudes, Koehler, Op. 66; Boehm's Studies, Op. 15; Boehm's Studies, Op. 26; Kuhlan duets for two flutes; Allegretto, Godard, Op. 116; Andalousse, Pessard.

**Third Year**—Sight reading; Memorizing; Cadenzas; Triple tonguing; "Flatterzunge"; Harmonics; Auxiliary fingering; Affectation not expression; Boehm's Etudes with piano, Op. 37; Anderson's Studies, Op. 15; Souvenir des Alpes, No. 1, Boehm; Bird in the Forest, Dappler; Kuhlan's trios for three flutes.

**Fourth Year**—General ensemble playing; Obligatos with voice; orchestra playing; Prill's and Barge's Orchestra Studies, Tansposition Schindler, Forty Studies, Book II; Carl Weber, Twelve Exercises; School of Virtuosity, Anderson, Op. 60; Oberon Fantasic, Demersseman; Symphonic Poem, Peter Benait.

## ORGANIZATIONS

## GLEE CLUBS

Two of the most popular student organizations on the campus are the men's and women's glee clubs. The Men's Glee club is composed of twenty members and the Women's Glee Club of twenty-four members. In each glee club one substitute for each part is allowed to practice with the club and to take part in home concerts and all student affairs as a member of the glee club, but does not have the

privilege of taking trips. The position of substitute is competitive, and any member of the club may be assigned at any time to substitute position.

During the school year each club takes a trip of nearly a week's duration, besides several shorter trips. The glee clubs are under the management of the graduate manager of student affairs.

## REGIMENTAL BAND

The Regimental band is open to all players of band instruments who can pass the preliminary examination. The band plays at various athletic contests, rallies and other student affairs.

## UNIVERSITY CHOIR

The University choir is composed of the two glee clubs, and is formed for the purpose of providing adequate music for the University vesper services and for giving its members an opportunity to learn the best in sacred choral music.

## UNIVERSITY ORCHESTRA

An unusual opportunity is offered to members of the University Orchestra in the acquiring of technical and interpretive knowledge and experience through the rendition of high grade orchestral composition of both classical and modern schools.

This very successful organization is an important factor in the development of discriminating musical taste in its members and in the public at large. The organization gives a concert each season, and assists on various programs given at Eugene.

Members are admitted without fee upon passing a preliminary examination. One semester hour of credit per year is granted for regular attendance at orchestra rehearsals.

## EXPENSES

## RATES OF TUITION

The school year is divided into three terms of twelve weeks each. Private lesson periods are one-half hour. The following rates are for the term.



	One lesson per week	Two lessons per week
PIANO AND ORGAN		
Dean Landsbury, Mr. Evans, Mrs. Thacher.....	\$25.00	\$45.00
Mr. Hopkins .....	22.50	40.00
Mr. Coon .....	17.50	35.00
Miss Watkins, Miss Potter.....	12.50	24.00
VOICE		
Mr. Lukken .....	\$25.00	\$45.00
Miss Findahl .....	22.50	40.00
VIOLIN		
Mr. Underwood .....	\$25.00	\$45.00
FLUTE		
Mr. Badollet .....	\$22.50	\$40.00
SCIENCE AND HISTORY OF MUSIC AND PUBLIC METHODS		
Class lessons (2 and 3 per week) .....	\$ 9.00	
Private lessons .....	\$22.50	\$40.00
ENSEMBLE		
Class lessons (3 or 4 in class) .....	\$ 9.00	
ACCOMPANYING		
Private lessons .....	\$ 9.00	
SIGHT SINGING		
Class lessons .....	No tuition fee.	
RENT OF PIANO OR ORGAN		
Piano, one hour per day, per term of twelve weeks .....	\$3.00	
Piano, one-half hour per day, term of twelve weeks .....	\$1.75	
Over two hours, per hour per term .....	\$2.50	
Organ practice per hour .....	\$0.30	

## IMPORTANT INFORMATION

In the interest of good service and good results, the following rules (generally observed throughout the country) have been adopted: Tuition is payable strictly in advance.

No refunds will be allowed in the case of tuition for class work.

No tuition will be refunded for private lessons missed excepting in case of protracted illness, when the School will share the loss equally with the student.

Lessons missed by teacher will always be made up.

As a matter of courtesy, teachers will be found ready to accommodate students whenever possible.

The School of Music follows the University calendar, the rates of tuition taking account of vacation periods.

## SELF HELP

There are many ways in which a student may help himself while attending the University. It is much easier of course to arrange such things after entering but information along this line may be had by addressing the secretaries of the University Christian Associations.

## THE PAUL ALLEN CLAWSON MEMORIAL SCHOLARSHIP

This scholarship is awarded to that student in the Upper Division who has been conspicuous for personal worth and achievement. Information may be had upon request.

For information in regard to living and incidental expenses and for special Music Bulletin, address the Registrar of the University.

## SCHOOL OF SOCIOLOGY

## FACULTY

- P. L. CAMPBELL, B. A., LL. D., President of the University of Oregon.  
 FREDERIC G. YOUNG, B. A., Dean of the School of Sociology,  
 Professor of Economics and Sociology.  
 J. FRANKLIN THOMAS, Ph. D., Director of Portland Branch. e  
 JAMES H. GILBERT, Ph. D., Professor of Economics.  
 BURCHARD W. DEBUSK, Ph. D., Professor of Educational Psychology.  
 EDWIN C. ROBBINS, Ph. D., Professor of Economics.  
 PETER C. CROCKATT, M. A., Professor of Economics.  
 ELIZABETH FOX, B. A., Dean of Women, Practical Ethics.

## ORGANIZATION

The School of Sociology was authorized by the Regents of the University in 1919. For a decade the Department of Economics and Sociology on the campus has been active through the Commonwealth Conferences in fostering the spirit of public welfare effort. The available forces for social engineering in the state have been united and kept intent on constructive projects of state building. Now through the organization of the School of Sociology, all of these forces for cooperative commonwealth service will be brought into more effective functioning.

Sociology embodies the results of systematic effort toward the identification and definition of the tendencies upward in human living. The late drastic experience of the world and the present state of confusion in economic, political and racial interrelations indicate clearly the need of better coordination in human relationships. The accelerated pace of change accentuates the need for more adequate attention to the principles and programs of guidance in community, state and international life. Under these conditions a university agency would hardly be adequately anticipating the needs of the coming polity, if its sociological studies did not present the proportions of a school.

In organizing the University's forces for this service a Division for the training of social workers was naturally established at Port-

land, the metropolis of the state, where the currents of social life are the more congested and the facilities for field or laboratory work are most fully available. The work of this division is well under way and the different lines of activity necessary for training in social service are represented.

## PORTLAND DIVISION OF THE SCHOOL OF SOCIOLOGY

The Portland division is a branch of the School of Sociology of the University of Oregon, and will handle the laboratory and city phases of social work. Its aims are

1. To train professional social workers;
2. To prepare for greater usefulness that large and steadily increasing body of young men and women found in every community who are able to do volunteer social work;
3. To do all it can to keep the general public informed and at work upon its social problems.

This social service branch of the new school aims to send forth its students well grounded alike in theory and practice. With this end in view, one half of the student's time will be devoted to class work and study, and the other half to the doing of real social work under expert supervision.

It is generally recognized today that social work should not be undertaken without preliminary training in the field, and every effort will be made to make this part of the work a genuine apprenticeship comparable to the internship of the young doctor and the hospital work of the pupil nurse.

To those whose previous training is sufficient, the degrees of B. A. and M. A. will be granted by the University. Others will receive the certificate of the school on completion of the course.

The Portland division is fortunate in having the hearty co-operation of the strongest social welfare organizations in the Northwest, the number including the Visiting Nurse Association, the Oregon Tuberculosis Association, the War Camp Community Service, the

Public Welfare Bureau, the Northwest Division of the American Red Cross, the Social Worker's Club of Oregon, the People's Institute and Free Dispensary, and the Court of Domestic Relations. Several of these organizations have promised to furnish trained supervisors for the field work, thus affording the student unexcelled opportunities for practical work under splendid auspices and competent supervision.

### SCHEDULE OF COURSES

#### REQUIRED

**Social Economy**—A survey of the social economy of ancient peoples, of early Christian and medieval charity, and of the English and American poor laws, to show the relationships between the social policies of past and present. A study of the effects of the French revolution and of the industrial revolution upon modern society. In the third quarter social insurance, sickness insurance, old age pensions, workmen's compensation, mothers' pensions, factory pensions, factory legislation and other programs will be discussed.

Students who have taken college courses covering the subject matter of this course may elect an equal number of hours from the subjects in Group I. *Three hours throughout the year.*

**Types and Methods of Social Work**—A study of the content, aims and methods of modern social work. The course covers such types as neighborhood and settlement work, recreation, housing, hospital social service, the prevention of feeble-mindedness and insanity, family and child welfare, the treatment of adult and juvenile delinquency, among others. An attempt will be made to measure the achievements of social work in terms of social progress. *Three hours throughout the year.*

#### ELECTIVE

Group I—Elect two hours each quarter from this group.

Ethics.	<i>Two hours.</i>
Government and Administration.	<i>Two hours.</i>
Education for Citizenship.	<i>Two hours.</i>
Public Institutions.	<i>Two hours.</i>
Industrial Problems.	<i>Two hours.</i>
Problems of Child Growth.	<i>One hour.</i>
Problems in Social Education.	<i>One hour.</i>
The Physical Basis of Heredity.	<i>One hour.</i>
Abnormal and Borderline Psychology.	<i>One hour.</i>
Public Health.	<i>One hour.</i>
Social Applications of Psychology.	<i>One hour.</i>
Public Information.	<i>One hour.</i>

Group II—Elect one. Each requires fourteen hours of supervised field work in addition to two hours of class work.

1. **Family Social Work**—Supervised by the Public Welfare Bureau.
2. **Public Health Nursing**—Supervised by the Visiting Nurse Association.
3. **Community Organization**—Under Community Service Supervision.
4. **Juvenile Delinquency**—Under the Court of Domestic Relations.

## EXTENSION DIVISION

The modern state university is coming to be regarded more and more as belonging to the people at large who support it, organized and administered to serve their higher educational interests. The University of Oregon recognizes that it is responsible for more than the instruction of the students who come to its immediate campus; that its wider duty is to provide for the people of the state opportunities to acquire educational benefits from its faculty and other repositories of organized information and instruction, and to communicate to them truth discovered through research and original investigation.

The Extension Division holds itself out as the distributing agency for educational material which the University has been able so far to organize for the use of the general public. It is further the University's active representative in the state, serving in every way those who cannot attend educational institutions, stimulating and guiding them in their efforts to acquire a better education. Through some one or more of the several activities of the Extension Division here described every person in the state may connect with the University.

## EXTENSION ORGANIZATION

The Extension Division is organized at the present time in two departments upon the basis of its two major interests; the department of Extension Teaching, and the department of Social Welfare. The department of Extension Teaching concerns itself with instruction, through correspondence study, extension classes in Extension Centers, and the work of the Teachers' Reading Circle. The other activities of the Division, including the Visual Instruction Service, the Lecture Service, and the Bureau of Public Discussion are administered through the department of Social Welfare.

## FACULTY DEPARTMENT OF EXTENSION TEACHING

- PRINCE L. CAMPBELL, B. A., LL. D.  
President of the University.
- EARL KILPATRICK, B. A.  
Director of the Extension Division.  
On leave of absence to serve as director of bureau of development, Northwestern Division, American Red Cross, Seattle.
- JOHN C. ALMACK, B. A.  
Acting Director, Extension Division.
- MOZELLE HAIR, B. A.,  
Secretary of Extension Teaching.
- PERCY PAGET ADAMS, B. S.  
Professor of Graphics.
- ERNEST SUTHERLAND BATES, Ph. D.  
Professor of Rhetoric and American Literature.
- JOHN FREEMAN BOVARD, Ph. D.  
Professor of Zoology.
- WILLIAM PINGREY BOYNTON, Ph. D.  
Professor of Physics.
- ROBERT CARLTON CLARK, Ph. D.  
Professor of History.
- EDMUND S. CONKLIN, Ph. D.  
Professor of Psychology.
- PETER CAMPBELL CROCKATT, M. A.,  
Professor of Economics.
- BURCHARD WOODSON DE BUSK, Ph. D.  
Professor of Secondary Education.
- EDGAR E. DCCOU, M. S.  
Professor of Mathematics.
- JAMES HENRY GILBERT, Ph. D.  
Professor of Economics.
- CELIA V. HAGER, M. A.  
Instructor in Psychology.
- HERBERT CROMBIE HOWE, B. A.,  
Professor of English Literature.

- JOHN J. LANDSBURY, Mus. B., Mus. D.  
Dean of the School of Music.
- ELLIS F. LAWRENCE, M. S.  
Dean of the School of Architecture and Professor of Architecture.
- D. WALTER MORTON, B. D., M. A., C. P. A.  
Dean of the School of Commerce
- MABLE HOLMES PARSONS, M. A.,  
Professor of Rhetoric
- MARY H. PERKINS, M. A.  
Professor of English
- ROBERT W. PRESCOTT, B. A.  
Professor of Public Speaking
- GEORGE REBEC, Ph. D.  
Professor of Philosophy.
- ARCHIBALD FERGUS REDDIE, B. A.  
Professor of Public Speaking.
- JOSEPH SCHAFER, Ph. D.  
Professor of History
- FRIEDRICH GEORGE G. SCHMIDT, Ph. D.  
Professor of German Language and Literature.
- HENRY DAVIDSON SHELDON, Ph. D.  
Professor of Education and Dean of the School of Education
- WARREN D. SMITH, Ph. D.  
Professor of Geology.
- ALBERT RADDIN SWEETSER, M. A.  
Professor of Botany.
- W. F. G. THACHER, M. A.  
Professor of Rhetoric
- IDA V. TURNER, M. A.  
Instructor in Rhetoric
- MARY WATSON, M. A.  
Instructor in English Literature.
- FREDERIC G. YOUNG, B. A.  
Dean of Graduate School and Professor of Economics and Sociology.

## EXECUTIVE STAFF OF PORTLAND EXTENSION CENTER

- \*P. L. CAMPBELL, B. A., LL. D. EUGENE  
President of the University.
- GEORGE REBEC, Ph. D., PORTLAND  
Director.
- \*COLIN V. DYMENT, B. A., PORTLAND  
MARGARET M. SHARP, PORTLAND

## FACULTY AND CLASSES OF THE PORTLAND EXTENSION CENTER.

- A. F. BITTNER, Instructor in Mathematics PORTLAND  
College Algebra.  
Elementary Analysis.
- WILLIAM H. BOYER, Supervisor of Music in the Public PORTLAND  
Schools of Portland  
Choral Singing.  
Methods for Supervisors and Choral Directors.  
Public School Music.
- DAVID CAMPBELL, Instructor in Piano PORTLAND  
Elementary Harmony.
- \*B. W. DEBUSZ, Ph. D., Professor of Education EUGENE  
Problems of Childhood  
The Psychology and Hygiene of Learning.
- C. E. COUCHE, Head of the Couche Advertising Agency PORTLAND  
Advertising.
- \*C. C. EDMONDS, Professor of Commerce. EUGENE  
Business Organization and Management.  
Salesmanship and Sales Management.
- MADAME GEORGE E. FROST, Instructor in French PORTLAND  
Elementary French.  
Intermediate French.  
Advanced French.
- \*C. A. GREGORY, M. A., Professor of Education EUGENE  
Elementary Curriculum.  
Educational Tests.
- \*CELIA V. HAGER, M. A., Instructor in Psychology EUGENE  
Elementary Psychology.  
Abnormal and Borderline Psychology.  
Social Applications of Psychology.

\* Members of the Faculty of the University of Oregon.

FRANK HILTON, A. B., LL. B., Lawyer Business Law.	PORTLAND
(H)ESTER T. KRONENBERG, B. A., Accountant with Whitfield, Whitecombe & Co. Principles of Accounting. Cost Accounting.	PORTLAND
*JOHN LANDSBURY, Mus. D., Dean of the School of Music Professor of Pianoforte and Composition Elementary Harmony. Music Forum.	EUGENE
ELLIS F. LAWRENCE, M. F., Dean of the School of Architecture Architectural Design.	EUGENE
*D. WALTER MORTON, M. A., C. P. A., Dean of the School of Commerce Solution of C. P. A. Problems.	EUGENE
MABLE HOLMES PARSONS, M. A., Professor of English Nineteenth Century English Poets. Recent Fiction. The Short Story. Aesthetics.	PORTLAND
(GEORGE REBEC, Ph. D., Professor of Philosophy Ethical Evolution. Seminar in Plato's Republic. The Chekhoslovak Epic. Some Chapters in a Forgotten Great History.	PORTLAND
*A. F. REDDIE, B. A., Professor of Public Speaking Play Producing, Course 1 Play Producing, Course 2	EUGENE
EDWIN C. ROBBINS, Ph. D., Professor of Economics and Sociology. Labor Legislation.	EUGENE
*JOSEPH SCHAFER, Ph. D., Professor of History Social and Civic History of the United States. Great Historians. Seminar in History.	EUGENE
H. J. SEARS, M. D. Public Health.	PORTLAND
HELEN MILLER SENN, Professor of Public Speaking Fundamentals of Speaking. Practical Course in Extemporaneous Speaking. Advanced Dramatic Interpretation. The Vocal Organ and the Voice.	PORTLAND

\* Members of the Faculty of the University of Oregon.

*HENRY D. SHELDON, Ph. D., Dean of School of Education Problems in Social Education. Masters of Historical Synthesis.	EUGENE
*ANTOINETTE SHUMWAY, B. S., Instructor in Household Arts FRANKLIN THOMAS, Ph. D., Director of the Portland School of Social Work Social Economy. Types of Social Work. Public Institutions.	PORTLAND
*LILLIAN TINGLE, Professor of Household Arts. SENOR A. RAFAEL VEJAR, Consular Representative of Spain, Mexico, Chile and Peru Elementary Spanish. Intermediate Spanish. Advanced Spanish.	PORTLAND
F. M. WARRINGTON, Professor of Commerce Commercial French, (beginning class) Commercial French, (advanced class) Commercial Spanish, (beginning class) Commercial Spanish, (advanced class)	PORTLAND
G. W. WILDER, Ph. D., Instructor in Science Elementary Electricity and Magnetism. Advanced Alternating Current Theory.	PORTLAND
ESTHER W. WUEST, Director of Art Instruction in the Portland Public Schools Composition and Design. Lettering and Manuscript Writing.	PORTLAND

\* Members of the Faculty of the University of Oregon.

#### DEPARTMENT OF EXTENSION TEACHING

MOZELLE HAIR, Secretary

This department has to do with instruction through correspondence-study, with extension class teaching, and with the teachers' reading circle work.

The University of Oregon provides correspondence courses for citizens of the state who want to study systematically, but who find it inconvenient or impossible to attend an educational institution.

Through correspondence study, courses for graduate and undergraduate college credit and for entrance credit are given in botany (two courses); citizenship (two courses); commerce (one course); debating; architectural drawing (three courses); economic and sociology (nine courses); education (sixteen courses); English (eight courses); geology (two courses); German (first two years); history (six courses); literature (nine courses); mathematics (twelve courses); philosophy; physics (five courses); physiology; psychology (three courses); and zoology (bird study).

In cooperation with the Oregon State Normal school a series of courses has been outlined which will enable teachers to complete approximately one-half year of Normal work through correspondence. Credit earned in these courses included in this series are: the American Republic, American political history, contemporary English novelists, elementary physiology, elementary psychology, teaching principles, and child study.

The following new courses have been recently prepared and are now ready for use: Recent Economic and Social Changes in England and America; Child Welfare Problems; Foundations of American Citizenship; the American Republic; Teaching the Great War. Courses in preparation include: Community Problems; Commercial Spanish and French; Foreign Trade; Loans and Investments, and Salesmanship.

The Extension Division issues a special catalog of correspondence 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 and request the services of an instructor. As this work must be done largely by regular campus instructors during hours taken from their leisure, the number of such classes that can be given is limited. Successful classes have been held in Portland, Salem, Albany, Astoria, Oregon City, Springfield, Roseburg, Marshfield, Pendleton, La Grande, Baker and Eugene.

#### TEACHERS' READING CIRCLE

Reading circle work for Oregon teachers is based upon books chosen by the State Superintendent of Public Instruction. Every

teacher in the state not engaged in teaching within a first-class district is required to do this work. Outlines and questions prepared by the Department of Extension Teaching 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 county superintendents throughout the state as evidence of compliance with the statutory requirements on the part of the teacher submitting it.

A new plan of offering correspondence courses for credit on the basis of reading circle books is proving very successful. During the year 1919-1920 four courses are being offered, each of which is based upon two books from the current reading circle list. The satisfactory completion of any one will entitle the teacher to the two reading circle certificates required for the professional certificate and to one semester hour university credit. The four courses are: Methods of Teaching (elementary); Secondary Methods; Rural School Management and Health Education; and Sociology.

For the list of the reading circle books for the present year, information concerning the requirements, questions on the books, or additional information about the special courses write to the Secretary of the Extension Division.

#### THE DEPARTMENT OF SOCIAL WELFARE

This is the department through which the University exercises in the extension field its functions of dissemination of the fruits of research and original investigation, and of carrying the work of the University, other than that having to do directly with instruction in extension courses and extension classes in extension centers, directly to the people of the state. The chief activities of the department as they are at present developed have to do with general extension lecture work, visual instruction through educational lantern slides and motion picture films, promotion of public discussion of important social, industrial and educational problems, the development of high school debating interests, community welfare, child welfare, cooperation with the alumni in enlarging the usefulness of the University,

## ORGANIZATION OF THE DEPARTMENT

JOHN C. ALMACK, Acting Director.

JOHN J. LANDBURY, Mus. Bach., Mus. Dr.

Chief of Bureau of Community Music

R. W. PRESCOTT, B. A.

Chief of Bureau of Public Discussion

The extension lecture work for the coming year will be organized to meet the probable demands and needs of groups of people who by reason of their associated interests and special organization provide the University with opportunity for definite and constructive work. Each summer special announcements of subjects of lectures are prepared for distribution giving notice to typical groups of interested persons what lecture service will be at their disposal. The service commends itself to the following standard associations and organizations: teachers' institutes, county and local; parent teacher associations; high school assemblies; literary, dramatic, scientific and musical clubs, and other cultural societies; commercial clubs and business men's associations; labor organizations, and other associations of employes; churches and kindred societies. Lecture lists and other information for prospective users of the lecture service may be had from the Director.

## LECTURERS AND TOPICS

The following is a partial list of available speakers with a suggestive list of titles:

ERIC W. ALLEN, School of Journalism

The Newspaper and the Community

JOHN C. ALMACK, Extension Division

The Making of a Community

The Function of the School

The Reorganization of Rural Schools

The Superior Child

Rural School Problems

Creative Education

E. S. BATES, Department of English Literature

Topics in Literature of Interest to Literary Clubs and  
Drama Leagues

JOHN F. BOVARD, Department of Zoology

Lectures upon Subjects of Biological Interest

EDMUND S. CONKLIN, Department of Psychology

Some Physical Conditions of Mental Efficiency

Worry

Maintaining Mental Poise

Our Mental Inheritance

Some Characteristics of Youth

Technique of Vocational Guidance

PETER C. CROCKATT, Department of Economics

Social and Industrial Reconstruction

Subjects of General Interest in Economics

B. W. DEBUSK, School of Education

Our Physical Unpreparedness

Mental Conflicts and Undesirable Conduct

Mental Hygiene for the Normal Child

The Misfit Child

Factors That Effect Efficient Learning

The Hygiene of the School Environment

E. E. DECOU, Department of Mathematics

Ultimate World Peace and the World War

Twentieth Century Canada

The Teaching of High School Mathematics

Choosing a Life Work

J. H. GILBERT, Department of Economics

Democracy and Education

Chief Obstacles to World Peace

League to Enforce Peace

Taxing the Unearned Increment

Financing a Great War

Syndicalism and the I. W. W.

C. A. GREGORY, School of Education

Educational Measurements

Democracy and Education

Types of Greatness

and many other subjects on educational topics

E. W. HOPE, School of Law

Subjects of Interest to Bar Associations and Commercial  
Organizations

JOHN J. LANDBURY, School of Music

A Peep Into the Workshop of Music

Community Sings

Mathematics of Music

The "How" of Composition

Music and Poetry

A Study in Temperament

And others



- D. W. MORTON, School of Commerce  
The Value of an Education  
Educational Problems in the Reconstruction Period
- MABLE HOLMES PARSONS, Department of Rhetoric  
Social Inhibitions With Relation to Literary Types  
The Need of Little Plays  
Creative Ability in Secondary Schools  
The Spirit of France in Literature
- MARY HALLOWELL PERKINS, Department of Rhetoric.  
Topics in Literature
- H. D. SHELDON, School of Education  
Mob Mind and Its Cure  
Psychology and Pedagogy of Leadership  
Some Superstitions Concerning Schoolmasters  
What History Is Worth While in Education  
Education to Meet German Competition  
American Scholarship in the Present Crisis
- WARREN D. SMITH, Department of Geology  
The Philippine Islands  
China and Japan  
Egypt  
Geological Subjects
- JOHN STRAUB, Department of Greek Language and Literature  
Educational Values  
Service
- W. F. G. TEACHER, Department of Rhetoric  
The Story Teller—His Place in Literature  
The Art of O. Henry  
The Short Story as an Expression of Americanism  
The Genius of Joseph Conrad  
Interpretative Readings from Contemporary Poets—Masters, Masefield, Gibson, Amy Lowell, Oppenheim, Lindsay, and others
- RAYMOND H. WHEELER, Department of Psychology  
Illusions—How Our Senses Deceive Us  
Psychology in Business  
Measurements of Adult Intelligence  
Psychology of the Blind
- FREDERIC GEORGE YOUNG, Department of Economics and Sociology  
Rural Planning and Development  
Full Significance of Adequate Transportation Facilities in Oregon and How They May be Attained  
The Teacher as the Community Engineer

## VISUAL INSTRUCTION

One of the most important and rapidly growing services of the Extension Division is that offered through the Bureau of Visual Instruction to the schools and communities of the state. The visual instruction material consists of stereopticon slides, films, industrial exhibits, rock and mineral sets, and microscopic slides. Many schools and communities of the state possessing lanterns are organized into circuits, weekly slide service being thereby furnished in each district. The slide sets are educational, interesting, and very much worth while. Each set is accompanied by a syllabus, or lecture, prepared under the direction of the Secretary of Social Welfare. One hundred and forty different slide sets have been used within the past year. These are being constantly increased in number and variety. Information, including lists of titles, plans for forming circuits, and the like, may be had from the Director. Those contemplating the purchase of a stereopticon or other projection device may procure information here also.

The film service is also increasing. One hundred and thirty different subjects have been provided for the service so far, and this number will probably be increased for the coming year.

There are now on hand a very creditable number of industrial exhibits, and new subjects are being constantly added. Many of these are the large, fine, very carefully and expensively prepared trunk exhibits furnished through the courtesy of large manufacturers. They are all particularly interesting and of high educational value for both grade and high school pupils. Information will be furnished upon request.

## BUREAU OF PUBLIC DISCUSSION

The purpose of this department is to promote the public discussion of important social, economic, and industrial problems, to suggest problems for study and discussion, and to assist in every way possible in the success of such program. The chief of this bureau is also Secretary of the High School Debating League. Announcements, the special debate catalog, and other information may be had from Mr. Robert W. Prescott, Bureau Chief.

## BUREAU OF COMMUNITY MUSIC

This bureau was newly organized a year ago with Dr. John J. Landsbury, Dean of the School of Music, as Chief. The aims of this department are as follows: To provide a library of musical records for distribution to the schools of Oregon in the manner of the visual instruction service; to promote the holding of "Community Sings," to suggest programs therefor, and to assist in making them a success; to standardize the work of the music teachers of the state, and, in cooperation with the State Music Teachers' Association, of which Dr. Landsbury is now president, to promote a socializing influence through music in the state of Oregon. Information may be had from Dr. Landsbury at the School of Music.

## COMMUNITY PLAYS

With the assistance of the department of public speaking and the library, the University gives assistance to amateur actors and producers of plays. The head of the department of public speaking makes selections of plays suitable for high school production, and the library sends out copies of these plays for examination purposes. A publication giving suggestions in regard to the organization, coaching and producing of plays is also issued. Advice is given as to costumes, and the painting or purchase of scenery. It is sometimes possible to send student actors to give plays in vacations or at week-ends, and to provide assistance in coaching amateurs. Within every community is abundant talent to provide excellent cultural recreational facilities, and it is hoped that the Extension Division may assist in the organization and utilization of this talent in pageant and drama. In this field may be found amusement, recreation, stimulation and instruction for all our citizens.

## BUREAU OF SPECIAL INFORMATION

To assist in fulfilling its purposes, the Extension Division announces a new department; the Bureau of Special Information. That there is a demand for such service is indicated by the many in-

quiries for information regarding school discipline, community surveys and programs, library lists, athletics, child welfare problems, municipal problems, state legislation, play and recreation, drama, references in literature and history, and requests for assistance on many other subjects. Special attention is given to each inquiry and an honest attempt is made to furnish complete and comprehensive information. The Division offers to answer or give expert opinion on any reasonable question that falls within its province.

## 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

(Unless otherwise noted, the members of the faculty of the Summer school are regular members of the faculty of the University of Oregon. With the exception of the President and the acting Director, the names are arranged in alphabetical order.)

- P. L. CAMPBELL, B. A., LL. D., President of University of Oregon.  
 H. D. SHELDON, Ph. D., Dean of the School of Education, Director of the Summer School.  
 JOHN C. ALMACK, A. B., Extension Department, University of Oregon.  
 HARRY E. BARNES, Ph. D., Culture History. The New York School for Social Research, New York.  
 ANNA L. BECK, B. A., Professor of Public School Music.  
 CATHERINE BECKLEY, A. M., Department of Zoology.  
 JOHN F. BOVARD, Ph. D., Professor of Zoology.  
 WILLIAM PINGRY BOYNTON, Ph. D., Professor of Physics.  
 ROBERT CARLTON CLARK, Ph. D. Professor of History.  
 TIMOTHY CLORAN, Ph. D., Professor of Romance Language.  
 E. S. CONKLIN, Ph. D., Professor of Psychology.  
 M. LUCILE COPENHAVER, Department of Mathematics.  
 MABEL CUMMINGS, B. A., Director of Women's Gymnasium.  
 EDGAR DAWSON, Ph. D., Political Science, Hunter College, New York.  
 B. W. DEBUSK, Ph. D., Department of Education.  
 EDGAR E. DECOU, M. S., Professor of Mathematics.  
 H. R. DOUGLAS, B. A., Department of Education.  
 M. H. DOUGLASS, M. A., Librarian.  
 ROSALINA ESPINOSA, A. B., Department of Romance Languages.  
 ELIZABETH FREEMAN FOX, A. B., Dean of Women.  
 ANNA STEWART FOX, B. S., Playground Courses and Pageants, Dongan Hall.  
 LINCOLN R. GRUBS, M. A., Professor of English Literature, University of Pittsburg.  
 J. H. GILBERT, Ph. D., Professor of Economics.  
 VIRGINIA HALES, A. B., Department of Physical Training for Women.  
 P. W. HORN, A. B., Superintendent of Schools, Houston, Texas.

- LAURA RIPLEY MACK, A. B., Methods in Art, Oregon City High School.  
 C. W. MASON, A. B., Department of Chemistry.  
 VICTOR MORRIS, A. B., Department of History.  
 D. WALTER MORTON, M. A., C. P. A., Dean, School of Commerce.  
 E. L. PACKARD, Ph. D., Professor of Geology.  
 CHALMER N. PATTERSON, A. B., Department of Physics, Albany College.  
 HELEN RHODES, Assistant Professor of Drawing.  
 G. M. RUCH, B. A., Assistant Professor of Education, University High School.  
 F. G. G. SCHMIDT, Ph. D., Professor of the German Language.  
 F. L. SHINN, Ph. D., Professor of Chemistry.  
 CARLTON SPENCER, LL. B., Registrar of the University.  
 ELIZABETH T. STOUT, A. B., Librarian, Lewis and Clark High School, Spokane, Washington, Library Work.  
 W. F. G. THACHER, M. A., Professor of Rhetoric.  
 NAOMI WILLIAMSON, A. M., Department of Public Speaking, LaGrande High school.  
 FREDERIC GEORGE YOUNG, B. A., Professor of Economics and Sociology, Dean of Graduate School.

## GENERAL INFORMATION.

## REGISTRATION

The sixteenth annual summer session of the University of Oregon will open Monday afternoon, June 21, 1920, and close Friday, July 30. Students may register Saturday afternoon, June 19, or Monday afternoon, June 21. Classes will meet on Tuesday morning at 8 o'clock.

A single session only or six weeks will be conducted but arrangements have been made to permit regularly enrolled summer school students the use of laboratories and the library for research work, or special study, and on the approval of their major professors credit for this special study may be allowed.

There are certain preliminary arrangements to be made in the way of arranging courses, securing board and lodging, getting the

necessary books, etc., all of which should be attended to, if possible, before class work begins. To be on hand promptly, so as to begin with the regular class is far more satisfactory than to come in a day or two late.

#### DEPARTMENTS OF INSTRUCTION

In the summer session of 1920 instruction will be given in the following departments:

Americanization	Health and Hygiene
Art	History
Athletics	Library Science
Botany	Mathematics
Chemistry	Music
Commerce	Physical Education
Dramatics	Physics
Economics	Psychology
Education	Sociology
English	Social Welfare
French	Spanish
Geology	Zoology

#### FOR WHOM COURSES ARE PLANNED

Professional, cultural and special courses are planned for:

1. Teachers of grammar grades.
2. High school teachers.
3. Principals, city and county superintendents.
4. Normal school teachers.
5. College teachers.
6. Teachers of special subjects.
7. College and University students who wish to earn extra credit towards the B. A. degree.
8. Teachers and others wanting graduate credit, or interested in general improvement.

#### PHYSICAL EDUCATION

Physical training teachers and elementary teachers interested in physical education will find an unusual array of courses especially arranged for their needs. Among these are courses by Miss Mabel L. Cummings, head of the department of physical education for women, covering systematically the requirements in theory and practice for teachers in elementary and high schools, having in mind the demands of the new physical training law in Oregon. Courses designed to prepare teachers to take charge of physical educational departments, and to advance those already teaching, will be offered. Miss Cummings will be assisted by Miss Anna Fox of New York and Miss Virginia Hales. A complete and practical course in coaching of athletics for men will be given. Dr. Bovard will offer courses in systematic physiology, and Dr. DeBusk in child hygiene. The schedule is so arranged that these related subjects may be taken by students who desire to do so. Plays and games and folk dancing will be featured.

#### MUSIC AND ART

The courses in these two fields proved so popular last year that they are offered again. The material selected for emphasis represents the actual and usable achievement of the University high school, and of the Eugene schools. The courses offered by the instructors—Mrs. Beek in Music, Miss Rhodes and Mrs. Mack in Art—are worked out to meet Oregon conditions.

#### GRADE TEACHERS

Grade teachers who desire promotion, higher certificates, credit toward graduation and degrees, and professional growth will find ample opportunities through a combination of strong courses in English, art, history, mathematics, physics, botany, psychology, commerce, French, Spanish and library science and through such courses in education as the "Elementary Curriculum," "The Junior High School," "Tests and Measurements," and "Child Hygiene." A certificate will be given those not desirous of credit.

## HIGH SCHOOL TEACHERS

A great deal of emphasis will be placed upon aspects of socialized education, debate, high school publications, dramatics, athletics, and socialized methods in class room instruction. Opportunities for graduate study will be afforded in each department, and by special arrangement these may be pursued during the six weeks following July 30, and in absentia. Every encouragement possible will be given to research, and to those students who wish to continue study in their specialties.

## PRINCIPALS AND SUPERINTENDENTS

The modern aspects of high school, city school, and county school supervision and administration will be presented by Superintendent P. W. Horn, of Houston, Texas. Courses will be offered in special aspects of these subjects, rather than in the general problems as in the past. Supervision, as such, will be treated separately as will phases of school administration in order to give greater concentration and an opportunity for students to select along the line of their specialties and interests. Among other advanced courses will be one on educational tests and problems, current educational literature, tendencies and problems in education, and a seminar with round table discussions and conferences conducted by Dr. H. D. Sheldon. Dr. Edgar Dawson, one of the leaders in Americanization work, will offer a special course in that field. The departments of sociology, psychology, economics, and history have much to offer school administrators and supervisors. These advanced courses are also open to normal school and college teachers. The educational conference the first week affords an opportunity for an exchange of views on current problems and supplies data for their solution. The leading educators of the state attend these meetings.

## COLLEGE AND UNIVERSITY STUDENTS

Students enrolled during the regular terms in normal schools, colleges and universities will be allowed to take courses for credit towards graduation or a degree to the equivalent of nine hours. It is thus possible to shorten the term of residence required for

graduation. The work in every sense will be of a standard equal to that of any other term.

## ADMISSION

The only requirement for admission will be ability to do the work offered. Candidates for credit must satisfy the entrance requirements as laid down in the University catalog. Applicants for advanced standing should as early as possible furnish evidence of work of university grade completed at other institutions. Admission to specific courses will be determined on the basis of previous training, with consideration given to experience. An attempt will be made in each case to adapt the instruction to the needs and interests of the students.

## GRADUATE COURSES

A special bulletin describes the courses which will be given in the summer school, many of which are offered for graduate credit. A student may meet the residence requirement for a master's degree by completing work in three summer schools equal to 27 term hours. The remaining 18 term hours may be done in absentia.

## EDUCATIONAL CONFERENCES

The annual educational conference will be held in Guild Hall, June 25 and 26. Leaders of educational opinion will be present as guests, and will take part in the programs. Round table discussions will be featured. In 1920 the conferences will embrace the following subjects: Problems in adjusting schools to teacher shortage, vocational guidance, continuation schools, surveys and efficiency standards, and moral education. All interested parties are invited to attend the conferences and to participate in the discussions.

## SCHOOL LIBRARIANS

Two complete courses for school librarians, with special reference to high schools are offered. One of these deals with the technic of library cataloging and the other with the more general problems with which the school and high school librarians are confronted. Mrs. Elizabeth T. Stout, librarian of the Lewis and

Clark high school of Spokane, will have charge of this important work.

#### THE LIBRARY

The University library, containing 100,000 volumes and 25,000 pamphlets and magazines, will be open daily to the students of the summer school. No library fees are charged. Excellent opportunities are here afforded for wide reading and special research. Newspapers and all the leading magazines are available. Special collections of text-books, books on Oregon history, etc., may be consulted at any time.

#### ASSEMBLY

The University has secured the services of Professor Edgar Dawson, field representative for civic education of the American Municipal League, as assembly speaker for the first half of the summer school. Some of Professor Dawson's assembly subjects are "Civics in America," "Pupil Activities as Training for Democracy," "Vocational Civics," "Problems of Democracy in Last Year of High School," "Program of the N. E. A.," "Recent Work of American Historical Association," "Teaching Political Reform and Labor Problems in the Schools," "Place of Elementary Sociology in School Curriculum." In addition to the assembly lectures, Dr. Dawson will offer a course for special students in this field which will provide opportunities for mastering the recent literature of the subject.

Dr. Harry Barnes of New York City will be the second assembly speaker, his topic being "New Elements in the Intellectual Life of the Present." Individual lectures will include such subjects as "New Technological Basis of Intellectual Life," "New Economic Basis of Intellectual Life," "The New Naturalism," "Modern Industrial Democracy and Programs of Social Reform," "Rise of the Newer Social Sciences," "Readjusting Education to New Knowledge and New Needs," etc. For students specially interested in the problems of social and economic adjustments after the war, there will be a three weeks course which will come at the same hour as the special course for teachers of civics offered by Dr. Dawson.

#### PLAYS, GAMES AND EXCURSIONS

The class in play production under the leadership of Miss Williamson will give a number of short plays which will come at the week-end and will be given in Guild hall, the University theater, or out of doors. Ample opportunity for physical exercise, including organized games and swimming, will be provided by the physical training department. A tennis tournament and a baseball series may be confidently expected. Excursions to nearby points, under the leadership of competent guides, are planned for the special benefit of the "hikers."

#### TEACHERS' CLUBS

The students of the summer session of 1918 struck out a new line and organized several voluntary clubs for social and professional purposes. Among these were a woman-teachers' association, a high school teachers' association and a principals' club. An informal weekly banquet facilitates wider acquaintanceship and helps each group to work out its own special problems. Several new group organizations are among the possibilities in 1920.

#### RAILROAD RATES

The railroads have not yet declared themselves on the possibility of reduced rates for summer school attendants. In any event, the student can make no mistake in securing a receipt for the payment of his fare at the time of purchasing his railroad ticket to Eugene. Bring the receipt with you, and if reduced rates can be secured this will enable you to take advantage of them.

#### APPOINTMENT BUREAU

A free appointment bureau is maintained by the school of education for the benefit of teachers and school authorities. Teachers desiring to take advantage of the services of the bureau should register with Professor C. A. Gregory as soon as possible after the opening of summer school. Every possible assistance will be given in aiding teachers to secure positions, and in bringing desirable candidates to the notice of superintendents requesting the assistance of the bureau. Eighty-six appointments were made last year, and over one hundred requests for applicants were made which the bureau was unable to supply. Salaries offered run from \$100 a month to \$3,000 a year.

## DEPARTMENTS OF INSTRUCTION

## ANNOUNCEMENT OF COURSES FOR 1920-1921

Note—Courses numbered from one to ninety-nine are primarily intended for students of the lower division, though they may often be taken as free electives in the upper division. Courses regularly open to freshmen are indicated on the term schedule. Courses numbered from 100 to 199 are primarily intended for students in the upper division, but may be taken by qualified students of the lower division by permission of the instructor. Some of these courses may be counted toward a graduate degree. Courses numbered over 200 are primarily intended for graduate students, but may also be taken by qualified students of the upper division by permission of the instructor.

Detailed information regarding fees in laboratory courses is given in the Schedule of Courses, issued at the beginning of each term.

## ARCHITECTURE AND ALLIED ARTS

NOTE—Courses marked with an asterisk (\*) are open to University students not majoring in Architecture.

## I. ARCHITECTURE

Dean LAWRENCE

Professor ROSENBERG

## LOWER DIVISION

1. **Architectural Design Elements**—The student is taught the relations of composition, mass and line as applied to architecture. Simple problems are drawn and rendered, and the sense of proportion, scale and composition is further developed by the actual making of cardboard models. Lectures and lantern slides on moldings and their proper use in design. *One hour, fall term.*

2a, 2b, 2c. **Architectural Design**—Architectural drawings are made and rendered. The Orders of Architecture are studied and incorporated in the problems. Frequent sketch problems are executed in order to develop facility and resourcefulness in correct design. *Three hours, fall and winter term; four hours, spring term.*

3a, 3b, 3c. **Architectural History**—The student is required to make pencil sketches from lantern slides thrown on the screen. These

sketches are supplemented by notes obtained from lectures and research. Egyptian, Assyrian, Persian, Greek, Roman, and Byzantine styles. *One hour, each term.*

4b, 4c. **Research in Ornament and Style**—The student makes a careful study of the characteristics of a certain style of Architecture and incorporates the results of this study in a carefully rendered drawing. *One hour, winter and spring terms.*

## UPPER DIVISION

101a, 101b, 101c. **Architectural Design**—A continuation of Course 2. Plans, elevations, sections, and perspectives are drawn, rendered, and studied in their relations to one another. Problems are presented in which the consideration of actual conditions of material, location, limitations of environment, etc., must be worked out. As far as possible this is correlated with the courses in City Planning and Domestic Architecture. *Four hours, each term.*

102a, 102b, 102c. **Architectural Design**—A continuation of Course 101, carrying on the practical adaptation of principles of aesthetic and structural design to conditions that arise in building construction. *Six hours, each term.*

103a, 103b, 103c. **Architectural History**—This is a continuation of Course 3, and covers the field of Romanesque, Gothic, Renaissance, and Modern Architecture. *Two hours, each term.*

104a, 104b, 104c. **Research in Ornament and Style**—The student continues the work of Course 4. *One hour, each term.*

105a, 105b, 105c. **Domestic Architecture**—Problems involved in planning residences are studied; such as arrangement of floor plans, site of building, elevations, landscape gardening, interior decoration and furniture, etc. Sketches and rendered drawings are executed. *One hour, each term.*

106a, 106b, 106c. **Specifications and Working Drawings**—A study of building operations and materials to enable the student to write specifications intelligently and concisely. When opportunity offers, actual building operations are visited and methods observed. *One hour, each term.*

107a, 107b, 107e. **Advanced Domestic Architecture**—A continuation of Course 105 for advanced students.

*Number of credits to be arranged.*

108a, 108b, 108c. **Elements of City Planning**—The correct layout for a city is studied, seeking to harmonize the various requirements such as residential section, business section, traffic arteries, streets, civic centers, etc. Actual government or municipal topography maps are used for the basis of the study. A city plan is carefully drawn and rendered.

*One hour, each term.*

109a, 109b, 109c. **\*Ethics and Business Relations**—Matters concerning the conduct of business and professional ethics are discussed in their relations to the architectural profession. Business and professional relations that should obtain between Owner, Architect, and Contractor are outlined. Methods of office management are studied in their relation to economy and advancement.

*One hour, each term.*

110a, 110b, 110c. **\*Pen and Pencil**—The use of the pen and pencil in making rendered drawings. Studies in composition and rendering are carefully executed, with special emphasis on the values of lights and shades.

*One hour, each term.*

## II. FINE ARTS

Professor SCHROFF

Mr. RUNQUIST

### LOWER DIVISION

21a, 21b, 21c. **\*Drawing**—Still life studies and drapery are used. Elementary work is done with the use of pencil, charcoal, pastel, oil and water color.

*One or two hours, each term.*

22a, 22b, 22c. **\*Water Color**—Still life studies of drapery, landscape, etc. Outdoor work from nature is done when weather permits. Representation and composition only are studied in this course. The mediums used are oil, water color, charcoal, pencil, etc.

*One hour, each term.*

23a, 23b, 23c. **\*Color Theory**—The prismatic and pigment theories are both discussed and demonstrated, together with practical problems covering the subjects of balance, chroma, color relations in areas and intensities, all leading up to the science of Color Harmony.

*One hour, each term.*

24a, 24b, 24c. **\*Elementary Modeling**—Use of clay in making models of antiques, architectural motifs, historic ornament. Work is also done directly from the living model. The art of casting in plaster is explained and some work done in that line.

*One hour, each term.*

31a, 31b, 31c. **\*Life Class**—Studies of the nude form from living models. In connection with this course Dr. Bovard gives lectures on artistic anatomy, illustrated with a skeleton, living models and charts.

*One or two hours, each term.*

41a, 41b, 41c. **\*Art Appreciation**—This course is intended to reach the general student who is interested in, but not specializing in, Art. The lectures include art history, decorative art, biographies of painters and sculptors, etc. The lectures are illustrated by means of exhibitions of color plates, photographs, lantern slides and casts. Students are required to write a comprehensive theme each week covering the subject of the lecture. There is also research work to be done in the Art Library.

*Two hours, each term.*

### UPPER DIVISION

131a, 131b, 131c. **\*Life Class**—This is a continuation of and is conducted in the same manner as Course 31.

*One to four hours, each term.*

132a, 132b, 132c. **Mural Decoration and Stained Glass**—The work consists of practical problems worked out in the studio, leading to the production of actual work in stained glass, and interior decoration. Only those students who have learned to draw the human figure and to create in color are eligible for this course.

*One hour, each term.*

141a, 141b, 141c. **\*Civilization and Art Epochs**—Lectures covering history, archaeology and evolution of all the art of the world. There is shown the influence of political, ecclesiastical, aesthetic and ethnological evolution upon art in every form; also the influence of art of all times upon humanity. Illustrated by means of photographs, lantern slides, color plates, etc.

*Two hours, each term.*



142a, 142b, 142c. \*Principles and Practice of Decorative Design—These are problems in applied design leading to applications in the crafts, together with historic precedents and parallels to develop usefulness in the art of our daily lives. *Two hours, each term.*

143a, 143b, 143c. \*Principles and Practice of Decorative Design; **Advanced**—This is a further development of the principles and applications worked out in Course 142. *Two hours, each term.*

### III. GRAPHICS

Professor ADAMS

51a, 51b, 51c. \*Descriptive Geometry—This is an analytical study of the subject of projections, giving the student a thorough groundwork for all branches of drafting. Problems are worked out under the following heads: geometry of points, lines and planes; solids; development of surfaces; plane sections; intersections of solids; etc. *Two hours, fall and winter terms.*

52. \*Shades and Shadows—Practical methods of construction for finding positions of the shades and shadows on drawings of architectural subjects. Location of shade lines on the cylinder, torus, sphere and other typical forms. *Two hours, spring term.*

53a, 53b, 53c. \*Instrumental Drawing—A course for students taking the Normal Art course; giving them practice in the use of drawing instruments and ability to make simple plane and elevations. Geometrical drawing, projections and perspective are made the basis of the problems. *Two hours, each term.*

54a, 54b, 54c. \*Mechanical Drawing—A study of the underlying principles of drafting, including problems in projections, developments, intersections of solids, isometric drawing, tracing and blue printing. *Two hours, each term.*

55b, 55c. \*Perspective—The principles involved in the construction of perspective drawings are studied and problems worked out. The orthographic plan method and the perspective plan method are both analyzed and used. Vanishing points and vanishing traces are found by construction. Practical applications are made to conditions that arise in practice. *Two hours, winter and spring terms.*

56a, 56b. **Lettering**—Brief outline of the historical development of styles of alphabets. Drawing of alphabets. Titles are constructed, suitable for mapping and general drafting office use. This course might well be used to supplement the courses in Mechanical Drawing and Instrumental Drawing.

*Two hours, fall and winter terms.*

### IV. CONSTRUCTION

Professor McALISTER

Professor ADAMS

#### LOWER DIVISION

61b, 61c. \*Working Drawings—Scale and full size drawings are made of various details of building construction, such as windows, doors, cupboards, stairways, fireplaces, cornices, etc.

*Three hours, winter and spring terms.*

62b, 62c. \*Surveying—Lectures and field work designed to enable the student to measure lines with the steel tape; to measure angles with the transit; to determine the differences in level by means of the level instrument; to run traverse lines and lot lines; to plot field notes; to make contour maps and profiles; to perform simple calculations of area and earthwork.

*Two hours, winter and spring terms.*

#### UPPER DIVISION

161a, 161b. \*Strength of Materials—Practical problems and exercises in the design of beams, columns, thin plates and cylinders, including actual tests and experiments with the testing machines.

*Three hours, fall and winter terms.*

162a, 162b. \*Graphic Statics—Problems in equilibrium are solved by graphic constructions. The stresses in framed structures are determined by means of stress diagrams. A study is made of the influence line for moving loads. The subject matter of this course parallels that of the course in Stresses.

*Two hours, fall and winter terms.*

163. \*Stresses—The subject matter covered by this course is the same as in Graphic Statics. The solutions, however, are worked out by analytical calculation instead of graphic construction.

*Three hours, spring term.*

164. **\*Wooden Trusses**—A careful study is made of the theory and practice in regard to wooden truss design. The sizes of truss members are designed in accordance with their stresses. Detail drawings are made for constructive purposes. Proper design of the truss joints is carefully worked out. *Two hours, spring term.*

165. **\*Hydraulics**—A study of the laws governing the flow and pressure of water in pipes and conduits. Application to hydraulic motors, hydraulic elevators, sprinkler systems, etc. *One hour, fall term.*

166. **\*Special Subjects**—Heating, plumbing, ventilation, acoustics and illuminating. This is a course intended to give the design option students a concise presentation of the underlying principles involved in the subjects named. *One hour, fall term.*

167b, 167c. **\*Sanitary Science and Public Health**—The proper design and construction of buildings to conform to the preservation of health and sanitation. A study of the fundamental laws governing sanitation and health. *One hour, winter and spring terms.*

168. **\*Building Materials and Constructive Types**—The various materials used in building operations are studied in their relation to the different types of structures; such as stone, concrete, iron, steel, wood, tile, etc. The adaptability of the material to the purpose for which it is used is investigated. *One hour, fall term.*

169a, 169b, 169c. **Constructive Design**—For Design Option students. A brief study of the calculations and design of trusses in wood and steel; plate girders; reinforced concrete. *Two hours, each term.*

170a, 170b. **\*Reinforced Concrete**—A careful study is made of the underlying principles upon which the design of reinforced concrete construction is based. An application of these principles is made in working out problems in designing simple beams and columns. Practical working formulas and data are presented and used. *Three hours, fall and winter terms.*

171. **\*Masonry**—The various uses of brick and stone in building construction are studied in their relation to strength and durability. Some of the subjects treated are: bonding; relieving arches;

lintels; strength of walls, bearing plates; footings, etc. Applications of descriptive geometry to stone cutting are worked out.

*Four hours, spring term.*

172. **\*Heating and Ventilation**—The various methods of heating and ventilation are discussed, together with the fundamental principles governing the efficiency and adaptability of the systems to practical problems. Calculations are made for sizes of installations.

*Three hours, fall term.*

173. **\*Electric Lighting and Wiring**—Proper sizes of wires for various lighting installations. Direct and indirect systems of illumination are discussed, together with proper methods of installation. Lighting for special purposes, such as residences, stores, auditoriums, etc. Rules and regulations of the National Board of Fire Underwriters. *Three hours, winter term.*

174. **\*Mechanical Appliances for Buildings**—Investigation of the special appliances and machinery to be found in hotels, apartment houses, public buildings, etc.; pumps, vacuum systems; refrigeration systems; private water systems, etc. *Three hours, spring term.*

175. **\*Foundations**—Investigation of the bearing powers of different soils, and methods of designing and constructing foundations to suit the conditions. Use and construction of caissons.

*Three hours, fall term.*

176a, 176b. **\*Arches**—The theoretical and practical considerations involved in the design of arches in stone, brick and concrete, are presented and applied to problems in practice.

*Three hours, fall and winter terms.*

177a, 177b. **\*Steel Trusses**—The sizes of members of steel trusses are calculated from their stresses. Pin connected and riveted joints in steel trusses are designed and investigated.

*Two hours, fall and winter terms.*

178b, 178c. **\*Steel Frame Buildings**—Attention is given to necessary considerations involved in the calculation and design of the steel frame structures. Floor systems. Types of Columns. Riveting.

*Two hours, winter and spring terms.*

V. NORMAL ART  
Professor HELEN RHODES

## LOWER DIVISION

91a, 91b, 91c. \*Elementary Design—For students in the Normal Art Course. The theory and structure of the space arts are presented. There are laboratory exercises in pure design, including work in line, nature and color; also the application of design to some form of industrial art or craft, such as linoleum printing of cards and book plates, enameling of boxes, etc. This course is fundamental for all students working toward any profession that requires a knowledge of space relations and color harmony.

*Two hours, each term.*

92a, 92b, 92c. \*Advanced Design—This is a continuation of Course 91, with the added application of design to wood block prints for illustrations, wood block printing on textiles, batik, etc.

*Two hours, each term.*

93a, 93b, 93c. \*Representation—The work of this course includes problems in accurate rendering; free wash studies of flowers; still life; perspective. Emphasis is placed on arrangement and spacing, using methods applicable to the presentation of the subject in the grade schools and junior high schools. The mediums used are pencil, charcoal, crayon, transparent and opaque water colors. The work is specially planned to suit the needs of students taking the Normal Art Course.

*One hour, each term.*

## UPPER DIVISION

191a, 191b, 191c. \*Pedagogy of Art—Lectures, laboratory, and observations. Discussion of school problems in Art, such as design, representation, lettering and color. The planning of courses of study for the grade school and high school. Lesson plans on type subjects. Observation of art as taught in the city schools and University High School. Assigned readings. Laboratory work in some elementary industrial art processes and methods of presentation.

*Two hours each term.*

192a, 192b, 192c. \*Applied Design—This is more advanced work following course 92 and comprises practical problems in applied design.

*Two hours, each term.*

## BOTANY

Professor SWEETSER

Miss FOULKES

Miss SANBORN

Students planning to make Botany their major subject should include in their lower division program courses 1, 1a and 1b, General Biology and General Botany, and if possible also the courses in General Zoology and General Chemistry.

## LOWER DIVISION

1. **General Biology**—Introductory to Botany, 1a, and Zoology, 1a. A study of the cell, its structure, function and relation to heredity. An investigation of life processes as exemplified in a few typical plants and animals.

Three lectures and one laboratory period. Professor SWEETSER.  
*Four hours, fall term.*

1a. **General Botany**—A continuation of General Biology. Freshmen or others may enter. A further study of the life processes in lower plant forms, especially mosses, algae, fungi and lichens, their classification and economic importance.

Three lectures and one laboratory period a week.

*Four hours, winter term.*

1b. **Continuation of Botany, 1a.** Open to freshmen or others. The habits, physiology, methods of reproduction, ecological relations, economic value and classification of the flowering plants.

Three lectures and one laboratory period a week.

*Four hours, spring term.*

11. **Sanitary Hygiene**—The study of diseases, their causes and prevention; pure food, pure water, pure milk, etc.

*Three hours, fall term.*

## UPPER DIVISION

103. **Plant Histology**—A study of plant tissues. The technique of killing, embedding, sectioning, staining, and mounting of plant tissues.

*Three or four hours, fall term.*

103a. **Plant Histology**—Continuation of 103.

*Three or four hours, winter term.*

103b. **Plant Histology**—Continuation of 103a.*Three or four hours, spring term.*

104. **Medical and Economic Botany**—Plants used in medicine and the powdered drugs made from them. Plants used for food and in the arts. *Three hours.*

105. **Plant Physiology**—A study of life phenomena as manifested in the plant. Prerequisites, Courses 1, 1a and 1b. Lectures and laboratory. *Four hours, winter term.*

106. **Bacteriology**—Two lectures and two laboratory periods a week. *Four hours, winter or spring term.*

107. **Bacteriology**—Continuation of Bacteriology 106. Two lectures and two laboratory periods a week. *Four hours, spring term.*

107a. **Advanced Laboratory Work in Bacteriology.** A continuation of Courses 106 and 107. Two laboratory periods to be arranged. *Two hours, spring term.*

108. **Systematic Botany**—The classification of as many plant forms as possible. Two lectures and one laboratory period a week. *Three hours, fall term.*

109. **Field and Systematic Botany**—Analysis and classification of spring plant forms. *Three hours, spring term.*

110. **Research**—Original work on some botanical problem. *Hours and credit to be arranged.*

112. **Pedagogy**—Practical study of the methods of teaching botany. *Three hours, winter term.*

113. **Advanced**—Work in Systematic Botany. *Hours and credit to be arranged.*

114. **Research**—Work in Systematic Botany. *Hours and credit to be arranged.*

## RECOMMENDATION OF TEACHERS

In order to be recommended as a teacher of Botany the student should take the following courses in this department:

	Catalog No. of Course	Term Hours
General Biology .....	1	4
General Botany .....	1a and 1b	8
Systematic Botany .....	108 and 109	6
Pedagogy of Botany .....	112	4

## CHEMISTRY

*Professor STAFFORD	Professor COLE	Professor SHINN
Mr. MASON	Mr. ADAMS	Mr. ALLEN
Miss FLINT		Mr. COX
		Mr. SKIDMORE

Students intending to make Chemistry their major subject should include in their lower division program the following courses in Physics, either 1, 2 and 3, or 4, 5 and 6; and in Mathematics courses 5 and 7. If possible they should also begin a foreign language, preferably German or French.

## LOWER DIVISION

1a. **General Chemistry**—An introduction to the study of chemistry. Three lectures and one laboratory period. Professor SHINN. *Four hours, fall term.*

1b. **General Chemistry**—Continuation of Course 1a. *Four hours, winter term.*

1c. **General Chemistry**—Continuation of Course 1b. *Four hours, spring term.*

No credit will be given for less than two terms' work in Course 1.

3a. **Analytical Chemistry**—A course in qualitative analysis. One lecture and two or three laboratory periods. Professor COLE. *Three or four hours, fall term.*

\*Absent on leave.

3b. **Analytical Chemistry**—Gravimetric analysis, continuation of 3a. *Three or four hours, winter term.*

3c. **Analytical Chemistry**—Volumetric analysis; continuation of 3b. *Three or four hours, spring term.*

\*6a. **Advanced Inorganic Chemistry**—A course designed to follow the year of general chemistry. Professor STAFFORD. *Two or three hours, fall term.*

\*6b. **Advanced Inorganic Chemistry**—Continuation of course 6a. *Two or three hours, winter term.*

\*6c. **Advanced Inorganic Chemistry**—Continuation of course 6b. *Two or three hours, spring term.*

## UPPER DIVISION

105a. **Organic Chemistry**—Three lectures and one laboratory period. Professor COLE. *Four hours, fall term.*

105b. **Organic Chemistry**—Continuation of Course 105a. *Four hours, winter term.*

105c. **Organic Chemistry**—Continuation of Course 105b. *Four hours, spring term.*

No credit will be given for less than two terms' work in Course 105.

\*108a. **Introduction to Physiological Chemistry**—A study of some chemical aspects of life processes, of interest especially to students preparing for the study of medicine, but open to all students who have had or are taking organic chemistry. Lectures, laboratory work and reports on assigned reading. Professor SHINN. *Three hours, winter term.*

108b. **Introduction to Physiological Chemistry**—Continuation of Course 108a. *Three hours, spring term.*

112a. **Advanced Analytical Chemistry**—Laboratory and occasional conference. Professor COLE. *Two to four hours, fall term.*

\*Not given in 1920-21.

112b. **Advanced Analytical Chemistry**—Continuation of Course 112a. *Two to four hours, winter term.*

112c. **Advanced Analytical Chemistry**—Continuation of Course 112b. *Two to four hours, spring term.*

113. **Elementary Chemical Microscopy**—An introduction to the subject, with informal lectures, demonstrations and laboratory work. One lecture and one laboratory period per week. Professor COLE. *Two hours, winter term.*

114. **Microchemical Qualitative Analysis**—Informal lectures and laboratory work covering the characteristic microchemical reactions of the common basic and acid radicals of inorganic binary compounds. Professor COLE. *Two hours, spring term.*

\*115. **Advanced Chemical Microscopy**—Laboratory work, including examination, by means of the microscope, of potable water, foods, condiments, drugs, textiles, etc. Professor COLE. *Two or three hours, spring term.*

116a. **Physical Chemistry**—Three lectures and one laboratory period. Professor SHINN. *Four hours, fall term.*

116b. **Physical Chemistry**—Continuation of Course 116a. *Four hours, winter term.*

116c. **Physical Chemistry**—Continuation of Course 116b. *Four hours, spring term.*

\*118a. **Applied Physical Chemistry**—Electrochemistry. Professor STAFFORD. *Hours as arranged, fall term.*

118b. **Applied Physical Chemistry**—Special topics to be determined by the interests of those enrolling. Professor STAFFORD. *Hours as arranged, spring term.*

\*121. **Sanitary Chemistry**—The chemistry of water purification, sewage treatment, preservation of foods. Professor STAFFORD. *Hours as arranged, spring term.*

\*Not given in 1920-21.



103. **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. The uniform system of the West Coast Lumberman's Association is the basis of study in this course.

104. **Municipal and Public Utility Accounting**—The aim of this course is to give practical training in every phase of municipal and public utility accounting and reporting. Considerable attention will be given to budget making. Other topics discussed are purchase records and methods, pay-rolls, 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.

105. **Cost Accounting**—In this course the commercial and cost accounts of the corporation and the manufacturer are considered. The construction and the installation of cost accounting systems is taken up. Simplified cost accounting systems and cost-finding methods are given consideration. The elements of cost, the methods of cost-finding, the reporting of material, labor, and manufacturing expenses, the complication and summarization of reported costs, and the control of the commercial accounts over the cost accounts are subjects of study. The preparation and interpretation of financial and statistical statements are given consideration.

Lectures, text assignments, library references, charts, commercial and cost accounting sets, selected problems, and selected questions are required. Prerequisite—Accounting Principles.

106. **System Building**—A study of the accounting systems of large and small businesses; the writing of the accounting procedure for installing accounting systems; methods of controlling general and branch store systems; general office and factory cost systems; the designing and drafting of the necessary forms, etc.

107. **Solution of C. P. A. Problems**—The 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, executors' accounts, corporation accounts, revenue accounts, fire insurance accounts, real estate accounts, manufacturing cost accounts, mergers, liquidations and realizations, etc

108. **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 of 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.

109. **Business Organization and Management**—A general study of the field of business organization, as typified by the individual ownership, partnership, joint stock company and the corporation. Special attention is paid to the general characteristics of the various types of business so that their relationship, and advantages or disadvantages may be recognized by the student. Corporated organization is studied in regard to its general outline but the detailed study is covered by course 110.

110. **Corporate Organization and Management**—This course is designed for students who desire a knowledge of the intimate details in the organization and management of a corporation. The course includes a study of the corporate system, the corporate form, pre-incorporation considerations, the stock system and corporate control; the corporate organization, including the charter, by laws and organization meetings; the corporate management, including stock records and stock transfer, meetings and records, the duties of the treasurer and corporated finances; and special corporate topics, which include corporate arrangements, such as voting trusts and holding corporations and allied forms of organization, such as joint stock companies and associations under deeds of trusts.

111. **Plant Management**—A course dealing with the various problems met with in a manufacturing plant, such as types of organization, methods of securing maximum output, wage systems, purchasing problems and a brief study of typical manufacturing industries.

112. **Employment Management**—A study of the problems confronting the employer today in regard to his labor supply. The sources of labor supply, and methods of reaching these sources, will be studied. Methods of training workers in the various industries will also be taken up in this course. The interviewing and classification of applicants and the handling of employees within the factory will be an important part of this course. Welfare organizations, betterment plans for the employees as carried out by the personnel division, will also be studied.

113. **Industrial Management**—A supplementary course to plant management, taking up in more detail the problems which confront an industrial manager. The problem of purchasing and storing is studied especially, as well as the methods of listing stores and symbolizing them. Blue print reading, as required by an industrial manager, will be offered in this course also.

115. **Salesmanship**—A study of the basic principles underlying a sale, such as methods of securing attention, interest, desire and action on the part of the customer. After studying these principles demonstration sales are given by the students in which principles are applied as in an actual sale.

116. **Sales Management**—The work of the sales manager, his characteristics and qualifications, as well as his relationship to the general business, are studied. The methods of hiring salesmen, their training and instruction, methods of compensating them and also the various sales plans used to stimulate salesmen to maximum efforts are studied. House organs will also be studied, as well as dealer helps and practical sales plans.

118. **Practical Banking**—The actual work of a bank is the basis for this study. The duties of the officers, tellers, clerks, and the 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 balances of the undivided profits accounts as dividends and reserves, reports to the comptroller of the currency, etc. Prerequisite: Money and Banking.

119. **Statistics**—This is an elementary course designed to give the students a practical knowledge of the elements of statistical methods. How to gather, present and interpret statistical data, averages, index numbers, and principles of correlation and variation are studied.

120. **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.

121. **Trade Routes and World Ports**—A study of the ports of the world, the trade routes or main lines of ocean transportation on which the ports are located; the products and manufactures adjacent to each port and the principal interior cities of each country, from a foreign trader's viewpoint.

122. **Practical Exporting**—This is a course dealing with the customs and practices of exporters in handling oversea shipments; proper wording of letters and correspondence; technique of papers used in foreign business, such as the bill of lading, export invoice, exporter's declaration, bills of exchange, and marine insurance policies. Also a brief study of ship tonnage, port equipment, packing for export, etc.

123. **Foreign Selling Methods**—A study of the markets of the world and the peculiar conditions affecting each market in different lines of goods; the various sales channels and their functions; export catalogs, advertising, miscellaneous sales factors.

124. **Foreign Exchange**—This course is a study of what foreign exchange is, what causes the fluctuations in exchange rates, sources of supply and demand of bills of exchange, bankers long bills, import and export credits.



125. **Marine Insurance**—The course comprises a brief comparison of marine insurance with other systems of indemnity, the history of marine insurance, its development in the United States, organization and purpose of Lloyd's types of policy contracts, nature of the risk and perils insured against, special agreements, etc.

126. **Life Insurance**—The purpose of this course is to acquaint the student with the practical, as well as the 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.

127. **Fire Insurance**—This course takes up the study of fire insurance in its theoretical and practical aspects. Special emphasis is placed upon the study of the fire insurance laws of Oregon and the organization and management of fire insurance companies in this state. Lectures, text assignments, library references, and written reports are required.

128. **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 Boards 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; arbitrating, 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.

131. **Methods of Commercial Teaching**—The content of the commercial course, the year in which the various subjects should be

introduced, the methods of presenting commercial subjects, including demonstration practice work, are all treated in this course. Prerequisite: 15 hours in Education.

132. **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.

133. **Business Correspondence**—The aim of this course is to give the student thorough practice in the writing of business letters of all kinds—sales, collection and dun, adjustment, promotion—and practice in the writing of a business report for an executive. Literally hundreds of business letters which have been effective are used as the basis of the study in this course. The course likewise attempts to rapidly review the essentials of rhetoric and grammar and is concluded by a study of office machinery, duplicating devices and filing systems.

134. **Purchasing**—This course treats of the various functions of the purchase department, such as setting standards for material purchased, securing information as to available sources of material, tabulating of the best quotations as to prices and deliveries. The internal organization of a purchase division, the qualifications of the purchasing agent and his work will be carefully studied. Particular attention will be paid to methods of buying which have been proven to be successful by the larger industrial companies of the country.

136. **Real Estate Management**—This course is intended to discuss the whole field of the real estate business, both its legal and economic phases, including a statement of the customs and practices in connection with real estate purchases and sales, conveyance of titles, placing of mortgages, and a discussion of ground rents, etc.

137. **Merchandising**—This course is intended to cover a full discussion of all the problems connected with the management of a

retail store, including the relations of the wholesaler with the retailer, the wholesale markets, the work of a department buyer, the chain store, retail store organizations, buying and cooperative organizations, the problems of management, retail advertising, retail delivery systems, etc.

138. **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 throughout the plant. Extended outside reading is required.

#### ECONOMICS AND SOCIOLOGY

Dean YOUNG	Professor CROCKATT	Professor GILBERT
	Professor ROBBINS	Dean FOX

Students planning to make their major subject Economics and Sociology should include in their lower division selection of courses those numbered 1, 2 and 3, Economic and Social History of England and of the United States and the Principles of Economics.

#### LOWER DIVISION

1. **Economic and Social History of England**—This course is introduced with a sketch of the social and industrial evolution of mankind to the stage represented by the inhabitants of England at the time of the Saxon invasion. The nature of the social and industrial organization of the English people is traced through its successive modifications, down to the present time, and the influences affecting it identified. Industrial development on the continent is, at each stage, brought into comparison with that of the English people. Professor CROCKATT. *Four hours, fall or winter term.*

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. Professor CROCKATT.

*Four hours, winter or spring term.*

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. Professor GILBERT and Professor ROBBINS *Four hours, fall and winter terms.*

7. **Recent Economic Changes in England and United States**—A survey first of the progressive legislation in the solution of social and economic problems in England under the leadership of the "Lloyd George" government and in the United States from 1910 through the neutrality period. Second, a sketch of the workings of war time control in England and United States followed by a discussion of the effects of the war on economic organization and the attendant problems of reconstruction. Professor CROCKATT.

*Four hours, spring term.*

#### UPPER DIVISION

104. **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. Professor YOUNG. *Five hours, fall and winter terms.*

105. **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: Child Labor, Women in industry, Growth of trade unionism, strikes, lockouts, arbitration and conciliation, industrial accidents and disease, workmen's compensation, remedial legislation. Open to students who have completed either the Principles of Economics or Principles of Sociology. Professor ROBBINS. *Four hours, spring term.*

106. **Organized Labor**—Study of the aims and methods adopted by Organized Labor. A detailed consideration of trade union devices is made and students are required to interpret the Labor Movement and evaluate its social significance. Prerequisites, Principles of Economics or Sociology. Professor ROBBINS.

*Four hours, fall term.*

107. **Labor Legislation**—A detailed study of some industrial problems facing the employer, employee and the public; legislation that society should enact to remedy industrial ills, with consideration given to the rights of the employer and the employee, and public. Prerequisites, Principles of Economics or Sociology. Professor ROBBINS.

*Four hours, winter term.*

108. **Principles of Ocean Transportation**—The history of the ocean carrier is studied as an introduction to the underlying principles of the present problems of the merchant marine and ocean traffic. The ocean transportation service, the organization of ocean carriers with their relations to one another and the public, and government aid and regulation of ocean commerce and transportation are especially studied. Prerequisites, Economic Histories and Principles of Economics. Professor CROCKATT.

*Five hours, spring term.*

109. **Conservation of Natural Resources**—An inventory of our resources in mineral wealth, water, soil, timber, etc., will be taken and practices which lead to exploitation and waste will be studied. An effort will be made to develop sound lines of public policy which will arrest needless waste and promote conservation. Professor GILBERT.

*Three hours, spring term.*

111. **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, double taxation, income, personal property and inheritance taxes. Professor GILBERT.

*Four hours, fall and winter terms.*

113. **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, and remedial measures considered. Professor GILBERT.

*Five hours, spring term.*

115. **History of Economic Thought**—The interactions between the ideas pertaining to economic interests, and the conditions of economic life; also the relations between the economic thought and the philosophical speculations of successive epochs are traced. The existing schools of economic thought are defined. Professor GILBERT.

*Three hours, spring term.*

117. **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-regulations, service regulations, and railway finances. Professor YOUNG.

*Five hours, winter term.*

118. **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. Professor YOUNG.

*Five hours, fall term.*

128. **The New Town and the New State**—The principles of group organization will be developed. The adapted modes of association through which creative citizenship may best function will be outlined, and practical concrete schemes of community and State organization and life activities will be planned. Professor YOUNG.

*Five hours, spring term.*

129. **Agencies for the Relief of the Sub-Normal**—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, Principles of Sociology. Professor ROBBINS.

*Four hours, spring term.*

134. **The New Social Order**—The factors in the present situation of western civilization causing movements for reorganization are examined. The leading programs for the attainment of a new social order are analyzed. Professor YOUNG.

*Five hours, winter and spring term.*

135. **Seminar in Economics and Sociology**—Professor YOUNG, GILBERT, ROBBINS and CROCKATT. *One hour, throughout the year.*

Courses on methods of work of social agencies will be provided. Courses giving preparation for different lines of social service adapted to the needs of communities in the Pacific Northwest, will be organized.

#### EDUCATION

Dean SHELDON	Professor DEBUSK	Professor GREGORY
Professor DOUGLASS	Professor RUCH	Mr. MORRIS

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 Education. This work is fundamental to students specializing in this field. The state law stipulates twenty-two (22) term hours as part of the requirements for certification of high school teachers. The following courses are recommended in meeting this requirement: Education 51, 52, 53, 105 and 107. Owing to the advanced nature of the courses, with the exceptions of courses 51, 52 and 53, students will not ordinarily be admitted to the classes in Education until the beginning of the junior year. Students should consult with the Department of Education before planning courses leading into the teaching profession.

#### LOWER DIVISION

51. **An Introductory Course to Education**—The aim of this course is to familiarize the student with the broader general aspects of the field of education. Approximately half of the time will be spent on subject matter of an informational nature dealing with the divisions of the field of education into higher institutions of learning, secondary schools, elementary schools, private schools,

libraries, museums, the United States Bureau of Education, schools maintained by the national government, etc. About half the time will be spent on the biological, psychological, and sociological principles of education. Not open to freshmen. Professor GREGORY.

*Four hours, fall or spring term.*

52. **History of Modern Education**—This course includes the reading and discussion of the fundamental books in modern education such as Rousseau's *Emile*, Froebel's *Education of Man*, Spencer's *Education*, etc. Not open to freshmen. Professor SHELDON.

*Four hours, winter or spring term.*

53. **Educational Psychology**—An introductory course dealing with the fundamental facts of psychology in relation to the learning process. Not open to freshmen. Professor DEBUSK.

*Four hours, fall or winter terms.*

#### UPPER DIVISION COURSES FOR STUDENTS PREPARING TO TEACH IN THE SECONDARY SCHOOLS

105. **Secondary Education**—History, organization and administration of secondary education in America. The aims and functions of the American high school. Organization and evaluation of high school subjects. The junior high school. Relation of secondary education to higher education and to the elementary school. Problems of discipline and student activities. Professor GREGORY *Four hours.*

106. **Theory and Observation of Teaching**—Theory and principles of the technique of instruction. Classroom phases of management. Readings, reports and class discussions supplemented by observations in the local high schools. A professional course in methods of teaching and class management in high schools. Required of all prospective high school teachers, and a prerequisite for supervised teaching. Open to students who have had Education 51, 52 and 53. Professor DOUGLASS.

*Three hours, fall, winter or spring term.*

107a. **Supervised Teaching**—Practical work in the University high school, Eugene high school or other local high schools. Those enrolling for supervised teaching will be assigned a class for

instruction for one high school semester. Application for classes should be made during the preceding term. Students will enroll for either fall and winter or winter and spring terms. Required of prospective high school teachers. Open to seniors who have had nine hours of Education, including Theory and Observation of Teaching. Professor DOUGLASS. *Three to five hours each term.*

107b. **Educational Literature and Library Work.**—A study of high school library problems. Students by taking this course with 107a are enabled to secure two quarter's work and credit in connection with practice teaching. Professors SHELDON and DOUGLASS.

108. **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. MORRIS. *Three hours.*

109. **Methods in the Teaching of General Science.**—A consideration of the function, place and aims of general elementary science. The historical beginnings of the subject as indicating the reaction to certain weaknesses in special science instruction. The relation of general science to the junior high school. The project or problem method in relation to general science. Analytic and critical study of the various texts and manuals, and of several typical courses in prominent high schools. The matter of laboratory organization will receive the major attention. Readings in current literature and special reports. Professor BUCH. *Three hours.*

UPPER DIVISION COURSES FOR STUDENTS PREPARING FOR  
SPECIAL WORK

110. **Psychology of Childhood.**—A study of the mental processes of the child with special emphasis on the changes that take place during learning. Open to students who have had Education 51, 52 and 53 or equivalent and to those students who are specially preparing for social service work. Professor DEBUSK. *Three hours, winter term.*

111. **Hygiene of the School Child.**—Growth and its disorders. The hygiene of learning. Preventive mental hygiene. Open to students who have had Education 51, 52 and 53 or equivalent and

those regularly enrolled in preparatory medicine or physical education and hygiene. Professor DEBUSK *Three hours, spring term.*

112. **School Administration.**—State, county, town, township and district organization. The school district and its problems of organization, administration, supervision, instruction and measurement. Reorganization of county and state school administration. Open to students who have had courses 51, 52 and 53 or equivalent. Professor GREGORY. *Four hours, winter term.*

GRADUATE DIVISION

209. **Educational Tests and Measurements.**—This course is designed to give the student a comprehensive view of the field of educational measurements. The use of tests and surveys will be taken up. Special study will be made of the need for measuring the materials, processes and products of education. Literature dealing with conferences on educational measurements will be discussed. The advantages and limitations of tests will be given special attention. Enough of the mathematics will be given to understand measures of central tendency and measures of variation. Open to students who have had courses 51, 52 and 53 or equivalent. Professor GREGORY. *Four hours, spring term.*

210. **Organization of Common School Curricula.**—Principles underlying the development of the course of study. The content of the course of study. The scientific determination of what we shall teach with special reference to spelling, reading, United States history and arithmetic. Evolving curricula from the functional point of view; from other points of view. Quantitatively determining the materials of instruction. Open to graduates and students who have had courses 51, 52, and 53 or equivalent. Professor GREGORY. *Four hours, spring term.*

214. **Mental Tests.**—A survey of the literature of tests of value in the measurement of the intelligence of the child. Practice in mental testing and the treatment of results. Open to seniors and graduate students who have had general psychology or Education 53 and 110. Professor DEBUSK. *Three hours, fall term.*

215. **Exceptional Children**—A study of the defective, delinquent, retarded and superior children. Their social and educational treatment. Open to senior and graduate students who have had Education 214 or Psychology 108. Professor DEBUSK.

*Three hours, winter term.*

216a. **School Health Work**—The problems involved in health supervision and examination and in the teaching of hygiene. Open to qualified seniors and graduates. Professor DEBUSK.

*Three hours, spring term.*

216b. **The School Plant**—The physical environment of school children. Problems in the construction and sanitation of school buildings. Open to qualified seniors and graduates. Not given in 1920. Professor DEBUSK.

*Three hours, spring term.*

217. **History of American Education**—Lectures, reports and discussions treating the intellectual development of America with special reference to Education. Knowledge of American history a requisite. Open to qualified seniors and graduate students. Professor SHELDON.

*Four hours, fall and winter term.*

218. **Social Education**—A study of education in its social aspects, including primary social groups, the school as a social group, psychology of leadership, etc. Students will be asked to observe, describe and diagnose school situations arising in the field of discipline, school societies, playground and amusement problems. Open to qualified seniors and graduate students. Professor SHELDON.

*Four hours, fall term.*

219. **Education and Ethics**—A consideration of education from the point of view of the highest individual development. Includes a study of systems of moral instruction in France, Japan and elsewhere. The function of various social institutions in molding character. This course continues and supplements 218. Open to qualified seniors and graduate students. Professor SHELDON.

*Four hours, winter term.*

220. **World Problems in Educational Reorganization**—A study of the educational expansion of Europe and America with special attention to primitive peoples and to conditions in the Orient. Professor SHELDON.

*Four hours, spring term.*

230. **Research in Education**—Problems in educational hygiene. Professor DEBUSK.

*Hours to be arranged.*

231. **Advanced Educational Psychology**—The psychology of endowment and of learning, fall term. The psychology of individual differences, spring term. Professor DEBUSK.

*Three hours, fall and spring term.*

232. **Grading and Evaluating the Materials of Instruction**—This course seeks to discover the underlying principles for grading and evaluating the materials of instruction for the elementary school. The biological, psychological and sociological principles governing grading will be given special attention. An attempt will be made to discover not only what principles are now operative in grading the materials of instruction but what principles ought to govern such procedure. This is a library course and presupposes a general acquaintance with educational literature. Professor GREGORY.

*Four hours.*

233. **Statistical Methods Applied to Education**—This is the method of statistical analysis. The mathematical formulae applied to educational measurements will be developed. Much drill in reading and interpreting statistics will be given. Enough problems will be assigned to develop the technique of the subject. Drill will be given in the graphic representation of results. Professor GREGORY.

*Four hours.*

234. **Research in Education**—Research problems in elementary education. Professor GREGORY.

*Hours to be arranged.*

235. **Education Club and Seminar**—Reports of current educational meetings, book reviews, discussion of special topics investigated by members. Professor SHELDON.

*Two hours, each term.*

## ENGLISH

## RHETORIC AND AMERICAN LITERATURE

Professor BATES      Professor THACHER      Professor BURGESS  
 Professor PERKINS      Miss TURNEY      Mr. SOLVE

## REQUIREMENTS IN ENGLISH

All Freshmen must complete a prescribed course in English Composition given three times a week and varying from one to three terms according to the quality of the student's work, unless exempted as follows:

Freshmen may be exempted from the prescribed course in English Composition upon the successful passing of an examination in English to be given at one o'clock on the Saturday immediately preceding registration day of each term.

Students planning to make Rhetoric their major subject should include in their lower division program Courses 4 and 5 in Magazine Writing and Narration and also Course 59 in American Literature.

## LOWER DIVISION

1. **English Composition**—A study of the elements of effective prose, with analysis of illustrative extracts; constant training in writing and frequent consultations. Textbook: Lomer and Ashmun's *Theory and Practice of Writing English*. Required for freshmen. Professor THACHER, Professor BURGESS, Professor PERKINS, Miss TURNEY, and Mr. SOLVE.  
*Three hours, each term.*

4. **Magazine Writing**—Based on study of *Atlantic Monthly*, *Nation*, *Scribners* and other magazines. Professor BURGESS.  
*Two or three hours, each term.*

5. **Narration**—A study of common types of prose narrative; their historical development and the principles underlying the writing of them. Reading and analysis of examples of types and writing of reviews and brief narratives. For students who have fulfilled the English requirement. Miss TURNEY.  
*Three hours, winter and spring terms.*

7. **The Study of Words**—The purpose of this course is to aid students in the attempt to acquire a practical vocabulary. Professor BURGESS.  
*Two hours, spring term.*

6. **Commercial English**—Instruction and practice in business letter writing of all kinds—circulars, prospectuses, etc. Professor THACHER.  
*Three hours, winter term.*

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. In the latter part of the course special attention is given the standards and policies of contemporary magazines, and an attempt is made to produce marketable work. Professor THACHER.  
*Two hours, each term.*

15. **Elementary Playwriting**—Study of primary dramatic principles; writing of simple dialogues, sketches and scenarios. Professor BATES.  
*Two hours, winter and spring terms.*

59. **American Literature**—Study of American literature from its beginning to the present day. Lectures and assigned readings. Professor BURGESS.  
*Three hours, each term.*

## UPPER DIVISION

113. **Technique of Poetry**—Study of the standard metrical forms and of modern free verse; practice in actual versification. Professor BATES.  
*Two hours, each term.*

114. **Advanced Writing**—A course of seminar character. Open only to advanced students who desire to become professional writers. Professor THACHER.  
*Two hours, each term.*

115. **Technique of Drama**—Advanced course in playwriting. Composition of one-act, two-act, and three-act plays. Professor BATES.  
*Two hours, each term.*

122. **Anglo-Saxon**—Grammar and translation of selected passages in prose and poetry. Professor PERKINS.  
*Three hours, fall term.*

120, 121. **English Literature from the Beginning to the Sixteenth Century**—A study of some of the more important early and middle English writers, read mainly in modern English texts. *Beowulf*, *Bede*, *Caedmon*, *Cynewulf*, *The Arthurian Cycles*, *Langland*, *Chaucer*, *Gower* and others. Professor PERKINS.

*Three hours, fall and winter terms.*

123. **Chaucer**—As much of Chaucer's work is read as time permits, with careful attention to his sources of material, poetical forms, pronunciation and grammar. Professor PERKINS.

*Three hours, spring term.*

124. **History of the 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. Professor PERKINS.

*Three hours, fall term.*

152. **Teachers' Course**—Composition and American Literature. Required of all seniors who expect to teach English. Professor PERKINS.

*Two hours, fall and winter terms.*

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

*Three hours, winter term.*

171. **Criticism**—This course is required for juniors majoring in Journalism. It affords practice in the writing of musical, dramatic, art, and literary criticism. Professor BATES.

*Two hours, each term.*

172. **Contemporary American Poetry**—Recent regular verse, free verse, polyphonic prose. Students will read with a view to understanding the work of the period, and also with a view to collecting, editing and presenting the work of their especially assigned authors. Professor BURGESS.

*Three hours, spring term.*

174. **Contemporary American Fiction**—A study of the best American fiction since 1900. Professor PERKINS.

*Three hours, spring term.*

175. **Edgar Allan Poe; a Study of Romantic Pessimism**—The background of Romanticism; Poe's life and temperament; his relations with other American writers; his work in poetry, the short story and criticism; his influence on later Romanticism. Lectures and discussions. Professor BATES.

*Three hours, winter term.*

176. **Walt Whitman; a Study of Romantic Optimism**—Transcendentalism; the ideals of democracy; Whitman's great program; his degree of attainment; his influence on the literature of today. Lectures and discussions. Professor BURGESS.

*Three hours, winter term.*

177. **Theory and Practice of Criticism**—A course, primarily designed for seniors, affording a comparative study of critical theory and the application of theory to special problems. Professor BATES.

*Two hours, spring term.*

178. **American Philosophy**—Royce, James, Dewey, Santayana, and others. Professor BATES.

*Three hours, each term.*

181. **Principles of Appreciation**—This course will be devoted to a consideration of the best examples of literature and art, and will include practice in critical writing. Professor BATES.

*Two hours, fall and winter terms.*

182. **American Drama**—Reading of representative American plays. Study of some recent movements in the development of American drama. Miss TURNEY.

*Three hours, winter and spring terms.*

#### ENGLISH LITERATURE

Professor HOWE    Professor WATSON    Miss DOBIE    Miss BELL

The choice of courses in this department should vary according to the purpose of the student, whether general culture, or professional preparation for teaching or for library work. Students planning to make English Literature their major subject should include in their lower division program the Outlines course and Wordsworth. It is desirable to add a term of Shakespeare, if possible. The course in the



economic and social history of England is very useful as a background to major work in English Literature.

LOWER DIVISION

1, 2, 3. **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. The student will be led, as far as possible, to form a conception of each epoch from his own reading of representative authors. This work is supplemented by lectures and interpretative readings. First term, sixteenth and seventeenth century authors. Second term, eighteenth century authors, and those of the first quarter of the nineteenth century. Third term, from 1830 to the present. Courses in sequence, but may be taken independently. Professor WATSON. *Three hours, each term.*

25. **Wordsworth**—A study of the best poems of the author, in such order as to illustrate the power, scope, and characteristic beauty of this poet. Professor HOWE. *Three hours, spring term.*

30. **William Morris**—A study of the life and writings, both prose and verse. Professor HOWE. *Three hours, winter term.*

50, 51, 52. **Shakespeare**—Study of the important historical plays, comedies and tragedies. Courses in sequence, but may be taken separately. Professor WATSON. *Three hours, each term.*

UPPER DIVISION

101, 102, 103. **English Poetry**—Fall term, the shorter classics. Winter, the old ballads. Spring, twentieth century poems. Professor HOWE. *Three hours, each term.*

110. **Shelley**—His more important works in their order as written, with attention to his importance both as philosopher and as poet. Professor HOWE. *Three hours, fall term.*

115. **Browning**—The Ring and the Book and the important shorter poems. The aim is to give the student facility in reading Browning understandingly, and to acquaint him with the author's outlook on life. Miss DOBIE. *Three hours, spring term.*

120. **The Romantic Poets**—Blake, Scott, Coleridge, Southey, Wordsworth, Byron, Shelley, Keats, Hunt, Landor. Miss DOBIE. *Three hours, fall term.*

130. **The Victorian Poets**—Tennyson, Browning, Barrett-Browning, Rossetti, William Morris, Swinburne, Matthew Arnold. Miss DOBIE. *Three hours winter term.*

133. **Milton**—Paradise Lost entire and the minor poems. Professor WATSON. *Three hours, fall term.*

135, 136, 137. **English Drama**—Fall term, Elizabethan drama; winter, Restoration, Eighteenth Century and Romantic Drama; Spring, Victorian and Recent Drama. Miss DOBIE. *Three hours, each term.*

140, 141, 142. **English Prose Writers of the Eighteenth Century**—Gibbon, Burke, Samuel Johnson, Boswell, Hume and others. Professor HOWE. *Three hours, each term.*

145, 146, 147. **English Prose Writers (not novelists) of the Nineteenth Century**.—De Quincey, Lamb, Hazlitt, Carlyle, Ruskin, Mill, Huxley, Matthew Arnold, Pater. Courses in sequence, but may be taken separately. Miss DOBIE. *Three hours, each term.*

155, 156, 157. **Living English Writers**—Kipling, Shaw, Wells, Arnold Bennett, Galsworthy, Chesterton, Granville Barker, St. John Hankin, Dunsany, Davies, W. H. Hudson; poetry, essay, short story, drama, and novel. Courses in sequence, but terms may be taken separately. Professor HOWE. *Three hours, each term.*

160, 161, 162. **Contemporary European Literature**—English in its relation to other European literatures, to Ibsen, the Russians, Maeterlinck, and others. Professor HOWE. *Three hours, each term.*

170, 171. **History of English Literature**—This course, planned for honor students and intending teachers, is advised for junior year. Miss DOBIE. *Three hours, fall and winter terms.*

175. **Teaching of English Literature**—Lectures, papers and conferences. Required of all who expect to teach English. Should be taken in junior year, preparatory to practice teaching in senior year. Professor HOWE and Miss DOBIE. *Five hours, spring term.*

180. **The Philosophical Foundations of English Literature**—Selections from Bacon, Hobbes, Locke, Berkeley, Hume, the Deists, the Economists, the Utilitarians, the Evolutionists and the Pragmatists will be read by the class. Professor WATSON.

*Three hours, each term.*

185, 186, 187. **Representative Nineteenth Century Novelists**—Scott, Jane Austen, Dickens, Thackeray, George Eliot, Meredith, Hardy, and others. These authors will be taken each for one term, and the whole course can be finished only in two or perhaps three years of term courses, each complete in itself. Professor HOWE.

*Three hours, each term.*

190, 191, 192. **Social Problems in the English Novel**—Miss Edgeworth, Dickens, Kingsley, and other nineteenth century and contemporary novelists who have made the novel the vehicle of social criticism. Professor WATSON.

*Three hours, each term.*

195. **The English Novel, Its Evolution and Scope**—Lectures, with collateral reading. Professor HOWE.

*Three hours, each term.*

#### GRADUATE DIVISION

201. **Survey of the English Critics**—Professor WATSON.

*Three hours, each term.*

205. **Seminar.** For graduates and honor students. Problems in research. Professor HOWE, Professor WATSON and Miss DOBIE.

*Three hours, spring term.*

#### GEOLOGY

Professor SMITH

Professor PACKARD

The science of Geology contributes to nearly every branch of human knowledge and draws upon all the natural sciences. Though one of the youngest of the sciences it has become a sort of clearing house for its sister sciences, not replacing but reinforcing and correlating them, and nearly every activity of man is found to be directly or indirectly affected by it.

Aside from its contribution to liberal education the science of geology prepares one for the following vocations: 1. Economic Geologist; 2, Engineering Geologist; 3, Museum worker (Paleontologist, Mineralogist, etc.); 4, Government or State Geologist, assistant, aide; 5, Teacher. The pecuniary rewards in the first two of these are usually high and sometimes exceptional among professional fees. No line of professional work, perhaps, offers such opportunities for foreign travel. These opportunities promise greatly to increase as a result of the problems of reconstruction arising in all parts of the world.

The department at Oregon, besides training geologists, offers courses which are essential to effectual work in engineering, architecture, science teaching and economics and helpful in journalism, commerce, law, etc.

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 few years 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 arranged for those who apply.

#### LOWER DIVISION

1. **General Geology**—A general outline of the whole subject. Illustrated lectures, laboratory work in the Condon Museum, field trips, and collateral reading. Three lectures and one laboratory period.

(a) Physical and Dynamic Geology; fall term.

(b) Economic Geology; winter term.

(c) Historical Geology; spring term.

In the winter term the economic geology course will take up the occurrence, mining and utilization of coal, iron, oil, gold, copper, building stones, precious stones, etc. Those who have had high school geology or physical geography may enter.

*Three or four hours, each term.*

4. **General Mineralogy**—A general study of Crystallographic and Physical and Chemical Mineralogy, followed by Determinative Mineralogy.

The objects of this course are:

- (a) Rapid determination of the more common minerals.
- (b) Practice in the determination of the less common mineral species.
- (c) A knowledge of the economic minerals. Prerequisite: General chemistry. Winter term, two lectures and one laboratory period. Spring term, one recitation and two laboratory periods.

*Three hours, winter and spring terms.*

5. **Economic 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. Illustrated lectures, collateral reading in the current standard geographical journals. Additional work in laboratory or library.

*Three hours, each term.*

6. **Petrology**—An introduction to the study of rocks by means of hand specimens, following Pirsson's "Rocks and Rock Minerals." Pre-requisite: General Mineralogy. One laboratory period and one lecture.

*Hours to be arranged.*

8. **Paleontology**—This course gives a general survey of the evolution of life and deals with the principal theories of geological biology. The laboratory work consists of a study of the main groups of recent invertebrates, and comparisons with fossil specimens from the Museum. The lecture course, (8a) may be taken separately.

8a. Lecture course. *Two hours, winter term.*

8b. Laboratory courses. Two laboratory periods per week.

*Two hours, winter term.*

9. **Geologic History of Man**—A general survey of man's early development and distribution as interpreted from a study of fossil human remains, implements and works of art. Certain topics such as biologic considerations, will be treated by specialists from other departments.

*Three hours, fall term.*

10. **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, fall and winter terms.*

11. **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 measurements of base lines, primary control by means of triangulation and practice in the use of the plane table. Professor McALISTER.

*Two hours, fall or spring term.*

#### UPPER DIVISION

101. **Structural Geology**—Laboratory and field studies of such features as joints, faults, folding, cleavage, unconformities, etc. Making of sections, application of Descriptive Geometry to various problems in structure.

*Three hours, winter term.*

102. **Advanced 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 the fuels and to materials of construction. Under metals will be considered the methods employed in prospecting and the developing of ore bodies. Reasons for and methods of conservation of the various mineral resources will also be given special emphasis. Prerequisites: Geology I, Chemistry I, and Mineralogy 4.

*Hours to be arranged.*

(a) Metallic Mineral Products.

*Fall term.*

(b) Non-Metallic Mineral Products.

*Winter term*

103. **Practical Oil Geology**—A study of the geologic principles affecting the petroleum industry with a survey of the principal oil fields and a consideration of field methods employed in their development.

*Two hours, spring term.*

105. **The Topography and Physiography of the United States and Particularly of Oregon**—This course will be a semi-popular treatment of the subject adapted especially to the needs of students

of Commerce, History, Education and Military Science. One lecture and one laboratory and general discussion period. Hours to be arranged. Open to both lower and upper division students.

**105a. Physiography (Teachers' Course)**—An advanced course in Physiography with special emphasis upon the practical problems confronting a teacher of Physical Geography.

Prerequisite: General Geology a, b, c. Two lecture and recitation hours, and one laboratory period. *Three hours, spring term.*

**106a. Optical Mineralogy**—The study of rock minerals by means of thin sections and the petrographic 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.*

**106b. Optical Petrology**—The continuation of 106a. 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.*

**107. Field Geology**—A general course in geologic mapping and survey methods. The major portion of the time will be devoted to the topographic and geologic mapping of an assigned area. Prerequisites: Geology 1, 11, 102 and 4. A written report on the area mapped will be required in this course. *Two hours, spring term.*

**108. Advanced Paleontology**—Special work assigned to suit the requirements of the advanced student. Zoology a prerequisite. *Hours to be arranged.*

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

#### GRADUATE DIVISION

**201. Seminar**—Open to advanced major students of this and related departments for the consideration of research material and a review of the current technical literature. Problems in the Geology of Oregon will be considered. *One hour a week.*

**202. Graduate Courses by Arrangement.**

## GERMANIC LANGUAGES AND LITERATURE

Professor SCHMIDT

Professor THORSTENBERG

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.

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 students, aiming at a comprehensive insight into the historical growth of the Germanic languages and literatures.

### I

#### GERMAN LANGUAGE AND LITERATURE

##### LOWER DIVISION

**1. 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. In addition to a reader three or four of the following selections will be read: Storm's Immensee, Heyse's L'Arrabbiata, Volkmann's Kleine Geschichten, Maerchen und Erzählungen, Seidel's Maerchen, Zschokke's Der Zerbrochene Krug, etc. Professor SCHMIDT, Professor THORSTENBERG.

*Five hours, each term.*

**2. Intermediate German**—Review of grammar, conversation and composition. Reading of narrative prose and easy plays. Intended for those who began German in the second or third term in the University, or who had only one year in high school. Credit in the course is estimated wholly on this basis. *Five hours, each term.*

**3. Advanced German**—During the second year the work comprises advanced German Grammar and Composition, Syntax, German conversation throughout the year. Material to be read is selected from the following list: Heyse's Das Maedchen von Treppi; Baumbach's

Die Nonna; Wildenbruch's Das edle Blut; Seidel's Leberecht Huchchen; Frenssen's Peter Moor; Leander's Trauemereien; Keller's Das Fäehlein der sieben Aufrechten; Meyer-Foerster's Karl Heinrich; Freytag's Die Journalisten; Lessing's Minna von Barnhelm, Schiller's Wilhebra Tell; Goethe's Hermann und Dorothea. Professor SCHMIDT and Professor THORSTENBERG. *Four hours, each term.*

4. **Scientific German**—This course is recommended to students who are taking or plan to take special courses in natural science or in Medicine. Students desiring to enter this course should consult the instructor. Professor THORSTENBERG. *Three hours, each term.*

#### UPPER DIVISION

101. **Classical German**—Open to students who have had two years of German. Some works of Goethe, Schiller, Lessing, Kleist, Grillparzer, etc.; will be read. Professor SCHMIDT.

*Three hours, each term.*

102. **German Fiction and Contemporary Literature**—During the year some of the following works will be read: Sudermann's Der Katzensteg; Keller's Kleider Machen Leute; Meyer's Juerg Jenatsch; Wildenbruch's Der Letzte; Riehl's Burg Neideck, Der Fluch der Schoenheit; Frenssen's Joern Uhl, etc. Professor SCHMIDT.

*Three hours, each term.*

103. **Modern German Drama**—Some of the following dramas will be read: Fulda's Der Talisman or Das Verlorene Paradies; Wildenbruch's Harold, Hauptmann's Die Versunkene Glocke; Ernst's Flachsmann als Erzieher; Sudermann's Johannes or Heimat; etc. Professor THORSTENBERG.

*Three hours, each term.*

104. **German Poetry**—Poems of Goethe, Schiller, Uhland, Heine, etc., will be read. Hours to be arranged.

*Two hours, winter and spring terms.*

105. **Goethes' Faust**—Part I with commentary. Professor SCHMIDT.

*Two hours, fall and winter terms.*

106. **Goethe's Faust**—Part II with commentary.

*Two hours, two terms.*

107. **Heine's Prose**—Die Harzreise; Die Romantische Schule, and other selections will be read. *Two hours, fall and winter terms.*

108. **Historical and Philosophical German**—This course consists of the rapid translation of modern historical, philosophical and economic German. Hours to be arranged.

109. **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. Only students who have had at least two years of German will be admitted to this course. The text is Kutner's Commercial German.

*Two hours, one term.*

110. **Teaching of Modern Languages**—Discussion of methods of teaching German, French and Spanish; examination of texts. Open to juniors and seniors. Required of students who wish to be recommended as teachers of German, French or Spanish in the high schools of the state. Professor SCHMIDT.

*Three hours, spring or fall term.*

111. **Advanced German Composition**—Required of all students who wish to teach German. No credits allowed unless two terms are taken.

*Two hours, each term.*

112. **German Conversation**—Open to all students who have had two years of German. No credits allowed unless two terms are taken.

*Two hours, each term.*

113. **History of German Literature**—Lectures in English. Outside reading and papers on assigned topics will be required. Professor SCHMIDT.

*Two hours, each term.*

114. **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 addi-

tion to this, suitable selections from Ganghofer, Rosegger, Auerbach, Ebner-Eschenbach, Spielhagen and others will be assigned for outside reading. Professor SCHMIDT. *Three hours, each term.*

## GRADUATE DIVISION

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

201. **Middle High German**—Michels *Mittelhochdeutsche Grammatik*, 1910; Henriet, *Proben der Dichtungen des Mittelalters*, Berlin, 1898; *Selections from Nibelungenlied*; *Walter von der Vogelweide*; *Parsifal*; *Lexen, Mittelhochdeutsches Taschen-Woerterbuch*. *Two hours, two terms.*

202a. **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* (3rd edition); Behaghel's *Historical Grammar of the German Language*.

202b. **Old Icelandic**—Noreen's *Altislaendische and Alt Norwegische Grammatik* is used.

203. **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.

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

205. **Physiological Phonetics**—The sounds of English, German and French. Grandgent, *German, and English sounds* (Boston, Ginn & Co., 1892); Ripman'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, one term.*

## SCANDINAVIAN LANGUAGE 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 students 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.

## UPPER DIVISION

121. **Elementary Norwegian (Dano-Norwegian)**—Principles of grammar and the reading of easy prose. The texts used comprise Olson's *Norwegian Grammar and Reader*, or Holvik's *Beginner's Book in Norse*; Bjocronson's *Synnoeve Solbakken, or En glad Gut*; Lie's *Fortaellinger*; Kielland's *Novelletter*. *Three hours, each term.*

122. **Elementary Swedish**—Principles of grammar and the reading of easy prose. The texts used comprise: Elmqvist's *Swedish Grammar*, or Vickner's *Swedish Grammar*; Lagerloef's *En Herr gardssaegen*; Geijerstam's *Mina Pojkar*; Nyblom's *Det ringer*. *Three hours, each term.*

123. **Scandinavian Literature (conducted in English)**—Works of Rjocronson, 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. *Two or three hours, each term.*

124 and 125. **Advanced Norwegian or Swedish** — Study of works, in the original, of representative Scandinavian authors, supplemented by advanced prose composition and conversation. *Two hours, fall and winter terms.*

In order to be recommended as a teacher of German, students should take the following in this department:

	Catalog No. of Course	Term Hours
Advanced German .....	3	12
German Classical Drama .....	101	9
and either		
German Fiction and Contemporary Literature..	102	9
or		
Modern German Drama .....	103	9
or		
Middle High German .....	201	6
in addition to		
The Teaching of Modern Languages .....	110	4
German Conversation .....	112	4
and		
Advanced German Composition .....	111	4

## GREEK LANGUAGE AND LITERATURE

Professor STRAUB

Students who have had two or three years of Greek may enter the second or third term of the third or fourth year. Students may also enter Course 17 at the beginning of the second term.

## LOWER DIVISION

1. **Elementary Greek**—Gleason's Greek Primer.  
*Five hours, fall term.*
2. **Elementary Greek**—Continued as in 1.  
*Five hours, winter term.*
3. **Xenophon's Anabasis**—Harper and Wallace, Goodwin's Greek Grammar.  
*Five hours, spring term.*

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

4. **Anabasis Continued**—Books II, III. Greek grammar reviewed. Critical study of Greek prepositions. Daily translations from English to Greek. Textbooks in addition to those used in Course 3, Pearson's Greek Prose Composition and Adam's Greek Prepositions.  
*Four hours, fall term.*

5. **Xenophon Continued**—Same as 4, with select readings from other authors.  
*Four hours, winter term.*

6. **Homer's Iliad**—(Seymour) Books I to IV. Homeric language and verse (Seymour), Jebb's Homer. Study of the Homeric Palace (Isbam). Daily exercise in Greek prose continued. Special attention given to Homeric forms. The customs of the Homeric Greeks will be carefully studied.  
*Four hours, spring term.*

7. **Hellenistic Greek**—One or two of the books of the New Testament will be studied and the general principles of Hellenistic Greek noted.  
*Four hours, fall term.*

8. **Hellenistic Greek**—Same as 7. New Testament continued.  
*Four hours, winter term.*

9. **Hellenistic Greek**—Same as 7, with selections from Septuagint.  
*Four hours, spring term.*

Courses 7, 8, and 9 are intended chiefly for students who expect to prepare for the ministry, and are elective to other Greek students. Prerequisites: Courses 1 to 6, inclusive. Textbooks: Westcott and Hort's Greek New Testament recommended. Conybeare and Stock's selections from the Septuagint (Ginn & Co.).

10. **Xenophon's Memorabilia**—Demosthenes Philippic. (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, fall term.*

11. **Lysias' Orations** (Morgan's or Adam's)—Selections from Herodotus. Advanced Greek prose compositions.  
*Four hours, winter term.*

12. **Selections from the Plays of Euripides**—Study of the Attic Theater (Haigh).  
*Three hours, spring term.*

13. **Plato's Apology and Crito**—Croiset's Greek Literature.  
*Three hours, fall term.*
14. **Selection from the Comedies of Aristophanes**—Study of the influence of comedy on Greek thought and temperament.  
*Three hours, winter term.*
15. **Demosthenes De Corona** (Goodwin)—Also suitable extracts from Aeschines "Against Ctesophon." Study of Bredif's life of Demosthenes.  
*Three hours, spring term.*

## GREEK-ENGLISH COURSE

No Greek required. Open to all students.

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

16. **Greek Mythology**—Textbook: (Guerber) Collateral reading: Bullfinch's Age of Fable. Informal talks.  
*Two hours, fall term.*
17. **History of Greek Art**—(Tarbell). Greek sculpture (Gardner).  
*Two hours, winter term.*
18. **History of Greek Literature**—From Homer to Theocritus (Edward Capps). Homeric Society (Keller).  
*Two hours, spring term.*
19. **The Life of the Ancient Greeks**—(Gulick) The Ancient City (Coulages). The Attic Theater (Haigh).  
*Two hours, spring term.*

## UPPER DIVISION

120. **Pindar's Odes and Fragments**—Thucydides, book IV to VI.  
*Two hours, fall term.*
121. **Selections from Aristotle.**  
*Two hours, winter term.*

122. **Homer's Iliad**—Books VI to XXIV, read with a view to the study of the civilization and customs of the Homeric tribes.  
*Two hours, spring term.*
123. **Greek Epigraphy**—Textbook: Roberts.  
*Two hours, fall term.*
124. **Greek Inscription**—Textbook: Hicks' Manual of Greek Historical Inscriptions.  
*Two hours, winter term.*

## HISTORY

Professor CLARK      Professor .....      Professor BARNES  
Mr. ....

## LOWER DIVISION

A one year lower division course or its equivalent is required for entrance to upper division courses.

1a, 1b, 1c, **Modern European History**—The history of Europe from the Eve of the French Revolution to the present day. Emphasis will be placed upon the struggle for liberty and democracy, the growth of modern states, the expansion of Europe and the origins of the war. Economic, social, and intellectual development will also be included.

This course is open to freshmen entering at any term. Professors CLARK and BARNES.  
*Four hours, each term.*

2a, 2b, 2c, **The History of England**—A general survey of English History covering the political, constitutional, economic, and social aspects of development. A freshman course and may be entered by permission of the instructor at beginning of winter and spring terms by students of suitable preparation. Professor BARNES.  
*Three hours, each term.*

## UPPER DIVISION

101. **Ancient History**—History of Greece during fall term, history of Rome, winter term. Special attention will be given the



social, economic, and intellectual forces behind the political movements and to the development of the Roman system of government. Professor . . . . . *Four hours, fall and winter terms.*

102. **The Middle Ages**—A study of the development of Europe and its civilization from the decline of the Roman Empire to the age of Dante. Professor . . . . . *Four hours, spring term.*

103. **The Beginnings of Modern Europe (1273-1520)**—This course covers the transition from the mediaeval period of the universal church to the modern period of the independent states, from the age of Dante to the appearance of Luther. Professor BARNES. *Four hours, fall term.*

104. **The Europe of the Dynastic States (1520-1783)**—The rivalry of the leading European states in war, commerce, colonial expansion, culture, and religion from the appearance of Martin Luther to the Eve of the French Revolution. Professor BARNES. *Four hours, winter term.*

105. **The French and Russian Revolutions**—This course will treat the Old Regime in France, the rise and influence of the spirit of reform and its outcome in the French Revolution with its political, military, economic, and social experiments. The course will end with a briefer account of the revolutionary movement in Russia since 1870 as illuminated by comparison with the French Revolution. Professor BARNES. *Four hours, spring term.*

106. **American History 1783-1829**—A history of the United States from the end of the Revolution to the election of Andrew Jackson. Professor CLARK. *Four hours, fall term.*

107. **American History 1829-1865**—Covers the period of expansion and conflict from Jackson to the close of the Civil War. Professor CLARK. *Four hours, winter term.*

108. **American History Since the Civil War**—Special attention will be given to period of reconstruction following Civil War and to economic forces that have governed American life since that period. Professor CLARK. *Four hours, spring term.*

109. **American Diplomacy**—A history of the relations of the United States with other powers and the development of American foreign policies since 1789. (Not given 1920-1921). Professor CLARK. *Three hours, fall and winter terms.*

110. **The Great Historians**—The aim of this course is to acquaint the student with the work and method of the world's great historians and through their writings to study some of the more significant phases of world history. (Not given 1920-1921). Professor CLARK. *Three hours, spring term.*

111. **Economic History of Europe**—A study of the development of industry and commerce in Europe since the beginning of the eighteenth century. Specially suitable as preparation for commerce. Professor . . . . . *Three hours, fall and winter terms.*

112a, 112b. **Forerunners of the French Revolution**—A study of the influence of the leading 18th century writers upon the orators of the French Revolution. Students taking this course should have a general knowledge of the 18th century and a reading knowledge of French. Professor BARNES. *Two hours, winter and spring terms.*

113. **Colonial United States**—Discovery, exploration and settlement of the American Continent from the time of Columbus, and the history of the American Colonies to the end of the War of Independence. Professor . . . . . *Three hours, fall and winter terms.*

## 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. Professor CLARK. *Three hours, fall and winter terms.*

203. **The Pacific Orient**—China and Japan, their history, organization and policy, together with a consideration of their relations to the Pacific states of America. Professor . . . . . *Three hours, spring term.*

204. **Latin American History**—A study of the history, together with political, social, and economic conditions of the "Other Americas." Professor CLARK. *Four hours, spring term.*

205. **The Teaching of History**—A course designed for major students and others who are preparing to teach history in high schools. Professor CLARK and other members of department. *Two hours, winter term.*

### HOUSEHOLD ARTS

Professor LILLIAN TINGLE

Miss SHUMWAY

Mrs. DATSON

Miss RHODES

Miss SIBBALD

The courses in Household Arts are offered as a necessary part of liberal education for women. Pursuant to the ruling of the Board of Higher Curricula the work in Household Arts does not constitute a major department. Consequently, those taking work in Household Arts must fulfill the major requirements in some other department. The head of the Household Arts staff, however, may be chosen by students as adviser.

Many fields of activity are open to college women with training in the subjects pertaining to the home and home life. Those interested in social betterment and welfare work, in various phases of reconstruction work, in nursing, in teaching, in many forms of secretarial work, in journalism, in applied arts, and art education, will find special benefit from these practical courses. Freshmen and sophomores interested in Household Arts are advised to take in addition to their regularly prescribed work fundamental courses in Chemistry, Physics and Biology, and at least 30 hours in the elementary courses in this department.

The following program of studies is suggested for lower division students preparing to specialize in Household Arts.

#### FRESHMAN YEAR

	Fall	Winter	Spring
English Composition .....	3	3	3
Foreign Language .....	3-5	3-5	3-5
Chemistry .....	4	4	4
Sewing .....	3	3	3
Textiles .....	2	..	..
Dress Design .....	..	2	2
Personal Hygiene .....	..	..	..
Physical Education .....	..	..	..

#### SOPHOMORE YEAR

	Fall	Winter	Spring
Foreign Language .....	3-4	3-4	3-4
Elements of Cookery .....	4	4	4
Elementary Food Economics .....	..	3	..
Marketing .....	..	..	3
Home Decoration .....	2	2	2
Second Group Elective .....	3-5	3-5	3-5
Physical Education .....	..	..	..

#### LOWER DIVISION

1a. **Household Sewing and Garment Making**—Use and care of machines, study of materials and design, principles of construction, the making of type garments. Pre-requisite or parallel, Household Arts 2a. Lectures and laboratory three afternoons. Miss SHUMWAY. *Three hours, fall term.*

1b. **Household Sewing and Garment Making**—Continuation of the above course. Pre-requisite or parallel, Household Arts 1a and Household Arts 2b. Miss SHUMWAY. *Three hours, winter term.*

1c. **Household Sewing and Garment Making**—Continuation of the course. Parallel or pre-requisite Household Arts 2c. Students entering with high school credits in sewing may be admitted to the latter course, but credit cannot be given for a single term's work. Miss SHUMWAY. *Three hours, spring term.*

2a. **Elementary Textiles and Dress Design**—Identification of fabrics and microscopical study of fibers, physical and chemical tests, economic features of the textile industry. Prerequisites or parallel, Chemistry 1, either high school or college, except for upper-classwomen, by special permission of the head of the department. Miss SHUMWAY and Miss RHODES. *Two hours, fall term.*

2b. **Elementary Textiles and Dress Design**—Continuation of 2a. Study of lines, color and fabrics as applied to dress design, study of historic dress and ornament, planning of modern costumes based on the principles of design and color harmony adapted to individual requirements. Pre-requisite, Course 2a, except by permission of the head of the department. Miss SHUMWAY and Miss RHODES.

*Two hours, winter term.*

2c. **Elementary Textiles and Dress Designs**—Continuation of 2b. Miss RHODES.

*Two hours, spring term.*

4c. **Housewifery**—The care of the home and the systematic planning of daily routine, study of tools, materials, and methods for the cleaning, preservation and repair of household furnishings and equipment. Miss SHUMWAY.

*Three hours, spring term.*

5a. **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. Pre-requisite or parallel Food Economics and Chemistry 1, except by special permission. Not open to freshmen. Lectures and laboratory. Credit cannot be given for a single term's work. Professor TINGLE and Miss SHUMWAY.

*Three hours, fall and winter terms.*

5b. **Elements of Cooking**—Continuation of 5a. Pre-requisite 5a or credits in high school cooking. Professor TINGLE and Miss SHUMWAY.

*Four hours, winter term.*

5c. **Elements of Cooking**—Continuation of the above. Pre-requisite, 5a, b. Professor TINGLE and Miss SHUMWAY.

*Four hours, spring term.*

6a, b. **Elementary Food Economics**—This is an elementary courses, designed for students who have not taken the science courses that are pre-requisite 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 cost of food in relation to the family budget. An elementary knowledge of cooking is expected. Professor TINGLE and Miss SHUMWAY.

*Three hours, fall and winter terms.*

7c. **Marketing**—Study of the purchasing of food and household supplies, methods of buying, quality, quantity and tests, transportation and distribution of food, sources of supply, seasons and prices. Pre-requisite Household Arts 6a, b. Professor TINGLE.

*Three hours, spring term.*

8a. **The Home and Home Decoration**—The site, plan and construction of a house, application of structural art principles, choice and arrangement of household fabrics and furnishings, color, space and texture studies. Miss RHODES.

*Two hours, fall term.*

8b. **The Home and Home Decoration**—A continuation of 8a. Miss RHODES.

*Two hours, winter term.*

8c. **The Home and Home Decoration**—A continuation of 8b. Miss RHODES.

*Two hours, spring term.*

#### UPPER DIVISION

100a. **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 diet for different ages and conditions are worked out concretely. Pre-requisite, Elementary Chemistry and Physiology, Household Arts 5a, b and c, or equivalent training in food preparation. Lectures and laboratory. Professor TINGLE and Miss SHUMWAY.

*Three hours, fall term.*

100b. **Food and Nutrition**—Continuation of above. Professor TINGLE and Miss SHUMWAY.

*Three hours, winter term.*

100c. **Food and Nutrition**—Repetition of Course 100a. Professor TINGLE and Miss SHUMWAY.

*Three hours, spring term.*

101c. **Principles of Household Management**—The problems of the modern home maker from the ideal and practical point of view, study of the economic and scientific principles involved in maintaining household economy. Pre-requisite or parallel, Household Arts 4c and Sanitary Hygiene or Household Sanitation. Professor TINGLE.

*Three hours, spring term.*

102a. **Practical Food Preparation for Social Workers**—Problems of cost, preparation and service, purchasing and preparation of food in larger quantities, as in social welfare centers, community kitchens and school lunch rooms; study of family dietaries for reduced incomes. Pre-requisite, Household Arts 7c, with at least two courses in food preparation and Household Arts 6a, b, or 100a and b. Field work and practice in residence halls. Lectures and special studies. Professor TINGLE and Mrs. DATSON.

*Three hours, fall term.*

102b. **Practical Food Preparation for Social Workers**—Continuation of the above. Professor TINGLE and Mrs. DATSON.

*Three hours, winter term.*

102c. **Practical Food Preparation for Social Workers**—Professor TINGLE and Mrs. DATSON.

*Three hours, spring term.*

104a. **Home Nursing**—Emergencies, first-aid and simple home care of the sick, planning and serving meals for the sick and convalescent or for prescribed diets. Pre-requisite, at least two courses in food preparation or equivalent experience. Miss SIBBALD.

*Three hours, fall term.*

105b and c. **Care of Children**—Study of the physical and mental development of children, food and clothing for children from infancy to adolescence, general care and training for family life from the point of view of child welfare. Pre-requisite 104a or Red Cross course in home nursing. Professor TINGLE and Professor DEBUSK.

*Three hours, winter and spring terms.*

106. **Practice Housekeeping**—This course is intended to give practical experience in the problems of the home, including purchasing supplies, cleaning and laundry work, serving of meals, simple entertaining, etc. Students pay living expenses while in the practice house. Pre-requisite, Household Arts 4c; 5a, b, c; 6a, b or c; 7c and 101c.

*Three to five hours, according to time of residence.*

107b. and c. **Home Economics Journalism**—This course is intended to equip Household Arts students as contributors to newspapers and magazines. Pre-requisite, Journalism 102, and not less than 15 hours Household Arts credits, with parallel courses as

advised after conference with Professor Tingle. Professor TINGLE and Professor ALLEN. *Two hours, winter and spring terms.*

108a. **Household Budget Making**—This course deals with the general principles of business which are necessary for efficient home-making. Household budgets for various incomes and their apportionment for food, clothing, shelter, running expenses, insurance, etc. Professor TINGLE and Professor MORTON. *Three hours, one term.*

Students in food preparation courses provide themselves with regulation white aprons, holders, and small hand towels.

#### HYGIENE AND PHYSICAL EDUCATION

Professor CUMMINGS

Miss WINSLOW

Assistant Professor THOMSON

Miss WATERMAN

Miss . . . . .

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 playground supervisors and physical training teachers. All women are expected to take, during some one term of their freshman year, a lecture course in personal hygiene. Practical hygiene consisting of class work in physical training is required for three hours a week during both the freshman and sophomore years. It is arranged after a thorough physical examination and ranges from the most strenuous sports, like basketball and swimming, through gymnasium class work, to restricted or corrective exercise and massage. 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 only in the rarest cases is a student excused from the required amount of work for health maintenance and improvement.

#### PROFESSIONAL TRAINING

There is a growing demand for playground supervisors and for teachers of hygiene and physical education. Young women 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.

**Physical and Medical Examination**—All women whether freshmen or not, are required to have a physical examination upon entering college. Examinations are conducted in the examining rooms of the physical education department on the four days preceding the opening of the fall term and during the first week of this term; on the Saturday preceding the opening of the winter and spring terms and during the first week of these terms. Every effort should be made to have the physical examination completed before regular university work begins, especially in the cases of those whose physical condition makes it probable that some modification of the regular work in physical education must be made.

#### FEES

A small fee is charged all women registered in the department, to cover the use of pool and baths, locker, swimming suit, towels, 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 middie blouse and shoes suitable for outdoor athletics.

#### LOWER DIVISION

1. **Elementary Physical Education**—The regular freshman course, consists of gymnastics with strong posture emphasis during the fall and winter terms, of swimming, dancing or other sports during the spring term. Three periods a week. Miss WINSLOW.  
*One hour, each term.*

2. **Advanced Physical Education**—The regular sophomore course, consists of out door sports during October, gymnastics with apparatus work from November 1st to the beginning of the spring term, and either swimming, dancing or outdoor sports during the spring term. Three periods a week. Miss WATERMAN.  
*One hour, each term.*

3. **Corrective, Remedial or Restricted Exercise**—Three periods a week. Assistant Professor THOMSON and Miss.....

*One hour, each term.*

4. **Dancing**—Folk and national dances. Suggested for playground supervisors and majors in physical education or public school music. Two periods a week each term. Open to any qualified. Miss WINSLOW.

*One half hour credit for majors in Physical Education.*

4a. **Dancing**—Aesthetic dancing. Fundamental steps and terminology. Technique exercises and simple dances. For majors in physical education, dramatic interpretation and others qualified. Two periods a week. Miss WINSLOW.

*One-half hour for majors in physical education, each term.*

5. **Swimming**—Strokes, dives and speed swimming. Normal methods and practice in teaching for seniors in physical education and others qualified. Miss WINSLOW.

6. **Personal Hygiene**—Repeated each term. Lectures and text: Hough & Sedgwick's "Human Mechanism." Assistant Professor THOMSON.  
*Three hours, any term.*

7. **Applied Anatomy**—A study of the joints and principal muscle groups of the human body, with particular attention to their action. Open to sophomores; a prerequisite for majors in physical education. Text: Bowen & McKenzie Applied Anatomy. Professor CUMMINGS.  
*Four hours, winter term.*

8. **Visceral Anatomy**—A study of the human viscera, the vascular and nervous systems. Professor CUMMINGS.

*Four hours, spring term.*

#### UPPER DIVISION

100. **Advanced Gymnastics**—For majors in physical education and those preparing for playground supervision. Miss WATERMAN.

*One hour credit to physical education majors, each term.*

101. **Playground Supervision**—The hygienic, educational and social significance of play. The analysis of play activities; instruc-

tion in games, basketry and folk dancing; practical work with children. Open only to upperclass students. Miss WINSLOW and Miss WATERMAN  
*Three hours, each term.*

102. **Dancing**—A continuation of course 4a. Interpretive and character dances, dance composition, festivals. Three periods a week. Miss WINSLOW.

*One-half hour for majors in physical education, each term.*

103. **Technique of Teaching**—Gymnastic terminology, readiness in the use of commands, voice and personal bearing of the teacher, are given chief attention. Two periods. Miss WATERMAN.

*One hour, fall term.*

104. **Normal Instruction**—Practice in class instruction for facility in methods of demonstration, command and correction. Responsibility for rapid lesson movement and suitable progression. During the spring term analysis and composition of light apparatus exercises and simple dances. Two periods a week. Text: Skarstrom's "Gymnastic Teaching." Miss WATERMAN and Miss WINSLOW.

*One hour, winter and spring terms.*

105. **Emergencies and Bandaging**—Cause, nature and treatment of unconsciousness, hemorrhage, wounds, bruises, sprains and fractures. Bandaging, dressing, antiseptics and disinfectants. Demonstrations and practice. Text: Morrow's Immediate Care of the Injured. Dr. SAWYER and Miss THOMSON.

*Two hours, winter term.*

106. **Kinesiology**—The analysis of gymnastic, athletic and occupational movements from the standpoint of their motor mechanism. Prerequisites, Courses 2 and 7. Text: Skarstrom's Kinesiology. Miss WATERMAN.

*Five hours, spring term.*

107. **Theory and Practice of Physical Education**—Physical education in relation to public health, its place in the educational scheme; adaptations of subject-matter and method. Organization and administration of physical training in high schools, in elementary schools, supervision. Lectures and library work, in which the student becomes more or less familiar with current literature on the subject. Professor CUMMINGS.

*Three hours, fall, winter and spring terms.*

108. **Theory and Practice of Corrective Gymnastics**—Lectures, demonstrations, assigned reading and practice of corrective gymnastics and massage. Two hours' lecture; three hours' practice. Prerequisites, kinesiology and physiology. Miss . . . . .

*Three hours, fall and winter terms.*

109. **Anthropometry and Physical Examination**—The symptomatology of common ailments; the interpretation of health history and physical signs; the technique of physical measurements and tests. Prerequisites, kinesiology and physiology. Assistant Professor THOMSON.

*Three hours, spring term.*

110. **Eugenics**—Reproduction, heredity, environment and disease as related to racial health. Negative measures for race improvement; positive measures. Lectures and references. Prerequisites, botany or zoology. Professor CUMMINGS.

*Two hours, winter term.*

111. **History of Physical Education**—A study of historical methods by which health and physical efficiency have been maintained through exercise. Assistant Professor THOMSON.

*Two hours, fall term.*

#### COURSES FOR TEACHERS OF PHYSICAL TRAINING

##### JUNIOR YEAR

Fall	Winter	Spring
Kinesiology . . . . . 5	Physiology . . . . . 5	Physiology . . . . . 5
Tech Teach . . . . . 1	Normal Inst. . . . . 1	Normal Inst. . . . . 1
Prin. of Ed. . . . . 3	Observation . . . . . 3	Theory of Physical Education 3
Playground . . . . . 3	Playground . . . . . 3	Playground . . . . . 3
Gym . . . . . 1½	Gym . . . . . 1½	Gym . . . . . 1½
Elective . . . . . 3 or 4		

##### SENIOR YEAR

Cor. Gym. . . . . 3	Cor. Gym. . . . . 3	Anthropometry & Physical Diag- nosis . . . . . 2
Theory Physical Education . . . . . 3	Theory P. E. . . . . 3	Bandage & Emergency . . . . . 2
Hist. P. T. . . . . 2	Eugenics . . . . . 2	Teach . . . . . 2-3
Teach . . . . . 2-3	Gym . . . . . 1½	Teach . . . . . 2-3
Gym . . . . . 1½		Gym . . . . . 1½
Elective . . . . . 4		

Prerequisites for this professional course are one year each of physics, chemistry, zoology and psychology, with Courses 7 and 8 in this department, a fair degree of skill in gymnastics and dancing and a mastery of at least two sports.

The course permits the combination of a broad cultural course with technical training by electives in literature, history or language; or the enrichment of the technical course through closely related subjects. Especially valuable are sanitary hygiene, mental hygiene, school hygiene, clinical child psychology and school administration. The last combination should prepare for comprehensive health supervision, including physical training, in the moderate sized school system. Those desiring to study medicine later can complete the full pre-medical course in connection with the above outline.

### JOURNALISM

Dean ALLEN      Professor TURNBULL      Professor THACHER  
 Professor DYMENT      Assistant Professor HALL

An attempt has been made to combine the large number of journalism courses heretofore given into a smaller number of continuous and compact courses. For the benefit of students who have already taken part of these courses and students entering from other universities the elements of the courses are listed separately and may be taken in such a way as not to duplicate previous work, but apart from such special cases, all courses listed under a single number should be taken as a single course.

#### 1. GROUP OF COURSES KNOWN AS "FRESHMAN JOURNALISM"

1. **Pre-Journalism English**—Intensive work in the choice of words and the framing of sentences, paragraphs, news articles and other types of literary production, with special attention to punctuation, typographical directions, and the requirements of newspaper style. Professor THACHER.  
*Two hours each term.*

This course is combined with:

1. **Elementary Newswriting and News Gathering**—Including fundamentals of general reporting, interviewing, news analysis, note

taking, together with a study of news sources and lectures upon the modern newspaper. Professor TURNBULL. *Two hours, each term.*

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. In the latter part of the course, consideration is given the standards and policies of contemporary magazines, and an attempt is made to produce marketable work. Professor THACHER.

*Two hours, each term.*

#### 103. GROUP OF COURSES KNOWN AS "OFFICE AND SHOP"

103. **Typography**—The study of type and its uses. Includes its nomenclature, classification, measurement, adaptation to distinctive uses, relative economics, and esthetic principles, together with a study of its historic development. Dean ALLEN.

*Two hours, fall term.*

Combined with:

103. **Proofreading**—Includes both book and newspaper proof correction. A study of hand set, linotype and monotype proofs and their peculiarities. The tracing of all types of errors in proof to their characteristic causes. All forms of corrections, together with a criticism of printer's adaptation of type and format to idea and purpose. Professor TURNBULL. *One hour, fall and winter term.*

Combined with:

103. **Printing Materials**—Printing presses: varied uses and advantages and disadvantages of different designs. Paper: the different grades and kinds studied with reference to their appropriate employment. Paper measurement, weights and sizes. Ink. Typesetting machines. Trimmers, stitchers, folders, cutters and other printing machinery. Dean ALLEN and Assistant Professor HALL.  
*One hour, winter term.*

Combined with:

103. **Country Journalism**—All departments of newspaper work from the point of view of the country weekly. Includes reporting,

editing, financing, shop management, circulation, advertising, and the handling of the country correspondence and agricultural news, analysis of the "field" of the country weekly. Dean ALLEN.

*Two hours, winter term.*

Combined with:

103. **Cost Accounting**—The Standard system of cost accounting for printers, with special reference to the small newspaper shop. Lectures, exercises, and practical laboratory in shop of the University Press, which belongs to the School of Journalism as its laboratory. Dean ALLEN.

*One hour, spring term.*

Combined with:

103. **Illustrative Processes**—Typographical division for colors, wood cuts, zinc and copper etching, photo-engraving, stereotyping and electrotyping, lithographing, photogravure, rotogravure and offset processes. Dean ALLEN.

*One hour, spring term.*

Combined with:

103. **Printshop Laboratory**—Actual work in printshop under careful instruction. All kinds of work handled sufficiently to give the student familiarity with printshop methods and problems. (This element of course may be taken separately by students in Education expecting to establish or to be connected with High School printing laboratories.) Assistant Professor HALL.

*One hour, each term.*

#### 102. GROUP OF COURSES KNOWN AS "NEWS"

102. **Advanced Newswriting**—Designed to carry a step further the training given in the elementary course. The student is developed toward professional standards, to the point where his news stories can be published in the daily papers with a minimum of editing. News sense is cultivated and a critical appreciation of news values stimulated. The student is encouraged to develop his "nose for news" by seeking "news tips" for which credit is given when reported to instructor, who acts as a "city editor" for his class of reporters. Three news assignments weekly are given each student, and all are prepared with a view to probable publication in some of

the available University, town and state papers. Types of news-writing in leading newspapers of the country are studied. Methods of handling typical difficulties in newsgetting are considered. Professor TURNBULL.

*Three hours, each term.*

This course is combined with:

102. **Copyreading**—This is the critical part of the course, as the Advanced Newswriting is its constructive portion. The class works around a typical newspaper copy desk, where the members handle all the copy designed for publication in the student paper, editing it, correcting and revising any errors of fact, style and treatment. Here also is available for practice work the full report of the United Press leased wire. All matter edited is fitted with headings by the students. Headwriting is an important part of the course. The purpose of the copyreading work is to develop the critical observation, as well as to increase the student's faculty for quick emendation of what is erroneous or otherwise faulty. The copy reading is given at six periods of two hours each during the week, and the student has his choice of any three of these. Professor TURNBULL.

*Two hours, each term.*

#### 104. GROUP OF COURSES KNOWN AS "EDITING"

104. **Practical Editing**—Gathering material, selecting, rejecting, re-editing, heading, supervising make-up, and writing news and editorial where necessary. Class edits and actually prints a weekly News Bulletin which circulates throughout Oregon; a monthly magazine, Oregon Exchanges, which is widely read by newspapermen, and other publications from time to time. Combined with:

104. **Exchanges**—The study of contemporary newspapers. One term on Oregon publications and one term on United States and foreign. Includes a general study of contemporary journalism. Combined with:

104. **History of Journalism**—One term on beginning of Journalism in Europe together with a study of earlier methods of disseminating public information. Two terms on American journalism. Combined with:



104. **Journalistic Ethics**—A consideration of the place of Journalism in society and of its power for good and evil. An attempt to discover permanent principles of right action. Discussion of timely events in contemporary journalistic world and newspaper policies therein exemplified. Combined with:

104. **Editorial Writing**—Theory and practice. Combined with:

104. **Analysis of News**—The economic interpretation of current events. The motives and personalities behind the news. Current propagandas and the editorial aims and purposes of various publications which are studied and discussed in class. Combined with:

104. **Newspaper Problems**—A careful watch is kept on current happenings in the journalistic world, and an effort is made to analyze cause and effect, frequently through correspondence with the editors and publishers concerned.

The above course, including all elements numbered 104, is given five times a week for three terms in the senior year. Dean ALLEN.

*Five hours, each term.*

105. **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. Hours to be announced. Dean HOPE.

106. **Advertising**—Complete course in theory and practice. Definitions; psychology of advertising; consideration of media; determining how much to spend. Preparation of copy; consideration of returns. Examples of effective advertising, with an analysis of the principles, psychological and typographical, of the pulling power. Practice will be given in the preparation of copy designed for appeal to different classes of readers. Principles of display, including illustration and color, will be discussed. Textbook: "Advertising, Its Principles and Practice," by Tipper, Hotchkiss, Hollingsworth and Parsons. Winter term, Psychology of Advertising, Miss HAGER. Spring term, Practice of Advertising, Professor THACHER.

*Three hours, two terms.*

107 b and c. **Home Economics Journalism**—This course is intended to equip Household Arts students as contributors to newspapers and magazines. Prerequisites: Journalism 102 and not less than fifteen credits in Household Arts. With parallel courses as advised after conference. Professor TINGLE, Dean ALLEN.

*Two hours, winter and spring term.*

108. **Current Events**—Dean ALLEN. *One hour, each term.*

109. **Estimating on Printing Jobs**—Elective for seniors who expect to work in smaller cities. Prerequisite, courses numbered 103. Assistant Professor HALL.

110. **Business Management Laboratory**—One hour a week, winter and spring terms. Dean ALLEN and Assistant Professor HALL.

111. **Printshop Laboratory**—Advanced work, a continuation of certain sections of 103 for the benefit of students expecting to manage job printing establishments. Assistant Professor HALL.

114. **Advanced Writing**—A course of seminar character. Open to advanced students who desire to enter the field of authorship. Professor THACHER. *Two hours, each term.*

115. **Advanced Magazine Writing**—A course in journalistic writing. Special articles, fictionalized essays, and general types of writing for which there is a market among contemporary magazines and newspapers. Professor THACHER. *Two hours, each term.*

120. **Trade Journalism**—The greater industries of the United States and their specialized journalism. The principles of class journal publication; analysis of field (advertiser, subscriber, reader, contributor), financing the trade journal, writing for the trade journal, handling correspondents, editorial writing in technical fields, advertisement and circulation policies. Prerequisite, Groups 102 and 103. Professor DYMENT. *Two hours, each term.*

121. **Interpretative Reporting**—The higher branch of journalistic writing in which it is not enough to report the bare fact. Analysis of motives; study of probable consequences; exposition of the idea of principle underlying the fact. Political and economic

news; feature writing and special articles, interpretative editorials. Prerequisite, Group 102. Professor DYMONT. *Two hours, each term.*

171. **Criticism**—This course is advised for juniors majoring in journalism. It will afford practice in the writing of musical, dramatic, art and literary criticism. Professor BATES. *Three terms.*

## LATIN

Professor DUNN

Professor CLARK

Miss GILSON

## LOWER DIVISION

Students planning to make Latin their major subject should include in their lower division program courses 21, 22 and 23. Courses 24, 25 and 26 also are recommended. Students whose preparatory work has not included Ancient History should elect it in the lower division, if possible.

1. **Beginning Latin**—Professor CLARK. *Five hours, fall term.*
2. **Beginning Latin** (continuation of Course 1)—Professor CLARK. *Five hours, winter term.*
3. **Caesar**—Selections from the Gallic war. Latin prose composition. Professor CLARK. *Five hours, spring term.*
4. **Caesar** (continuation of Course 3)—Professor CLARK. *Four hours, fall term.*
5. **Cicero**—Selected orations. Latin prose composition. Professor CLARK. *Four hours, winter term.*
6. **Cicero** (continuation of Course 5)—Professor CLARK. *Four hours, spring term.*
7. **Vergil**—Selections from the Aeneid. Professor CLARK. *Four hours, fall or spring term.*
8. **Vergil**—(Continuation of Course 7). Professor CLARK. *Four hours, winter term.*

9. **Vergil**—Selections from the poems (continuation of Course 8). Professor CLARK. *Four hours, spring term.*
21. **Cicero's De Amicitia** and selected Odes from Horace. Professor DUNN. *Three hours, fall term.*
22. **Terence's Andria**—Horace's Odes (continued). Professor DUNN. *Three hours, winter term.*
23. **Sallust's Jugurtha**—Horace's Odes (concluded). Professor DUNN. *Three hours, spring term.*
24. **Tacitus, Agricola and Germania**—Selected Letters of Pliny. Professor DUNN. *Three hours, fall term.*
25. **Martial's Epigrams**—Pliny's letters (continued). Professor DUNN. *Three hours, winter term.*
26. **Suetonius' Life of Augustus**—Quintilian, Book X. Professor DUNN. *Three hours, spring term.*
41. **The Private Life of the Romans**—Lectures, readings and reports. Knowledge of Latin not a pre-requisite. Professor CLARK. *Three hours, fall term.*
42. **Roman Literature**—Lectures and readings. Professor DUNN. *Three hours, winter term.*
44. **Our Inheritances from the Graeco-Roman Civilization**—Lectures, readings and reports. Professor DUNN. *Three hours, fall term.*
45. **Comparative Mythology**—Lectures and reports. Professor DUNN. *Three hours, winter term.*
46. **Topography of Rome**—Lectures, readings. Professor DUNN. *Three hours, spring term.*

## UPPER DIVISION

- 101, 102, 103. **Selected Reading Course**—For juniors. (Seventh Year in Latin). To be arranged. Professor DUNN. *Three hours, each term.*

## 111, 112, 113. Latin Pedagogy—Professor DUNN.

*Three hours, each term.*

Graduate students in the Latin department will have open to them in the college year 1920-21 and the succeeding year, courses in Latin Literature, Ovid and Roman Religion, Corpus Caesarianum, Topography of Rome.

Advanced students in Latin have before them opportunity for advancement in teaching the subject.

## LAW

Dean HOPE                      Professor BARNETT                      Professor WARNER  
Mr. BRYSON                      Professor LARREMORE

The courses of instruction are arranged to present, as far as possible, the fundamental topics of the law during the first year, and the more specialized subjects during the second and third years.

It cannot be brought home too often or too forcibly to the young men of Oregon that they must lose much by going outside of Oregon to study law, if they intend to practice in this state. They will lose not only the value of daily references to important Oregon decisions and statutes, familiarizing them with the substantive law of this state, but quite as important a loss and handicap will be suffered by their having deprived themselves of that skill and confidence in the preparation and trial of cases which a thorough course in the procedure and practice peculiar to Oregon would have imparted. (See Course 251).

## FIRST YEAR

101. **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.), Dean HOPE. *Four hours throughout year.*

102. **Criminal Law**—Nature of crime; source 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 LARREMORE. *Three hours, fall term.*

103. **Torts**—Trespass to persons, 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 WARNER.

*Three hours, fall and winter terms.*

104. **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 LARREMORE.

*Three hours, winter and spring terms.*

105. **Civil Procedure at Common Law**—This course consists of a general survey of the principles of common law and code pleading with special emphasis upon the demurrer, confession and avoidance, and the traverse, followed by a special study of the more common

forms of action, including the necessary obligations therein and the methods of pleading defenses. Scott, Cases on Civil Procedure. Professor WARNER. *Three hours, fall and winter terms.*

106. **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 LARREMORE. *Four hours, spring term.*

107. **Principles of Liability**—A study of liability, causation and negligence, with special emphasis upon these principles as applied in damage suits. Beale, Cases on Legal Liability. Professor WARNER. *Three hours, spring term.*

#### SECOND YEAR

220. **Equity 1—Contracts and Torts**—The origin, development, maxims, principles and doctrines of equity; relation between equitable rights and powers and legal rights and powers; jurisdiction, procedure and remedies of courts of equity; the equitable relations and remedies involved in obligations *ex contractu* and obligations *ex delicto* considered with respect to their interplay with the corresponding legal relations and remedies; specific performance of contracts, with emphasis on the special trust relations arising under executory contracts between vendors and purchasers of realty; specific prevention and reparation of torts; prohibitory and mandatory injunctions for such torts as waste, trespass, nuisance, infringement of patents and copyrights, interference with business relations, violations, violations of rights of privacy. Ames, Cases in Equity Jurisdiction, vol. I. Dean HOPE. *Four hours, spring term.*

221. **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. Scott, Cases on Trusts. Professor WARNER. *Three hours, fall and winter terms.*

222. **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.). Dean HOPE. *Three hours, fall and winter terms.*

223. **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 fraud. Woodward, Cases on Sales. Dean HOPE. *Three hours, fall and winter terms.*

224. **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 necessities; 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.

225. **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. Smith and Moore, Cases on Bills and Notes. Dean HOPE.

*Four hours, spring term.*

226. **Property 2**—This course continues the subject as concluded by Property 1 by which it must be preceded, and includes during the first term a detailed study of title to land, especially in relation to possession and the subject of landlord and tenant. The following topics are considered: Nature and importance of legal possession; remedies to recover legal possession wrongfully withheld; effect of statutes of limitations; tacking of successive periods of adverse possession; "constructive" adverse possession under color of title; intent as element of title to legal possession; possession through occupation of a servant or agent; possession through occupation of a tenant; relationship of landlord and tenant compared with rights and liberties of persons in various other relations; possession through a co-tenant's occupation; exceptions and interruptions to running of statutes of limitations. Creation of relationship of landlord and tenant; duration of tenant's interest; eviction and its effects; remedies of landlord for non-performance of tenant's obligations; remedies of tenant against landlord; covenants running with the land between landlord and tenant; rights, liberties and duties of landlord with respect to third persons; rights, liberties and duties of tenant with respect to third persons. During the second term 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 LARREMORE.

*Three hours, fall and winter terms.*

227. **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 LARREMORE.

*Three hours, spring term.*

228. **Insurance**—A general survey of insurance law, life, accident, fire and marine insurance, with respect to: insurable interest;

concealment; misrepresentation; warranties; other causes of invalidity of contract; amount of recovery; subrogation; conditions; waiver, estoppel, election, and powers of agents; assignees and beneficiaries. Under marine and fire insurance will be included a thorough consideration of the doctrine of general average, and the standard fire policy generally adopted in the United States. Wambaugh, Cases on Insurance.

229. **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 WARNER.

*Four hours, spring term.*

#### THIRD YEAR

240. **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 LARREMORE.

*Four hours, spring term.*

241. **Constitutional Law (Political Science 101)**—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. McClain, Cases on Constitutional Law. Professor BARNETT.

*Four hours, fall term.*

242. **Law of Officers (Political Science 102)**—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 Administrative Law, and selected cases. Professor BARNETT.

*Four hours, winter term.*

243. **Corporations, Municipal (Political Science 103)**—The nature, constitution, powers and liabilities of public corporations. Beale, Cases on Municipal Corporations. Professor BARNETT.

*Four hours, winter term.*

244. **International Law. (Political Science 104)**—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.

*Four hours, spring term.*

245. **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 powers 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. Warren, Cases on Corporations. Professor WARNER.

*Three hours, fall and winter terms.*

246. **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 agreement respecting debts; distribution of assets to creditors and between partners; limited partnership. Ames, Cases on Partnership. Professor LARREMORE.

247. **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. Bur-

dick, Cases on Public Service; Green, Cases on Carriers. Professor WARNER.

*Three hours, fall term.*

248. **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. Dean HOPE.

249. **Suretyship**—Nature of the contract of suretyship; surety's defenses against the creditors, 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. Dean HOPE.

250. **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 LARREMORE.

251. **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. Mr. BRYSON.

*Two hours, throughout the year.*

252. **Moot Court**—During the first year all students taking law courses with a view to practicing law are required at frequent intervals to argue cases on submitted statements of fact, before their fellow students and members of the law faculty.

*One hour, throughout year.*

### MATHEMATICS

Professor DECOU

Professor MILNE

Professor MCALISTER

Miss COPENHAVER

Mrs. BENDSHADLER

The basic importance of a knowledge of Mathematics, at least through Advanced Algebra and Plane Trigonometry, and in many cases through Calculus and Differential Equations, was deeply impressed upon our soldiers in the scientific fighting of the great world war.

Reconstruction and peace problems will demand a much wider range of scientific study for which mathematics lays the solid foundation.

The courses offered are extended in scope and aim to meet the needs especially of the following three groups: First, those students seeking rigorous mental discipline through the study of an exact science; Second, those desiring a mathematical basis for the study of the Natural and Applied Sciences, such as Physics, Chemistry, Astronomy, Geology, Biology, Architecture, Engineering and Commerce; Third, those preparing to be teachers of high school mathematics, for whom there is always a demand in excess of the supply.

Courses 1, 2, 3, 4 and 7 are designed for students in general courses who desire to secure a good foundation for their work in the Sciences, for students of Commerce and Architecture, and for those who expect to teach Mathematics in conjunction with other high school subjects. Courses 2 and 6 are required of freshmen in Commerce. Courses 2, 3, 4 and 7 are required of students of Architecture.

Major students in Mathematics and those preparing for Engineering should take the following courses during the first two years: freshman year, Course 5; sophomore year, Course 102.

Advanced and graduate students in Mathematics are offered a number of fundamental elective courses, arranged to give breadth

and symmetry to their mathematical training for both the Bachelor's and Master's degree.

Freshmen entering the second or third terms will find Courses 2, 3, 4, 5 and 6 open to them if sufficiently prepared.

Students planning to make Mathematics their major subject should include in their lower division subjects at least Mathematics 1, 2, 3 and 4, and in many cases Mathematics 7.

### LOWER DIVISION

1. **Solid Geometry**—Professor MILNE. *Four hours, fall term.*

2. **Advanced Algebra**—An elementary course open to freshmen. Required of students in Commerce and Architecture. Fundamental to all work in Military Science. This course is followed in the winter and spring terms by either Plane Trigonometry or Mathematical Theory of Investment. Professors DECOU and MILNE.

*Four hours, fall, winter or spring term.*

3. **Plane Trigonometry**—An elementary course open to freshmen. It should be preceded by Advanced Algebra, Course 2. Required of students in Architecture. Fundamental to all work in Military Science. Followed in spring term by Analytical Geometry or Mathematical Theory of Investment. Professors DECOU and MILNE.

*Four hours, winter or spring terms.*

4. **Analytical Geometry**—Open to freshmen who have had Advanced Algebra and Plane Trigonometry. Required of students in Architecture. Fall term, Professor DECOU. Spring term, as part of course 5 in Freshman Mathematics. Professor MILNE.

*Three hours, fall term; four hours, spring term.*

5. **Freshman Mathematics** (Advanced Algebra, Plane Trigonometry and Analytical Geometry)—Open to freshmen. A combined course, stressing Advanced Algebra in the fall term, Plane Trigonometry in the winter term and Analytical Geometry in the spring term. Students looking toward major work in Mathematics, Engineering or Science are advised to take this course. Prerequisite three semesters of Elementary Algebra. Professor MILNE.

*Four hours, each term.*

6. **Mathematical Theory of Investment**—An elementary treatment of interest, annuities, valuation of bonds, sinking funds, building and loan associations, life insurance, etc. Open to freshmen and others who have had Advanced Algebra. Required of Commerce students. Professors DECOU and MILNE.

*Four hours, winter or spring term.*

7. **Differential and Integral Calculus**—An introductory course for literary and scientific students. Pre-requisite Analytical Geometry, Course 4. Required of students in Architecture. Professor MILNE.

*Three hours, winter and spring terms.*

8. **Elements of Statistical Methods; Theory and Use of the Slide Rule**—This course is designed for students majoring in Commerce, Economics, Education, Journalism, Architecture, Mathematics and the Natural Sciences, who have occasion to compile and interpret statistics. The theory and the use of the Slide Rule is included for its practical use in shortening the work of computation. The treatment is largely non-mathematical, but students will be benefited by taking Course 2 in Advanced Algebra beforehand. Professor DECOU.

*Three hours, one term.*

#### UPPER DIVISION

101. **Teaching and History of Mathematics**—Especially intended for high school teachers. The course includes a study of the methods of teaching secondary mathematics, a careful examination and comparison of recent texts as they exemplify these methods and the humanizing of mathematics teaching through a knowledge of the history of the great men who developed the science. Professor DECOU.

*Three hours, spring term.*

102. **Differential and Integral Calculus**—A fundamental course to Mathematics, Science and Engineering, laying a thorough foundation for all future work in mathematics and its applications. Professor DE COU.

*Four hours, each term.*

103. **Differential Equations**—A practical course in the solution of Ordinary and Partial Differential Equations. Pre-requisite, Course 102, Differential and Integral Calculus. Professor MILNE.

*Three hours, fall term.*

104. **Higher Algebra**—A more advanced and rigorous treatment of the topics of the preceding courses, together with the addition of many new topics. Hours to be arranged. Professor MILNE.

105. **Theory of Equations and Determinants**—An important course giving the essential principles required in various advanced studies. Hours to be arranged. (Not given in 1920-21). Professor DECOU.

*Three hours, spring term.*

106. **Solid Analytical Geometry**—An advanced course dealing with surfaces of the second degree and their properties, together with some discussion of surfaces in general. Professor DECOU.

*Three hours, spring term.*

107. **Advanced Calculus**—An important course rounding out undergraduate study of mathematics. It includes definite integrals, improper integrals, power series, Fourier's series, elliptic functions and other special functions. Applications to Physics, Mechanics and Astronomy receive special emphasis. Prerequisite, Course 102. (Not given in 1920-21). Professor MILNE.

*Three hours, two terms.*

108. **Analytical Trigonometry**—Pre-requisite, Plane Trigonometry. Professor DECOU.

*Three hours, fall term.*

109. **Theory of Functions of a Complex Variable**—Hours to be arranged. Professor DECOU.

*Three hours, one term.*

110. **Projective Geometry**—An analytical 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. Pre-requisite, Mathematics 5 and 102. (Not given in 1920-21).

*Three hours, one or two terms.*

111. **Higher Plane Curves**—An advanced course based on analytical geometry and calculus. (Not given in 1920-21).

*Three hours, each term.*



112. **Differential Geometry**—A short introductory course based on Eisenhart's Differential Geometry. Pre-requisite, Course 102. Professor MILNE. *Three hours, one term.*

113. **Advanced Analytic Geometry**—A more advanced treatment of the subject, pre-supposing Course 4, and intended for students of fair mathematical maturity. Professor DECOUR. *Three hours, winter term.*

139. **Applied Mathematics**—This course is intended for students of Chemistry and Physics, and embraces a rapid review of Differential and Integral Calculus, with applications to problems of Physics and Chemistry; the development of Infinite Series; elements of Differential Equations; Fourier's Theorem; Theory of Probability and Adjustment of Errors; Calculus of Variations. A course in Calculus should precede this course. Hours to be determined. Professor McALISTER. *Three hours, two terms.*

#### GRADUATE COURSES

On application instruction will be provided for graduates and others of sufficient mathematical maturity and training in additional advanced courses.

#### 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 complete files of the American mathematical journals and the *Mathematische Annalen* and receives regularly the current numbers of these journals and some other foreign ones.

A collection of the famous Brill models 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 geodesic lines, lines of curvature, circular and principal sections, etc.; also wire and thread models, illustrating ruled surfaces and generating lines of conicoids. A spherical blackboard, three feet in diameter, blackboard apparatus for use in geometrical constructions, and numerous models

and drawing 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.

In order to be recommended as a teacher of Mathematics the student should take the following courses in this department as a minimum preparation:

	Catalog No.	Term
	of Course	Hours
Advanced Algebra and Trigonometry .....	2 and 3	8
Analytic Geometry and Calculus .....	4 and 7	9
Theory of Equations and Determinants .....	105	3
Teaching and History of Mathematics .....	101	3

#### MECHANICS AND ASTRONOMY

Professor McALISTER

##### LOWER DIVISION

11. **Elementary Mechanics**—The course covers the fundamental principles of Statics and Kinetics, with applications to problems which can be solved by elementary methods. Trigonometry is a pre-requisite. *Three hours, winter and spring terms.*

##### UPPER DIVISION

101. **Analytical Mechanics**—First term, statics; second term, particle dynamics; third term, dynamics of a rigid body. Calculus is a pre-requisite. *Three hours, each term.*

102. **Applied Mechanics**—A course for students of architecture, including analytical statics, and strength of materials. *Three hours, each term.*

103. **Theory of Elasticity**—The mechanics of elastic solids; applications to the strength, resistance and deformation of the ordinary materials of construction. *Four hours, spring term.*

104. **Hydrodynamics**—The mechanics of fluids, with special reference to liquids, but including also some applications to air and other gases. *Four hours, winter term.*



1. **Basic Course**—1, Military Courtesy; 2, School of the Soldier; 3, School of the Squad; 4, Nomenclature of the Rifle; 5, Preliminary Target Instruction; 6, Bayonet Practice.

*One credit, fall term.*

2. **Basic Course**—1, Military Hygiene; 2, School of the Company; 3, Bayonet Practice; 4, Estimating Distance Drills; 5, Gallery Practice; 6, Guard Duty; 7, Field Equipment & Pack; 8, Guard Mounting; 9, Map Reading; 10, Combat Firing on Miniature "B" Range.

*One credit, winter term.*

3. **Basic Course**—1, Map Problems; 2, School of the Company; 3, School of the Battalion; 4, Small Problems for Infantry; 5, Guard Mounting; 6, Combat Firing on Miniature "B" Range; 7, Ceremonies; 8, Tent Pitching; 9, Individual Cooking; 10, Fire Direction & Fire Control Exercises; 11, Marching; 12, Combat Firing on "B" Range; 13, Range Practice.

*One credit, spring term.*

1a. **Basic Course**—Same as Course 1 plus outside supplementary reading. (Text books furnished by Military Department).

*Two credits, fall term.*

2a. **Basic Course**—Same as Course 2 plus outside supplementary reading. (Text books furnished by the Military Department).

*Two credits, winter term.*

3a. **Basic Course**—Same as Course 3 plus outside supplementary reading. (Text books furnished by the Military Department).

*Two credits, spring term.*

4. **Basic Course**—1, Continuation of Course 3; 2, Signalling; 3, Minor Tactics; 4, Elementary Field Engineering.

*One credit, fall term.*

5. **Basic Course**—1, Continuation of Course 4; 2, Range Finding; 3, Gallery Practice; 4, Elementary principles of Musketry; 5, Minor Tactics; 6, Ceremonies.

*One credit, winter term.*

6. **Basic Course**—1, Continuation of Course 5; 2, Elementary principles of Musketry; 3, Minor Tactics; 4, Field Combat Problems; 5, Ceremonies; 6, Liaison; 7, Elementary Topography.

*One credit, spring term.*

4a. **Basic Course**—Same as course 4 plus outside supplementary reading. (Text books furnished by the Military Department).

*Two credits, fall term.*

5a. **Basic Course**—Same as Course 5 plus outside supplementary reading. (Text books furnished by the Military Department).

*Two credits, winter term.*

6a. **Basic Course**—Same as Course 6 plus outside supplementary reading. (Text books furnished by the Military Department).

*Two credits, spring term.*

#### UPPER DIVISION

Courses 101, 102 and 103 in the junior year and 104, 105 and 106 in the senior year are the minimum requirements for men seeking commissions. Courses 111-116 may be elected in addition to these minimum requirements.

101. **Advanced Course**—1, Practical work in instructing in military subjects; 2, Elementary Military Administration; 3, Minor Tactics; 4, Elementary Military Law; 5, Gallery Practice; 6, Ceremonies.

*Three credits, fall term.*

102. **Advanced Course**—1, Practical Work, instructing in military subjects; 2, Camp Hygiene; 3, Care of Troops in the Field; 4, Elementary Administration; 5, Minor Tactics; 6, Elementary Military Law; 7, Gallery Practice; 8, Ceremonies.

*Three credits, winter term.*

103. **Advanced Course**—1, Practical Work, instructing in military subjects; 2, Minor Tactics; 3, Elementary Military Law; 4, Elementary Military Administration; 5, Combat Firing on "B" Range; 6, Range Practice; 7, Ceremonies; 8, Marching; 9, Guard Mounting.

*Three credits, spring term.*

111. **Advanced Course**—Advanced Field Engineering.

*Five credits, fall term.*

112. **Advanced Course**—Advanced Topography.

*Five credits, winter term.*

113. **Advanced Course—Advanced Military Law.** Elements of the Common Law. *Five credits, spring term.*

104. **Advanced Course—1,** Practical work, instructing in military subjects; **2,** Problems in Administration; **3,** Minor Tactics (map problems). *Three credits, fall term.*

105. **Advanced Course—1,** Practical work, instructing in military subjects; **2,** Military History; **3,** Military Policy. *Three credits, winter term.*

106. **Advanced Course—1,** Practical work, instructing in military subjects; **2,** Minor Tactics; **3,** Practical Problems in Road & Position Sketching; **4,** Range Practice; **5,** Combat Firing on "B" Range. *Three credits, spring term.*

114. **Advanced Course—1,** Military Organization, (To include the Division); **2,** Study of Supply. *Five credits, fall term.*

115. **Advanced Course—Musketry.** *Five credits, winter term.*

116. **Advanced Course—Tactical Walks.** (This course will consist of a practical application of all the theoretical and practical instruction which the student has received during the four years of military instruction). *Five credits, spring term.*

An opportunity is also offered to qualified members of the R. O. T. C. to obtain a commission as Second Lieutenant of the Regular Army for a period not exceeding six months, with allowance for that grade and with pay at the rate of one hundred dollars (\$100.00) per month.

## MUSIC

Dean LANDSBURY

Professor BECK

Professor EVANS

For courses in Practical Music see the announcements of the School of Music on pp. 187-190.

## LOWER DIVISION

1. **The Elements of Musical Science—**A general course in the history, construction and treatment of harmonic forms. Work is done by means of lectures and recitations, and throughout the course great stress is laid upon the development of the ear. The first term deals with such topics as terminology, major and minor scales, intervals, major and minor triads, inversions—especially the "six four chord"—general theory of harmonic progression, etc. The second term will be devoted largely to the study of dissonant combinations—especially seventh and ninth chords—open position, etc. Modulation forms the basis of the third term work. A thorough study will be made of foreign tones, contrapuntal chords, the augmented chords, enharmonic equivalents, modern scales and harmonizations, etc. The course aims to show that music is an experience rather than a clever collection of symbols. Dean LANDSBURY.

*Three hours, throughout the year.*

2. **Contrapuntal Analysis—**A study of the structural basis of the strict style in general and the inventions and earlier fugues of J. S. Bach in particular. Primarily a study of motive development. Dean LANDSBURY.

*Three hours, one term.*

3. **Formal Analysis—**A study of the Musical Architecture of the free style, the career of the motive as influenced by the phrase, period and form, the song forms, developed ternary forms, etc. The sonatas of Haydn, Mozart, Beethoven, Schumann and Brahms will be used as texts. This is a very practical course for those wishing to know the basis of interpretation. Dean LANDSBURY.

*Three hours, one term.*

4. **Harmonical Analysis—**A study of the methods of harmonic reduction and expansion based upon the works of the classical and romantic composers. This course is very closely related to the one in Formal Analysis, with which it could be taken. Dean LANDSBURY.

*Three hours, one term.*

5. **Thorough Bass—**A course in the harmonization of basses and melodies (usually called "harmony") based upon the treatises of Emery, Richter, Judassohn and others. This course will be accepted as a preparation for Counterpoint, but not as a substitute for Course 1. Professor EVANS.

*Two hours, throughout the year.*

6. **Keyboard Harmony and Ear Training**—A course aiming to teach students how to think music in the terms of the piano. Prerequisite two terms of Course 1 or 5. Professor EVANS.

*Two hours, one term.*

10. **History and Appreciation of Music**—A course of lectures, together with supplementary research work, dealing with the evolution of music; its relation to the other arts and sciences, and its place in a liberal education. A considerable part of the time will be devoted to the problem of intelligent listening. This course is recommended to those who wish to increase their capacity for 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. Throughout the course the victrola will be liberally used for illustration. Professor BECK.

*Two hours, entire year.*

12. **Public School Methods**—This course aims to show how musical knowledge is adapted to the needs of the public school. The following and other points will be taken up:

Ways of arousing and holding interest.

Calls and scale songs for the unification of voices.

Development of the sense of pitch and rhythm through rote singing.

Phrasing and interpretation.

The various systems of music books and manuals used as texts.

The use of "do, re, mi" as "something to teach."

Direct presentation.

Practice in directing chorus work.

Use of Victrola. Professor BECK.

*Three hours, throughout the year.*

13. **Scientific Music Reading and Choral Training**—This course covers much the same ground as the usual sight singing course. However the method of treatment is different in that syllables are not used and melody is considered in relation to its supporting harmonic structure. It is essentially an elementary course is intended for those wishing for participation in larger choral efforts. Professor BECK.

*One hour, throughout the year.*

## UPPER DIVISION

107. **Counterpoint**—A practical course in constructive counterpoint. Considerable time will be spent on the so-called "Harmonic Counterpoint." By means of lectures and the examination of such texts as Fux, Cherubini, Bellerman, Richter and Goetschius, together with the works of Bach, Handel and Wagner, the significance of the rules of counterpoint will be explained. Dean LANDSBURY.

*Two hours, one term.*

108. **Double Counterpoint, Canon and Fugue**—A two-term course dealing with the principles of multiple counterpoint in general and the double, triple and quadruple counterpoints of J. S. Bach in particular; the simple types of finite and infinite canon in the practical intervals; simple, double and triple fugue, etc. While the work will be largely analytical in nature, students are encouraged to do as much actual composition as possible, and are required to produce specimens modeled after the patterns examined. Texts: Bridge, Prout, Higgs, Well Tempered Clavichord, art of Fugue, etc. Prerequisites, Courses 1, 2 and 7. Dean LANDSBURY.

*Two hours, two terms.*

109. **Free Composition**—A study of the characteristic idioms of the free style; the variation, simple and developed song form; developed ternary form, the art song, etc. No definite course is outlined as the student is expected to devote his time to actual composition. Lectures will be given occasionally. According to demand the work will be extended. Not more than three will be permitted in the class. Prerequisite: Courses 1, 2, 3, 4, 6, 10, 107 and 108. Dean LANDSBURY.

*Two hours, each term.*

111. **Class in Musical Interpretation**—This class will be open only to piano students of collegiate rank. This class will meet by appointment and the object will be to make a study of the standard literature. The characteristics of the various periods and composers will be noted. The work will be done by lecture, illustration and performance by members of the class. This course should appeal strongly to those who wish a wider knowledge of piano music than would be possible in a regular private course, and is especially designed for those intending to teach. Dean LANDSBURY.

*Two hours, one term.*

## PHILOSOPHY

Professor .....

Dean FOX

Professor BATES

## LOWER DIVISION

1. **Practical Ethics**—A discussion of the problems of college life with the men of the freshmen class.

*Two hours, fall and winter terms.*

2. **Practical Ethics and Vocational Problems**—For women. One-half of this course is devoted to a consideration of practical campus problems of everyday talk and conversation, one-half to a consideration of vocational opportunities in gainful occupations open to women. A large majority of these lectures are given by professional men and women, who speak from experience. One lecture per week. Dean Fox.

*One credit for the year.*

## UPPER DIVISION

101. **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 questions 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 or third term of the sophomore year.

*Four hours, spring term.*

102. **Logic**—A covering of the ground of the ordinary deductive and inductive logic, with a constant endeavor, however, to give the processes a living function, and to present the theory of thought in its modern terms.

*Four hours, winter term.*

103. **Ethics**—A brief survey of historic types of practical morality and ethical theory, followed by a discussion of actual ethical problems.

*Three hours, fall term.*

104. **History of Philosophy**—Ancient thought from Thales to Aristotle. Professor BATES.

*Three hours, fall term.*

105. **History of Philosophy**—From the Hellenistic period to the Renaissance. Professor BATES.

*Three hours, winter term.*

106. **History of Philosophy**—The modern period. Professor BATES.

*Three hours, spring term.*

107. **Philosophy of Religion**—

*Three hours, fall term.*

108. **Aesthetics**—A study of aesthetics as the philosophy of the beautiful, as the philosophy of fine art, and as the science of expression. Special emphasis upon the theories of Schopenhauer, Hegel, and Croce. Professor BATES.

*Two hours, winter and spring terms.*

109. **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 reading. Properly a senior course.

*Three hours, winter term.*

110. **Philosophy of History**—

*Three hours, winter term.*

111. **Present Day Thought**—With special reference to the philosophies of James, Eucken and Bergson. Lectures and assigned reading. A senior course.

*Three hours, spring term.*

rh166. **Emerson**—The influence of Plato, Goethe, Coleridge, Carlyle and others upon Emerson; parallels with Marcus Aurelius, Epictetus; the effect of Emerson upon modern thought. Reading from poems, essays, Representative Men and English Traits. Professor BURGESS.

*Three hours, winter term.*

rh178. **American Philosophy**—Royce, James, Dewey, Santayana, and others. Professor BATES.

*Three hours, winter and spring term.*

el80. **The Philosophical Foundations of English Literature**—Selections from Bacon, Hobbes, Locke, Berkeley, Hume, the Deists, the Economists, the Utilitarians, the Evolutionists and the Pragmatists will be read by the class. Professor WATSON.

*Three hours, each term.*

## PHYSICAL EDUCATION AND ATHLETICS FOR MEN

Professor HAYWARD

Mr. HUNTINGTON

## SPECIAL ASSISTANTS

Mr. SIMOLA

Mr. MORRISON

It is the purpose of this department first, to arouse in every man of the University community an individual appreciation of the many benefits possible under a proper physical education program to such an extent that he will co-operate, persistently and conscientiously, in the carrying out of such a program as it affects him personally. Second, to provide the facilities for the carrying out of such a program. Third, to train instructors who can successfully carry this same program into the schools. Fourth, to assist in every possible way in the development of the right sort of athletics in the schools of the state.

The activities are divided into Varsity, Freshman and Intramural athletics, and regular class work.

The Varsity and Freshman athletics are conducted as student activities, under the rules of the Pacific Coast Conference, and special rules of the University. This necessitates amateur standing, satisfactory collegiate work and many other progressive and beneficial requirements. Every participant must prove his physical fitness by a medical examination. At all times these specialized teams are under the care of experts. The University has been especially progressive in the development of its athletic policies and the resulting legislation and improved procedure have rapidly removed the objectionable features, and undoubted benefits now result both to the individual participant and the students at large. Backed by a splendid spirit and skillful coaching the teams have been unusually successful.

An elaborate program of intra-mural athletics is being carried out. As a result of co-operation between the various student organizations and the department, a continuous series of games, tournaments, etc., is under way, covering practically every branch of athletics and including the participation of every student. The advantages of this are so obvious that those interested can only be gratified at this rather recent development and the knowledge that it will be encouraged to the greatest possible extent.

The regular class work covers the entire field of games, both indoor and outdoor, in season, besides boxing, wrestling, swimming, gymnasium floor and apparatus work, depending on the needs of the individual, and at all times under the supervision of competent instructors. Two hours a week for two years is required of this work from all students. Each student is given a medical examination upon entering college and as often thereafter as necessary. The results of this examination, together with other instructive information, are presented to the student with the hope that he may more fully realize his weaknesses and the possibilities of great permanent benefit to be gained by following the plan outlined for him. Each case will be given individual consideration before the work is outlined, and changes made from time to time if later examinations show a need. To complete the two year compulsory requirements of this department, each student must pass tests in swimming, running, jumping, strength, mental alertness, personal initiative, etc. Because of a belief that competitive games give pretty largely the same physical development as the more formal gymnasium work, and, in addition great mental and moral benefits, they will be used as much as possible in the gymnasium classes. True sportsmanship and a development of individual initiative and skill, will be insisted on. For outdoor work, the department has Hayward field, a gridiron surrounded by grand stand and bleachers with a seating capacity of 9000; the old Kincaid field used for track work; a separate baseball diamond, together with an intramural field; and six tennis courts, with others in prospect. The Eugene Country club has a splendid golf course convenient to the University.

The gymnasium is fitted with all modern gymnasium apparatus. The main hall is 59 by 106 feet, with a 20-foot ceiling. On the same floor are the offices, a room for anthropometry, and a tube hand ball court 20x20x50. There is also a gallery for spectators with a seating capacity of 450. Eight feet above the gallery is a 16-lap corks track, nine feet wide. The basement is fitted up with steel lockers, shower baths, a white tile swimming pool 30x60 feet with a depth of 3½ to 9 feet, and special rooms for supplies, towels and first aid. In addition, an open air annex has recently been completed with a main floor 83x120 feet. This is divided by movable partitions into three rooms, each a regulation tennis court or basketball court, and

adequate for indoor baseball. The upper story, which will probably be finished during the summer, will provide space for handball, volleyball, squash, boxing, wrestling, fencing, bowling, etc. A moderate fee covers the use of a locker, clean towels and all equipment.

All the facilities of the department are offered to the schools of the state. Superintendents, athletic directors, captains and managers are urged to present their problems. They will be answered as soon as possible. Series of championship contests between the high schools of the state under University auspices are being developed. The first of these events have been very successful, and it is the opinion of those concerned that they are having a very desirable effect.

**Special Announcement of a Complete Teachers' Course in Physical Education and Athletics**—*The importance of this work, brought out by the war and followed by special legislation in this state, has created a great demand for trained teachers of the right type. To meet that demand, the work of this department is co-ordinated with the other essential departments on the campus, and such faculty and equipment are provided as are necessary to offer a complete course for prospective teachers in this line, covering all the educational, medical, psychological, physical education, gymnasium and athletic work desirable. For special information write to the director of this department.*

#### LOWER DIVISION

**1. Elementary Gymnasium Class**—Required of Freshmen. Covers the entire field of seasonable indoor and outdoor games, boxing, wrestling, swimming, simple apparatus work, etc. The student is assigned to the branch which best fits his individual needs. One credit. *Two hours, each term.*

**2. Secondary Gymnasium Class**—Required of all Sophomores. The same range of work as in Course 1, but special care is taken to prevent unbalanced development by over-emphasizing one branch. One credit. *Two hours, each term.*

**3. Personal Hygiene**—A general course for freshmen. *One hour, each term.*

**4. Special Corrective Class**—After examination each student is assigned to work desirable for the treatment of defects discovered. This is substituted for 1 or 2, thus requiring two hours a week, but more time will usually be recommended. *Two hours, each term*

**92. General Athletics**—May be elected in place of course 1 or 2. One credit.

**93. Advanced Athletics**—Elective in place of course 1 or 2, to men who have won their "letter" in University Athletics. One credit.

#### UPPER DIVISION

**101. First Aid, Training and Conditioning**—Designed for the coach who must also be his own trainer. Use of bandages and simple medicines, etc. Diet and routine work for conditioning men in different sports. *One hour, each term.*

**102. High School Coaching**—A complete course in the theory and practice of coaching of athletic teams. Emphasis is placed on different games in order of their importance and in their season. *Two hours, each term.*

#### PHYSICS

Professor BOYNTON

Assistant Professor MONK

Professor CASWELL

Mr. O'DAY

Courses 1, 2 and 3 are the most elementary work offered by the department, and open to all students, whether they have taken physics in the high school or not. They aim to give a knowledge of the principles underlying the phenomena of every-day life. The assignment of experiments in the laboratory is varied, according to the previous preparation of the student, or to meet special needs or interests.

Courses 4, 5 and 6 presuppose a year of high school physics. They are particularly intended for students specializing in physics, mathematics and chemistry, and are prescribed for students preparing for architecture or medicine, but are adapted to others wishing a strong



general course. These courses, or, in exceptional cases, Courses 1, 2 and 3, should precede any of the more advanced courses offered by the department.

Students intending to make Physics their major subject should take in the Lower Division Courses 4, 5, 6, and if possible General Chemistry and Mathematics, including the Calculus.

Prospective teachers of high school physics should include in their program Courses 4, 5, 6, 105 and 110.

#### PRE-ENGINEERING COURSE

Students entering the best engineering schools often take from two to four years of work in liberal arts as a foundation for their professional work. For such the following pre-engineering course has been outlined:

##### FIRST YEAR

English .....	9 hours
Foreign Language .....	12-15 hours
Mathematics .....	12 hours
Chemistry .....	12 hours

##### SECOND YEAR

Foreign Language .....	9-12 hours
Mathematics .....	12 hours
Physics .....	12-15 hours
Mechanical Drawing .....	6 hours

##### UPPER DIVISION

In the Upper Division such selections may be made from the following list of courses as will best prepare for the particular line of engineering which it is desired to enter.

Differential Equations .....	6 hours
Applied Mathematics .....	6 hours
Analytical Mechanics .....	9 hours
Applied Mechanics .....	9 hours
Theory of Elasticity .....	4 hours
Hydrodynamics .....	4 hours
Constructive Design .....	6 hours

Descriptive Geometry .....	6 hours
Graphic Statics .....	3-6 hours
Analytical Chemistry .....	9-12 hours
Advanced Inorganic Chemistry .....	6-12 hours
Advanced Analytical Chemistry .....	6-12 hours
Physical Chemistry .....	12 hours
Electrical Measurements .....	9 hours
Electron Theory .....	9 hours
Thermodynamics and Molecular Physics .....	8 hours
Geology .....	18-24 hours
Mineralogy and Petrology .....	6-12 hours
Economics .....	10 hours

##### LOWER DIVISION

1. **Essentials of Physics**—Mechanics, molecular physics and heat. A general non-mathematical course, open to all students. Lectures, recitations and one laboratory period per week. Professor BOYNTON. *Four hours, fall term.*

2. **Essentials of Physics**—Magnetism and electricity. A continuation of Course 1, open to all students. The same hours and days. Professor BOYNTON. *Four hours, winter term.*

3. **Essentials of Physics**—Sound and light. A continuation of Course 2, open to all students. The same hours and days. Professor BOYNTON. *Four hours, spring term.*

4. **General Physics**—Simple measurements, mechanics, molecular physics and heat. Intended for students who have had physics in the high school. Laboratory and problems one or two afternoons. *Four or five hours, fall term.*

5. **General Physics**—A continuation of Course 4, taking up magnetism and electricity. The same hours and days. Professor CASWELL. *Four or five hours, winter (or spring) term.*

6. **General Physics**—A continuation of Course 5, taking up sound and light. The same hours and days. Professor CASWELL. *Four or five hours, spring (or winter) term.*

## UPPER DIVISION

101. **Sound**—A more extended treatment than that given in the general courses, intended especially for students of music. Text-book, 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. May be advantageously taken in connection with the course on the Psychology of Music. Professor BOYNTON. *Three hours, fall term.*

103. **Photography**—Pre-requisites, Physics 3 or 6, and some familiarity with elementary chemistry. A study of photographic methods and appliances, including lenses, sensitive plates and their treatment, and the common photographic papers. Two lectures and one laboratory period. Professor BOYNTON.

*Three hours, spring term.*

105. **History and Teaching of Physics**—Especially for prospective teachers of high school physics. Professor BOYNTON.

*Three hours, fall term.*

107. **Electrical Measurements**—Pre-requisites, 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 the efficiency of incandescence lamps, and the magnetic properties of iron. Professor BOYNTON.

*Three hours, fall term.*

108. **Electrical Measurements**—A continuation of Course 107, taking up the measurement of inductances, and an introduction to alternating current theory and measurement. Professor BOYNTON.

*Three hours, winter term.*

109. **Electrical Measurements**—A continuation of Courses 107 and 108, taking up the measurement of capacity and a discussion of transient electrical phenomena, electrical oscillations and waves, and wireless telegraphy. Professor BOYNTON. *Three hours, spring term.*

110. **Physical Technics**—The administration of the physical laboratory, and the construction, adjustment, repair and manipula-

tion of physical apparatus, including a study of home-made apparatus for high school laboratories, the elements of glass working, etc. Lectures, assigned readings and laboratory. Hours to be arranged. Professor BOYNTON.

*Two hours, any term.*

111. **Electron Theory**—The first term of a year course dealing with the phenomena of cathode and canal rays, X-rays, ionization of gases, photoelectric effect, radioactivity, thermo-electricity, metallic conduction and related topics from the standpoint of the electron theory. Pre-requisites, a year of college physics, and some familiarity with elementary chemistry. Two lectures and one laboratory period. Professor CASWELL.

*Three hours, fall term.*

112. **Electron Theory**—A continuation of Course 111. The same hours and days. Professor CASWELL.

*Three hours, winter term.*

113. **Electron Theory**—A continuation of Course 112. Professor CASWELL.

*Three hours, spring term.*

114. **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 observations and prediction, terrestrial magnetism, aurora and sun spots.

*Three hours, spring term.*

115. **Theory of Light**—Lectures with experimental illustration. Problems relating to the theory of optical instruments, treated by the method of Geometrical Optics, and of the wave theory. Two lectures and one laboratory period.

*Three hours, fall term.*

116. **Theory of Light**—A continuation of Course 115. Professor CASWELL.

*Three hours, winter term.*

117, 118, 119. **Selected Topics**—Under this title the department offers occasional courses, either on recent advances in science, or on topics of timely interest. The department staff.

121. **Thermodynamics**—A study of heat and related forms of energy, as applied to ideal gases, saturated vapors and other simple types of substances. Especially for students of physics and physical chemistry. Professor BOYNTON.

*Four hours, fall term.*

122. **Molecular Physics**—A continuation of Course 121, including the kinetic theory of gases and liquids, the deduction and further discussion of van der Waals' equation and the theory of solutions. Professor BOYNTON. *Four hours, winter term.*

124, 125, 126. **Advanced Laboratory and Thesis**—The Department staff.

#### GRADUATE COURSES

201, 202, 203. **Advanced Theoretical Physics**—Lectures and assigned readings. The topics treated will be varied from year to year to suit the needs of the students. Hours to be arranged. Professors BOYNTON and CASWELL.

204, 205, 206. **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. Hour to be arranged. Professors BOYNTON and CASWELL.

207, 208, 209. **Seminar and Journal Club**—Conferences and reports on assigned topics and current periodical literature. Hours to be arranged. The Department staff.

To be recommended as a teacher of Physics a student should take Courses 4, 5, 6' (or 1, 2 and 3), 105 and 110.

#### POLITICAL SCIENCE

Professor BARNETT

##### LOWER DIVISION

1. **American National Government**—The National government, with special attention to practical operation and contemporary reforms. *Five hours, fall term.*

2. **American State and Local Governments**—The state and local governments, with special attention to practical operation and contemporary reforms in Oregon. *Five hours, winter term.*

3. **European Governments**—The organization and operation of the governments of England, France, Germany, and Switzerland, with special attention to the government of England.

*Four hours, spring term.*

4. **Introduction to 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. *Four hours, fall term.*

##### UPPER DIVISION

101. **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.

*Four hours, winter term.*

102. **Law of Officers**—The principles of the law of public officers. Chiefly a discussion of leading cases. Open to students credited with at least one course in law.

*Three hours, spring term.*

103. **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.

*Three hours, winter term.*

104. **International Law**—The principles of international law. It is desirable that this course be preceded by Political Science 4. (Omitted 1920-21).

*Four hours, spring term.*

105. **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. (Omitted 1920-21).

*Four hours, fall term.*

106. **Political Theory**—A study of the main concepts of political theory, mostly from the works of modern writers.

*Four hours, spring term.*

107. **League of Nations**—The history and present status of the various forms of international organization, with special attention to the League of Nations. *Four hours, fall term.*

## PSYCHOLOGY

Professor CONKLIN      Miss HAGER      Professor WHEELER

Courses in this department are not open to freshmen except in special cases. (See Course 1a.)

Students preparing for major work in psychology should consult with some member of the psychology staff as early in their lower division work as possible.

### LOWER DIVISION

1. **Elementary General Psychology**—Lectures, discussions and classroom demonstrations covering in a general way the elements of consciousness, their relation to the nervous system and the phenomena of sensation, habit, attention, association, perception, imagination, memory, judgment, reasoning, instinct, emotion and will. Pre-requisite to all other courses in this department, except Course 106. This course may be taken with or without laboratory. Professor CONKLIN, Professor WHEELER and Miss HAGER.

*Three or four hours, each term.*

1a. **Elementary General Psychology (short course)**—When the demand warrants there will be offered for one term a briefer course in elementary psychology following the general plan of Course No. 1. This course will be accepted as satisfying the pre-requisite for advanced courses in this department. Miss HAGER.

*Four or five hours, one term.*

### UPPER DIVISION

103a. **Systematic Psychology**—Given for advanced undergraduates, major and graduate students. *Fall term:* A study of the various modern views of consciousness, the role played by conscious-

ness in behavior, the problem of mental elements, etc., together with a comparative study of various psychological systems including modern tendencies toward behaviorism. References are made to James, Angell, Wundt, Ribot, Watson, Warren, Titchener, Calkins, Holt, Freud, Prince and others. *Winter term:* Historical and detailed studies of the more vital problems in experimental psychology such as attention, affection, feelings, sensation, memory, learning, reasoning and will. Here the student begins with the knowledge carried over from elementary psychology and makes an intensive study of recent laboratory experimental contributions. The most recent literature available is made the basis of lectures. *Spring term:* Physiological psychology. Specially adapted for premedic students and students of abnormal psychology who register for the course in Abnormal Psychology the winter term. The work covers as thoroly as possible the structure and functioning of the nervous system, physiology of the sense organs, the function of the sympathetic nervous system and the glands in emotions, Sherrington's work on reflexes, Carlson's work on hunger, and the works of Crile. References are frequently made to pathology in studying the localization of function in the nervous system. Some time is spent studying the organic changes and structural conditions underlying certain mental defects. Professor WHEELER.

*Three hours, each term.*

103b. **Advanced Laboratory**—Supplementary to 103a 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. 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. Two laboratory periods each week. Hours to be arranged. Professor WHEELER.

*Two hours, each term.*

104. **Abnormal Psychology**—Designed especially for pre-medical students and for majors in physical training. Aphasia, amnesias, hysteria, dual personality, trance states, telepathy, theories of the subconscious, sleep, dreams, hypnosis, dissociations, fixed ideas,

psychotherapy, and the common types of insanity will be presented by means of lectures, discussions and text book work. Elementary psychology is a pre-requisite. Professor CONKLIN.

*Four hours, winter term.*

105. **Mental Hygiene**—This course is the complement of No. 104. 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, the hygiene of the emotions and of the intellectual processes, and the causes and prevention of insanity. Elementary psychology is a pre-requisite. (Not given in 1919-20 and will probably not be offered in 1920-21.) Professor CONKLIN.

*Three hours, one term.*

106. **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 textbook. Open to qualified juniors and seniors. Professor CONKLIN.

*Three hours, fall and winter terms.*

107. **Research and Thesis**—Designed for advanced students in laboratory technique. Courses 1 and 103 are indispensable pre-requisites. 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 Professor WHEELER.

*Two or three hours, each term.*

108. **Mental Measurements**—Designed to introduce the student to the literature, methods and results of mental testing; to provide individual training in use of tests, to familiarize students with applications of statistical methods to mental measurements. Given with reference to use of mental tests and examinations in the United States Army and to current commercial applications of psychology in the selection of employes. Emphasis is placed on measurements of adult intelligence, both normal and defective, also on tests for individual differences, for special aptitudes or inaptitudes of the individual as far as appropriate psychological progress has been made. Designed for major and graduate students in psychology, students in

education and pre-medics who wish to acquire a working knowledge of mental measurements, and for students in commerce who are interested in the applications of test methods in business. Elementary psychology a prerequisite. Professor WHEELER and Miss HAGER.

*Four hours, spring term.*

118. **Psychology of Advertising**—Designed primarily for majors in Journalism and Commerce. A rapid but fairly intensive survey of the phenomena of attention, perception, memory and action, with predominant emphasis on their applications to advertising. About half of the time is devoted to laboratory and demonstration work in which advertisements appearing in the current magazines and newspapers are inspected for the psychological principles underlying their effectiveness. Hours to be arranged for cooperation with work in Commerce and Journalism. Usually given in the winter term. Miss HAGER.

*Three hours, one term.*

120. **Comparative Psychology**—A study of the behavior of living organisms 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. A thorough training is given in methods of animal experimentation and in the results of the more important researches in this field. (This course was necessarily omitted during the war and may not be given for another year at least.) Professor WHEELER.

*Three hours, one term.*

121. **Psychology of Music**—Designed for students in music and given as a sequel to Professor Boynton's course on sound. The following are among the topics presented: Audition in general, origin of music, musical enjoyment, phases of mental equipment contributing to musical talent, applications of general psychology to the memorizing and teaching of music and to the playing of musical instruments, and some aspects of the psychology of musical appreciation. This course is given occasionally as facilities and demand permit. Professor WHEELER.

*Three hours, one term.*

122. **Principles of Psychoanalytic Psychology**—Designed to familiarize the advanced student in psychology with the essential facts and theoretical concepts of psychoanalytic contributions; and to prepare the advanced pre-medical student for intelligent reading

of current psychotherapeutic literature. The purpose is rather to orient the student for further study than to give a mastery of psychoanalytic literature. Elementary general psychology and Abnormal psychology are indispensable pre-requisites. Professor CONKLIN.

*Two hours, third term.*

For courses in educational psychology see announcement of the Department of Education.

#### GRADUATE COURSES

Courses 103a, 103b, 104, 105, 106, 107, 108, 120 and 122 are designed for advanced undergraduates or for graduate students. Where they are taken for credit toward the advanced degree, special assignments will be given.

201. **History of Psychology**—This course is designed primarily for post-graduate students. The contributions of the classical psychologists from the early Greeks to the founders of modern psychology with consideration of developmental tendencies, schools of thought and culture influences constitute the content of the course. Most of the work is done through class discussion of the assigned readings in original texts. Professor CONKLIN.

*Three hours, winter term.*

#### LABORATORY EQUIPMENT

The psychological laboratory is 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 inter-communicating 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 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, the higher intellectual processes, and mental testing.

#### PUBLIC SPEAKING

Professor REDDIE

Professor PRESCOTT

Miss BANFIELD

The study of the speech arts has become one of the most important factors in education for the reason that, no matter what one may know, one's knowledge is of comparatively small value to others unless one can express oneself not only intelligently, but with effectiveness and grace of manner as well.

To this end the work of this department is divided into the following sections:

- (a) Voice training.
- (b) Extempore speaking and debate.
- (c) Dramatic interpretation.

(a) The work in voice-training covers the anatomy of the speech-producing organs, the control of pitch, the establishment of volume, the regulation of intensity and the development and growth of quality, together with the application of these properties of sound to the practical enrichment of the voice as a whole.

(b) The courses in Oratory, Debate and extempore speaking cover a wide range. Students are early impressed with the basic necessity of having facts, of clear and cogent thinking upon them, of careful phrasing of ideas, of making an analysis which fits subject-matter and treatment to the audience, and of using methods of proof which realize the greatest value from facts. As students begin to show a grasp of these fundamentals, the adjuncts of effective delivery are gradually added.

(c) Regarding the work in the practical interpretation of the drama it is conceded that there is perhaps no branch of training in public address which is of more vital service to the individual, for it calls into action not only every phase of vocal expression, but demands an intimate acquaintance with all of the allied arts and their practical application. The person who has performed a part in a good play has not only lived literature, but is better able to teach it, and as a writer has gained an experience that he cannot afford to miss, for he has made tangible his mental images.

The department has its own theater. In its cozy quarters the students engage in the making and decorating of scenery, costumes

and properties, as well as engaging in the oral interpretation of plays before the public. In this way they prepare themselves for the direction, as future teachers, of high school drama, for which work, in certain courses, two hours credit on the required hours in education is allowed. In addition they receive thorough training for any kind of public performance involving oral expression.

The courses offered in this department are as follows:

#### LOWER DIVISION

1a. **Extempore Speaking**—A foundation course in practical public speaking. A study in the selection, organization, and presentation of speech material. Lectures, extempore speeches, class discussions, wrangles. Open to Freshmen. Professor PRESCOTT.

*Three hours, fall or winter terms.*

1b. **Extempore Speaking**—A continuation of Course No. 1. Open to those who have had Course 1a. Professor PRESCOTT.

*Three hours, winter or spring terms.*

1c. **Extempore Speaking**—A continuation of Course 1b. Open to those who have had Courses 1a and 1b. Professor PRESCOTT.

*Three hours, spring term.*

3. **Parliamentary Law**—A study of the rules of order governing the transaction of business in popular assemblies. Professor PRESCOTT.

*Two hours, each term.*

4. **Argumentation and Debate**—A study of the theory and practice of debating. Professor PRESCOTT.

*Three hours, winter term.*

5. **Intercollegiate Oratory**—Members of the class are selected as in Course 3. From this squad the intercollegiate orators are chosen. Courses 1 and 2 are strongly recommended as prerequisites. Professor PRESCOTT.

*Two hours, each term.*

8. **Dramatic Interpretation**—First-year work. Open to freshmen or others who have not had this course. A practical course in platform manner, voice, sight-reading, interpretation of character

from standard drama, gesture, makeup, scenic effects, property-manufacture and stage decoration. The course is valuable to all persons who expect ever to appear in public in any way whatever, as it covers all the fundamentals of free expression, and gives the student an opportunity to rid himself of undue reserve, timidity or nervousness before an audience. It is the pre-requisite of all further work in dramatic interpretation. Professor REDDIE and Miss BANFIELD.

*Four hours, fall and winter terms.*

9. **Interfraternity and Intersorority Debate**—For those who make their house teams in the Campus leagues. Professor PRESCOTT and others.

*One or two hours credit.*

#### UPPER DIVISION

101. **Advanced Dramatic Interpretation**—A course in the practical study of the drama. Open to those who have had Course 8, 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. The members of this class, directed by instructors and fourth-year students, present one-act plays, doing the costuming, makeup and stage effects themselves. The best four of these one-act plays are given public production. Professor REDDIE and Miss BANFIELD.

*Four hours, each term.*

102. **The Company**—Open to Major Students, and such others who, upon examination are found to be sufficiently prepared for the nature of this work. This is the operative class in the acted drama, and the members are regularly engaged in the production of plays. Professor REDDIE.

*Five hours, each term.*

103. **Teachers 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 and Miss BANFIELD.

*Three hours, fall term.*

105. **Advanced Public Speaking**—An intensive study of the principles governing effective speech in conversation, formal and in-

formal debating, extempore and set addresses. This course is designed especially for intercollegiate orators and debaters and for majors in the department. Open to any student who has had Courses 1a, 1b, and 4. Professor PRESCOTT.

*Three, four or five hours, each term.*

106. **Seminar**—Teachers' problems. Public speaking in high schools. The fixing of an ideal of speech; arousing and sustaining interest; organizing the school for persistent and intelligent study. Professor PRESCOTT.

*Three hours, spring term.*

### ROMANCE LANGUAGES

Professor CLORAN

Assistant Professor ESPINOSA

Miss TAYLOR

Assistant Professor FAYARD

Miss GRAY

Students who intend to major in Romance Languages must take French 1 and 2, or Spanish 11 and 12. In the upper division the following courses are required for a major: French 103, 104 and 105, or Spanish 113, 114 and 115.

#### LOWER DIVISION

1. **Elementary French**—Cerf and Giese's Beginning French Grammar, pronunciation, composition, conversation, translation of modern French authors. Daily. Professor CLORAN, Assistant Professor FAYARD and Miss GRAY.

*Five hours, each term.*

2. **Advanced French**—Review of grammar, composition, conversation, translation of modern French authors. Professor CLORAN and Assistant Professor FAYARD.

*Four hours, each term.*

11. **Elementary Spanish**—Espinosa's Spanish grammar, composition, conversation, translation of modern authors. Daily. Assistant Professor ESPINOSA and Miss TAYLOR.

12. **Advanced Spanish**—Composition, conversation, translation, review of grammar, commercial Spanish. Assistant Professor ESPINOSA.

*Four hours, each term.*

#### UPPER DIVISION

103. **French Literature**—Reading of French authors of the nineteenth century. History of French literature. Professor CLORAN.

*Three hours, each term.*

104. **French Literature**—Reading of French authors of the seventeenth and eighteenth centuries. Professor CLORAN.

*Three hours each term.*

Courses 103 and 104 are given in alternate years.

105. **French Conversation and Composition** (oral and written)—Two years of college French are required for admission to this course. Assistant Professor FAYARD.

*Three hours, each term.*

106. **Advanced French Conversation and Composition** (oral and written)—The principles of pronunciation. Three years of college French are required for admission to this course. Professor CLORAN.

*Two hours, each term.*

113. **Spanish Literature**—Reading of nineteenth century authors. Professor CLORAN.

*Three hours, each term.*

114. **Spanish Literature of the Seventeenth Century**—Reading of selected works of Lope de Vega, Calderon and Cervantes. History of Spanish Literature. Professor CLORAN.

*Three hours, each term.*

Courses 113 and 114 are given in alternate years.

115. **Advanced Spanish Composition and Conversation** (oral and written) Two years of college Spanish are required for admission to this course. Assistant Professor ESPINOSA.

*Three hours, each term.*

116. **Commercial Spanish**—Conversation, composition and reading. Two years of college Spanish are required for admission to this course. Assistant Professor ESPINOSA.

*Two hours, each term.*

120. **Elementary Italian**—Grammar, pronunciation, composition. Professor CLORAN.

*Three hours, each term.*



130. **Elementary Portuguese**—Brauner's Portuguese grammar. Reading of prose and poetry. Open to students who have had two years of Spanish. Professor CLORAN. *Three hours, third term.*

## GRADUATE DIVISION

206. **Old French**—Reading of selected texts. Professor CLORAN. *Two hours, each term.*

207. **History of French Literature** with reading of selections from the great writers. Professor CLORAN. *Three hours, each term.*

220. **Advanced Italian**—The classic period of Italian literature. Readings from Dante, Boccaccio and Petrarch. Not given in 1920-1921. Professor CLORAN. *Two hours, each term.*

223. **Dante and Tasso**—The works of Dante and Tasso in English translations. Not given in 1920-1921. Professor CLORAN. *Two hours, each term.*

High school students who have had two years of French or Spanish are put in the second year work unless they have made very good records. Students are admitted to any of the advanced courses in French and Spanish, if they have sufficient preparation. They should consult the instructor.

## RECOMMENDATIONS OF TEACHERS

Students who are planning to teach either French or Spanish should take the following courses:

## FRENCH

	Catalogue No. of Course.	Term Hours.
Elementary French .....	1	15
Advanced French .....	2	12
French Literature .....	103	9
French Literature .....	104	9
French Composition .....	105	9

## SPANISH

	Catalog No. of Course	Term Hours
Elementary Spanish .....	11	15
Advanced Spanish .....	12	12
Spanish Literature .....	113	9
Spanish Literature .....	114	9
Spanish Composition .....	115	9

## ZOOLOGY

Professor BOVARD

Professor EDMONDSON

Miss BEEKLEY

Graduate Assistant

ISABEL SLAVIN

Laboratory Assistants:

MARY CHAMBERS

JOY JUDKINS

MARY MATHES

ELLEN KELLY

MADELINE SLOTHROOM

HARLAN HOLMES

(a) **Introductory Courses** in general zoology and elementary physiology for students seeking general culture. General Biology, Zoology, 1a, 1b, 1c, 4 and 6.

(b) **Teachers' Courses** for those who expect to teach science in the high schools, more especially physiology. General Biology, Zoology 1a, 1b, 1c, 4 and 6.

(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**—Beginning January 1, 1918, the minimum requirement for admission to acceptable medical schools, in addition to the high school work specified above, will be sixty semester hours of collegiate work, extending through two years, of thirty-two weeks each, exclusive of holidays, in a college approved by the Council of Medical Education. The subjects included in the two years of college work should be in accordance with the following schedule:

SCHEDULE OF SUBJECTS OF THE TWO-YEAR PRE-MEDICAL  
Sixty Semester Hours\* Required

Required Subjects:	Semester Equivalent	
	Hours	Term Hours
†Chemistry (a) .....	12	18
Physics (b) .....	8	12
Biology (c) .....	8	12
English composition and literature (d) .....	6	9
Other nonscience subjects (e) .....	12	18
Subjects Strongly Urged:		
French or German (f) .....	6-12	9-18
Advanced botany or advanced zoology .....	3-6	5-9
Psychology .....	3-6	5-9
Advanced mathematics including algebra and trigonometry .....	3-6	5-9
Additional courses in chemistry .....	3-6	5-9
Other Suggested Electives:		
English (additional), economics, history, sociology, political science, logic, mathematics, Latin, Greek, drawing.		

\*A semester hour is the credit value of sixteen weeks' work consisting of one lecture or recitation period per week, each period to be not less than fifty minutes net, at least two hours of laboratory work to be considered as the equivalent of one lecture or recitation period.

†The University of Oregon Medical School requires organic chemistry.

Reprinted from the *Journal of the American Medical Association*  
Feb. 23, 1918, Vol. 70, pp. 559-560

**The Pre-Medical Course and the Relation to Other Departments**—As the two-year pre-medical course is made up largely of required science work and as the four years of medical studies are scientific altogether, it is urged that students take as much as possible of their electives in the social science and language groups. This overloading is only apparent in the minimum preparatory course of two years, for in the three or four year courses the required elementary subjects have been completed and ample time is given to take other than science courses, and at the same time to continue training in scientific methods.

**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 not 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-MEDICAL COURSE

The following course has been authorized by the faculty. All

students taking pre-medical courses that do not conform to the one outlined below will be held for the regular group requirements.

FRESHMAN YEAR

Fall Term.		Winter Term		Spring Term	
	Hrs.		Hrs.		Hrs.
General Biology .....	4	Zoology Ia .....	4	Zoology Ic .....	4
Chemistry Ia .....	4	Chemistry Ib .....	4	Chemistry Ic .....	4
English Composition .....	3	English Composition .....	3	English Composition .....	3
*French or German .....	5	French or German .....	5	French or German .....	5
Military .....	1	Military .....	1	Military .....	1
	17		17		17

\*French or German is required by many medical schools. It is not required by the University of Oregon Medical School but is strongly urged.

Note—Students who make high standing in English composition may be excused from one or two terms and take electives in place of this work.

SOPHOMORE YEAR

Fall Term		Winter Term		Spring Term	
	Hrs.		Hrs.		Hrs.
†Organic Chemistry .....	4	†Organic Chemistry .....	4	†Organic Chemistry .....	4
or		or		or	
Analytic Chemistry .....	4	Analytic Chemistry .....	4	Analytic Chemistry .....	4
Physics .....	4	Physics .....	4	Physics .....	4
Anatomy .....	4	Anatomy .....	4	Embryology .....	4
Elective .....	4	Elective .....	4	Elective .....	4
Psychology		Psychology		Psychology	
Economics		Economics		Economics	
French or German		French or German		French or German	
Military .....	1	Military .....	1	Military .....	1

†Required by University of Oregon Medical School.

THREE-YEAR PRE-MEDICAL COURSE

(Leads to the B. A. degree after the completion of the first year in the medical school.)

Students electing the three-year course should fulfil the regular university group requirements. The work will be the same in the freshman year as in the two year course. In the sophomore year the electives should all be in the Social Science group.

JUNIOR YEAR

Fall Term		Winter Term		Spring Term	
Organic Chemistry .....	4	Organic Chemistry .....	4	Organic Chemistry .....	4
Zoology (Elective) .....	4	Zoology (Elective) .....	4	Zoology (Elective) .....	4
Electives .....	8	Electives .....	8	Electives .....	8

## SEVEN-YEAR COMBINED COURSE

Students who finish three years of pre-medical work at the University of Oregon will be granted the B. A. degree on completion of the first year's work at the University of Oregon medical school in Portland, provided they have satisfied the group requirements.

## MAJOR IN ZOOLOGY

The Department of Zoology requires for a Major the following courses:

## LOWER DIVISION

	Trm.Hrs.		Trm.Hrs.		Trm.Hrs.
Zoology	16	Foreign Language	20	English Composition	9
Chemistry	12	Social Science	12	Military and Gymnasium	12

## UPPER DIVISION

Zoology	24 term hours.
Physics	} 20 term hours to be chosen from at least two of the three sciences.
Botany	
Geology	
Elective	46 term hours.

## LOWER DIVISION

1. **General Biology**—Three lectures and one laboratory period. Introductory to Botany 1a, and Zoology 1a. A study of the cell, its structure, function and relation to heredity. An investigation of life processes as exemplified in a few typical plants and animals. Three lectures and one laboratory period per week. Professor SWEETSER. *Four hours, fall term.*

1a. **General Zoology; Invertebrates**—Three lectures and one laboratory period.

The lectures 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. Should be preceded by General Biology 1.

Open to all students. Advised for science teachers. Professor BOVARD.

*Four hours, fall term.*

1b. **General Zoology; Vertebrates**—Three lectures and one laboratory period. A continuation of Course 1a. Pre-requisite to all higher courses in this department. Open to all students. Advised for science teachers. Professor BOVARD. *Four hours, winter term.*

1c. **Comparative Anatomy**—Two lectures and two laboratory periods. A continuation of Course 1a. A general course on the development of the vertebrate. Lectures on the anatomy and zoology of lower vertebrates, the osteology and evolution of the higher forms. The laboratory work covers the comparative study of selected types of vertebrates. This course to be selected by pre-medical students and physical education majors in place of Course 1b. Lectures and laboratories as in Course 1a. Professor BOVARD.

*Four hours, spring term.*

2. **Cytology and Comparative Histology**—Three lectures and two laboratory periods. A study of the cell and of the tissues of the animal body, tissues modified into special organs, preparation of microscopical slides and special technique. Open to all students who have had general Biology and Zoology 1a and 1b. Required of Zoology majors. Advised for pre-medical students. Professor .....

*Five hours, winter term.*

3. **Systematic Entomology**—Two lectures and one laboratory period. A systematic study of insects, especially of local fauna. Structure, habits, life histories, etc., will be considered. Professor .....

*Three hours, spring term.*

4. **Field Zoology**—Two lectures and two laboratory periods. 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. Pre-requisite, Course 1a. For general culture students, zoology majors, and science teachers. Professor .....

*Four hours, fall term.*

5. **Mammalian Anatomy**—Two lectures and two laboratory periods. A course in dissection of a typical mammal, intended for those going into medicine, or the advanced work in physiology. Advised for all zoology majors. Professor .....

*Four hours, fall and winter terms.*

6. **Elementary Physiology**—Four lectures per week. A course in the elements of physiology, designed as a general cultural course and for those who intend to teach science, especially physiology, in the high schools. The work consists of recitations, lectures on special topics and simple experiments. Open to all. Advised for science teachers. Professor BOVARD. *Four hours, full term.*

7. **The Biology of the Bird**—Two lectures and one laboratory. Lectures and field work devoted to the study of the habits, classification, methods of flight, color, feeding habits, etc. Open to all students. Professor BOVARD. *Three hours, spring term.*

## UPPER DIVISION

101. **Physiology**—Four lectures and one laboratory period. Respiration, muscle, nerve, reproduction, and the nervous system. Course for students who are premedic and physical education majors and any others who have had sufficient preparation. Pre-requisites, courses in elementary chemistry, physics and zoology. Courses in organic chemistry, and mammalian anatomy advised. Professor BOVARD. *Five hours, fall term.*

102. **Physiology**—Four lectures and one laboratory period. Blood, circulation, digestion, excretion, animal heat, and dietetics. A continuation of Course 101, but may be taken separately. Pre-requisites as in Course 101. Professor BOVARD. *Five hours, winter term.*

103. **Embryology**—Three lectures and two laboratory periods. A study of the development of some of the vertebrate animals, including chick and pig. Pre-requisite, Courses 1a and 1b. Required of zoology majors. Elective for pre-medical students. Professor ..... *Five hours, spring term.*

104. **Bionomic Problems**—Four lectures per week. A study of the factors in organic evolution, the results of modern experimentation in genetics and the theories of heredity. Open to all students. Professor BOVARD. *Four hours, fall term.*

105. **Seminar**—Discussion of the current literature. A different subject will be taken each term. Assigned readings and reports on general topics. Prescribed for all majors in zoology. Professors BOVARD and ..... *Two hours, each term.*

106. **Protozoology**—Two lectures and two laboratory periods. An intensive study of the protozoa, including general classification, ecology and distribution. Advised for pre-medical students in connection with studies on tropical diseases. Professor ..... *Four hours, spring term.*

107. **Research Laboratory**—Original work on some zoological problems by the student under the guidance of the instructor. Credit

to be based on the character of the work. Hours to be arranged. Professors BOVARD and .....

108. **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. Professors BOVARD and .....

The following courses in zoology are given at the marine station:

	Hours
Elementary Zoology .....	6
Ecology .....	6
Invertebrate Embryology .....	6
Research .....	6

109. **Origin and Function of Nervous Systems**—Two lectures and laboratories to be arranged. A discussion of the types of nervous systems found in various animals. Primarily for Upper division and Graduate students. May be taken with or without laboratory. Professor BOVARD. *Spring term.*

## RECOMMENDATION OF TEACHERS

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

	Hours.
General Biology 1 .....	4
Zoology, Courses 1a and 1b. ....	8
Elementary Physiology 6 .....	4
Field Zoology 4 .....	4

## EQUIPMENT

The zoological laboratories are equipped with microscopes, models, and other apparatus for all the ordinary work in zoology, microscopic 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 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 B. J. Bretherton, of Newport, Oregon, and presented to the University.

## DEGREES CONFERRED 1919

## MASTER OF ARTS

Margaret B. Edmondson  
Ada Robert Hall

Chester K. Kronenberg  
D. Elody Nesty

## MASTER OF ARTS IN PUBLIC SERVICE

Thompson Coit Elliott

Richard Ward Montague

## BACHELOR OF ARTS

Caroline Alexander  
Walter B. Amspoker  
Helen C. Anderson  
Elizabeth D. Aumiller  
Nana Clarice Axtell  
Marie Badura  
Frances Elizabeth Baker  
George W. Baney  
Charlotte Jane Banfield  
Agnes Cecelia Basler  
Laura Alice Beck  
Joseph David Boyd  
Helen Brenton  
Edd E. Brosius  
James M. Burgess  
Tracy Wallace Byers  
Helen Stansfield Campbell  
Marjorie R. Campbell  
Chu, Dong Kiang  
Marion Adele Coffey  
Bess Colman  
Terressa Cox  
Kathleen Martha Davis  
Vera I. Derflinger  
Ella Dews  
Lawrence Dineen  
Catherine A. Dobie  
Laura G. Eaton  
Ella Ehmsen  
Henry F. English  
Eric Englund  
Andrew Fish  
Dorothy Flegal  
Franklin Erten Folts  
Frances Frater  
Harriett C. Garrett  
John De Witt Gubert  
Grace Gilmore  
Dorothy Joann Graham  
Ruth Estelle Graham  
Edna May Gray  
Ruth Elvira Green  
Harold Davis Grey  
Mary Helen Guttery  
Helen E. Hair  
Virginia Hales  
Daisy Thomas Halleck  
Hallie Ruth Hart  
Kathryn E. Hartley  
Minnie Rebecca Heath

Rieta Campbell Hough  
Irene M. Hunt  
Sophia Hunter  
Lucile Hester Hurd  
John G. Imel  
Oran A. Jenkins  
Wilford G. Jenkins  
Mary Johns  
Kathryn E. Johnson  
Ruth Kaye  
Georgiana Kessi  
Mabel Elsie Laing  
Erma Laird  
Margaret Eunice Lamson  
Lois Allen Laughlin  
Eloine V. Leighton  
Maud Lombard  
Nellie McClure  
Vena Lucinda McCully  
Helen McDonald  
Miles Hobart McKey  
Creston R. Maddock  
Essie Lois Maguire  
Leila Ervin Marsh  
Clyde Walter Mason  
Stephen Wallace Matthieu  
Mary Opal Mattley  
Maud Mattley  
Samuel C. May  
Christie Meek  
Bernice Miller  
Margaret Monroe  
Ruth Montgomery  
William Henry Morrison  
Richard Newman Nelson  
Harold John Newton  
Mellie Lucia Parker  
Mildred Arlene Parks  
Helen H. Purington  
Russell Clyde Ralston  
Hazel Rankin  
Mabel Rankin  
Nellie E. Reidt  
Leta Estelle Rhodes  
Homer P. Rush  
William Robert Rutherford  
James Sarsfield Sheehy  
Randall Scott  
Paul Edwin Spangler  
Emily Belle Spulak

Mildred Janet Steinmetz  
Emma Stephenson  
Elva Elizabeth Stetson  
Sara Frances Stiles  
George Webster Taylor  
Annie Irene Hales Tegart  
Ernest H. R. Thun  
Elizabeth Mary Townsend  
Annette Henderson Vaughan  
Ethel Marie Waite  
Cora E. Ware

Claire Frances Warner  
Wayne Wells  
Edna May Whipple  
Marguerite A. Whitton  
Frances Wiles  
Marion Tuttle Williams  
Louise Frances Wilson  
Jennie Marcellus Yoder  
Ralph G. Young  
Erma McKee Zimmerman

## BACHELOR OF SCIENCE

James L. Almack  
George Theron Colton  
Charles B. Comfort, Jr.  
Edwin Payne Cox  
Charles Karn Crandall  
Marion E. Hays  
Moreita Gladys Howard  
Ralph Franklin Milne  
Clifford L. Mitchell  
Kenneth A. Moores

Carl E. Nelson  
W. W. Patterson  
Arthur Runquist  
Dorothy Sanford  
Donald De Cou Smythe  
Lucille Stanton  
Harold R. Tregilgas  
Melba Irene Williams  
David H. Wilson  
Grace Young

## BACHELOR OF SCIENCE IN ARCHITECTURE

Arthur Glenn Stanton

## BACHELOR OF SCIENCE IN EDUCATION

Howard James

## BACHELOR OF SCIENCE IN COMMERCE

Don Belding  
Rufus McKnight Eckerson

R. Lloyd Tegart

## BACHELOR OF LAWS

Marvin Cavanaugh Holland

## DOCTOR OF MEDICINE

Anson Gaston Allen  
John Woolverton Barcroft  
Leland Vess Belknap  
Linus H. Bittner  
Jesse Le Roy Bloch  
Vernon Jordon Brown  
Nicholas S. C. Cheekes  
Clyde Wilson Collins

Charles David Donahue  
Norman Elmer Irvine  
Trenton William Johnston  
Irving Elliott Lloyd  
Victor Hugo Leweaux  
Edmund W. Simmons  
Ivan Medhurst Woolley

## HIGHEST HONORS

The following students have been awarded Highest Honors in the subjects listed below:

## CHEMISTRY

Clyde Walter Mason

## COMMERCE

Don Belding

## EDUCATION

Ruth Montgomery

## ENGLISH LITERATURE

Teresa Cox

## GEOLOGY

Richard Newman Nelson

Donald DeCou Smythe

## PUBLIC SPEAKING

Ruth Estelle Graham

## RHETORIC

Tracy Wallace Byers

## REGISTER OF STUDENTS 1919-1920

## GRADUATE SCHOOL

Name	Home Address	Name	Home Address
Allen, Raymond Nelson	Eugene	Groening, Abram A.	Dallas
B.A. 1918—Chemistry		University of Kansas—Chemistry	
Almack, James L.	Eugene	Hall, Mrs. Robert C.	Eugene
B.S. 1920—Education		Des Moines College, Iowa—History	
Bain, Read	Tillamook	Keezel, E. L.	Philomath
B.A. 1919—Economics		B.A. 1916—Education	
Beck, Mrs. Anna Landsbury	Eugene	Kelsey, Frank B.	Portland
B.A. 1919—English		B.S. Wash. State College—Geology	
Bendshadler, Mrs. Alice S.	Eugene	McKey, Miles H.	Portland
B.A. 1911—Mathematics		B.A. 1919—Law	
Bendshadler, George	Eugene	MacMickle, Mrs. Emilie M.	Portland
O. A. C. Pre-Med.		B.A. 1908—Rhetoric	
Benjamin, Mrs. Georgia Kessi	Eugene	Mason, Clyde W.	Eugene
B.A. 1919—English		B.A. 1919—Chemistry	
Berryman, Clara M.	Los Angeles, Cal.	Miller, Wendell L.	Salem
University of Wisconsin—English		B.A. McMinn. Col., 1913—Comm.	
Bond, Lewis A.	Eugene	Montgomery, Ruth	Eugene
B.S. 1916, M.S. 1917—Geology		B.A. 1911—Education	
Bowen, Alex P.	Eugene	O'Day, Marcus	Eugene
B.A. 1917—Psychology		B.S. 1920—Physics	
Boyd, Joseph D.	Lodi, Cal.	Parks, Mildred A.	Roseburg
B.A. 1919—Sociology		B.A. 1919—English Literature	
Chambers, Mary H.	Eugene	Runquist, Arthur	Aberdeen, Wn.
B.A. 1917—Zoology		B.S. 1919—Art	
Clark, John H.	Pullman, Wn.	Rutherford, Ellwyn	Eugene
B.S. W. S. C., 1919—Economics		B.A. 1917—Chemistry	
Douglass, L. C.	Salem	Scott, Randall B.	Springfield
B.A. Univ. of Mo., 1915—Education		B.A. 1919—History	
English, Henry F.	Eugene	Shotwell, Thomas A.	Hermiston
B.A. 1919—Economics		McMinnville College—Chemistry	
Fish, Andrew	Eugene	Simpson, Samuel M.	Corning, Cal.
B.A. 1920—History		McMinnville College—Psychology	
Foulkes, Laura Celeste	Portland	Slavin, Isabelle	Tonopah, Nevada
B.A. 1918—Geology		B.A. Univ. of Nev., 1919—Zoology	
Gilbert, John DeWitt	Astoria	Solve, Melvia	Bandon
B.A. 1920		B.A. 1918—Rhetoric	
Gilson, Dorothy	Glendale, Cal.	South, Floyd	Scio
B.A. Univ. of Cal., 1918—Latin		B.S. in Commerce, 1917—Zoology	
Graham, Leone	Forest Grove	Taylor, Elizabeth Margaret	Eugene
Pacific Univ.—English Literature		B.A. Occiden'l Coll., 1918—Spanish	
Gray, Lois	Eugene	Taylor, George W.	Vale
B.A. 1918—Romance Language		B.A. 1919—Physics	
Green, Ruth E.	Creswell	Turney, Ida V.	Stanley, Wis.
B.A. 1919—Rhetoric		B.A. 1912, M.A. 1913—Rhetoric	
Gregory, Mrs. Sadie Smith	Eugene	Vaughn, Annette H.	Eugene
Indiana University—Economics		B.A. 1919—Rhetoric	
		Wells, Harold J.	Eugene
		B.A. 1917—Law	

## UNDERGRADUATES

Name	Home Address	Name	Home Address
Abbott Leith	Ashland	Adams, Alfred L.	Silverton
Abel, Mrs. John W.	Myrtle Point	Adams, Chester E.	Myrtle Point
Ahles, Willard C.	Springfield	Adams, F. Cecil	Maedocel, Cal.
Acton, Gayle Temple	Portland	Adams, Frankie	Maedocel, Cal.

Name	Home Address	Name	Home Address
Adams, John C.	Portland	Fallack, Mae	Albany
Addison, Helen M.	Eugene	Fanks, Walter H.	Portland
Adler, George H.	Arcata, Cal.	Farager, James Stuart	Stanfield
Ady, Marion	Eugene	Farde, Harold H.	Portland
Akers, Carroll	Wasco	Barendrick, Erwin H.	Portland
Akers, Wayne M.	Wasco	Barger, La Velle	Eugene
Alexander, Dell	Independence	Barker, Beatrice	Astoria
Alexander, Helen	Portland	Barnard, Eloise	Eugene
Alexander, John	Portland	Barnes, Cecile F.	Goldendale, Wn.
Allan, Charles	Eugene	Barnes, Maud	Dallas
Allen, Wilford C.	Grants Pass	Barnett, Lois	Wasco
Allen, Stanley E.	Portland	Barnett, Irene H.	Albany
Allen, Zoe	Portland	Bartholomew, Lee	Stanfield
Allyn, William Pope	Astoria	Bartholomew, Lyle P.	Salem
Almack, Iva	Portland	Bartie, Helen	Eugene
Alstock, Bernice	Eugene	Bartie, Ruth	Eugene
Amburn, Ernest	Portland	Bartlett, William Kenneth	Estacada
Anderson, Aulis	Portland	Baruh, Leo	Portland
Anderson, Blanche	Eugene	Base, Arthur H.	Portland
Anderson, Catherine	Baker	Fasler, Uldawalla	Grants Pass
Anderson, Evon L.	Portland	Rater, Muriel	Elgin
Anderson, George	Sandpoint, Idaho	Baugh, Ruby	Eugene
Anderson, John William	Ashland	Faungartner, Josephine	Salem
Anderson, Leland Stanford	Portland	Bayly, Day	Eugene
Anderson, Le Roy P.	Portland	Beale, Claire	Portland
Anderson, Myrtle	Melrose	Beatie, Margaret Ann	Oregon City
Anderson, Ruth	Marshfield	Beaver, Hallie R.	Pleasant Hill
Anderson, Victor L.	Portland	Beaver, Meredith G.	Ashland
Andraieff, Alexander	Roseburg	Beck, William F.	Dallas
Andre, Roland Albert	Athens	Becksted, Wilhelmina	Portland
Andrews, Marie	Oregon City	Beeman, Horton	Gold Hill
Andrews, Marion	Eugene	Beggs, George J.	Portland
Andrews, Raymond L.	Eugene	Belcher, F. Stewart	Portland
Apperson, Mildred	McMinnville	Bell, Cecil D.	Pendleton
Applebury, Theodore R.	Eugene	Teller, Francis	Freewater
Arant, Francis	Monmouth	Belknap, Hobart D.	Prineville
Armantrout, Guy E.	Eugene	Beloso, Felix	Capiz, P. I.
Armstrong, Jory Kenneth	Portland	Benedict, James G.	Portland
Armstrong, Mac	Eugene	Benefiel, Eva	Wasco
Arnold, Joseph Elmer	Cottage Grove	Benefiel, John W.	Portland
Ashcraft, Le Roy	Ashland	Benjamin, Harold R.	Eugene
Atkinson, Bertha	Eugene	Bennchoff, Viri	Richland
Aumiller, Mildred	Eugene	Kenneth, Dorothy	Portland
Austin, Ruth M.	Yakima, Wn.	Benson, Mildred O.	Homedale, Idaho
Averill, Archie E.	Woodburn	Bent, James A.	Eugene
Avery, L. Gordon	The Dalles	Berk, Joseph Arthur	Portland
Babb, Avon D.	Portland	Berk, Richard F.	Portland
Bader, Newton C.	Eugene	Berni, Holt W.	Portland
Bagley, Elva Anne	Oakland, Cal.	Berry, Alda	Newport
Bailey, Eleanor	Portland	Berry, Margaret	Hood River
Bailey, Mary Ellen	Junction City	Berryman, Mrs. M. A.	Los Angeles, Cal.
Bailey, Walter L.	Eugene	Bettinger, Elmer	The Dalles
Bain, Lyle M.	Springfield	Bettinger, Mildred	The Dalles
Baird, David W. E.	Poplar, Mont.	Biason, Perfecto	Pang, P. I.
Baird, William R.	Baker	Biggs, Helen	Baker
Baker, James H.	Fowler, Cal.	Birchard, Dora E.	Grants Pass
Baker, Katherine	Oakland	Black, George, Jr.	Portland
Baker, Kathryn I.	Hood River	Black, Mable	Portland
Baker, Ruth	Hood River	Blackaby, William B.	Ontario
Bald, Katherine	Waluga	Blackburn, Arnold M.	Portland
Baldevae, Echo	Portland	Blaesing, Lenore	Portland
Ball, Alice	Dallas	Blake, Mearl	Ione
Ball, Kathryn	Big Pincy, Wyo.		

Name	Home Address	Name	Home Address
Blaker, Carl F.	Keyport, Wn.	Isholzer, Fridolin A.	Switzerland
Blaker, Mildred	Vancouver, Wn.	Kallard, Lester I.	Portland
Bleakney, Jaye	Hullit	Kullock, Samuel E.	Portland
Blood, Edgar D.	Portland	Bluck, Vernon C.	McMinnville
Blood, Laura	Portland	Bunce, Mark J.	Eugene
Blue, George V.	Ashland	Burchdorf, John H.	Baker
Blurock, Frances E.	Vancouver, Wn.	Buren, Wolcott E.	Salem
Blurock, Florence M.	Vancouver, Wn.	Burford, Alvin	San Mateo, Cal.
Boatman, Percy A.	Spokane, Wn.	Burgan, Wilma June	Richland
Bodine, Bessie B.	Eugene	Burgess, Ralph Newton	Pendleton
Boettcher, Marion	The Dalles	Burke, Helen	Long Beach, Cal.
Boettcher, Robert	Albany	Burkhead, Ranie P.	Monmouth
Boezan, Morenc	Joseph	Burleigh, Sylvester H.	Enterprise
Bolger, William S.	Portland	Burleson, James B.	McMinnville
Bolithe, T. J.	Eugene	Burnett, Arvin A.	Ashland
Bolton, Wilbur	Antelope	Burns, Raymond H.	Cocuille
Bonebrake, Harold O.	Portland	Burt, Leota A.	Portland
Boner, Inez O. M.	Eugene	Burton, Mary Lou	Eugene
Boeker, John	Walla Walla, Wn.	Bushman, Arthur G.	Eugene
Borman, George W.	Portland	Euter, Arnel P.	Medford
Bosch, Frank A.	Portland	Euter, Jay B. V., Jr.	Monmouth
Bothwell, Rose M.	Gold Beach	Dyerler, David A.	Portland
Bowen, Harry Eugene	Eugene	Dyer, Horace	North Bend
Bowen, Marion	Livingston, Mont.	Byrne, J. Gordon	Eugene
Bower, Milton W.	Corvallis	Byrne, Norman T.	Eugene
Bowles, Floyd F.	Portland	Cady, Clarence E.	Eugene
Brown, Lee M.	Eugene	Callkins, Clara	Klamath Falls
Boyer, Ezra L.	Rickreall	Callkins, Madge	Eugene
Eyver, Meril A.	Grande Ronde	Callins, Myler	Klamath Falls
Boyer, Raymond A.	Rickreall	Callahan, Robert F.	Eugene
Boyle, Lawrence J.	Canyonville	Callaway, Owen M.	McMinnville
Boyle, Ernest L.	Pendleton	Callison, Preece	Eugene
Boyle, Eugene N.	Pendleton	Cameron, Clem	Hillsdale
Boynon, Dorothea	Eugene	Cameron, Ronald	Hillsdale
Bracher, Andreas B.	Portland	Cameron, Virgil L.	Hood River
Brack, John	Woodburn	Campbell, Arthur W.	Hepner
Bradson, Victor D.	Salem	Campbell, Cogswell F.	Eugene
Bradshaw, Robert V.	Eugene	Campbell, Flora G.	Eugene
Bradway, James M.	Eugene	Campbell, Glenn S.	Portland
Bramley, Arthur	Eugene	Campbell, Jan	Eugene
Brandenburg, Everett H.	Deschutes	Campbell, Lindsey C.	Amity
Brandon, Peter M.	Tyler, Minn.	Canning, Laurel	Monmouth
Branstetter, Kelley	Eugene	Cannon, Caroline	Portland
Branstetter, Lucile	Eugene	Cannon, Clarence D.	Oregon City
Brattain, Creed V.	Springfield	Capell, Jackson H.	Portland
Brauer, Mildred A.	Eugene	Capps, Alice A.	Eugene
Breed, Benjamin H.	The Dalles	Capps, Albert M.	Portland
Brewer, Lena V.	Springfield	Carl, Wilbur M.	Portland
Briggs, Marion L.	Hermiston	Carlisle, Lay A.	The Dalles
Brock, Harold E.	Pendleton	Carlock, Marcile M.	Portland
Broxan, Philip P.	Antelope	Carlson, Clarence	Beaverton
Bromberg, Helen	Portland	Carlson, Clifford M.	Eugene
Bronaugh, Annamay	Portland	Carlson, John Eric	Portland
Brooks, Agnes Jessie	Portland	Carlson, Ruby	Eugene
Brosius, Frank L.	Prineville	Carpy, Kenneth	La Grande
Brown, Alexander G.	Portland	Carroll, Ruth A.	Portland
Brown, C. Mortimer	Los Angeles, Cal.	Carson, Allan G.	Salem
Brown, Eyle	Eugene	Carson, Helen Virginia	Hood River
Brown, Helen P.	Medford	Carson, Wallace P.	Salem
Brown, Rutherford A.	Haines	Carter, Frank G.	Eugene
Brown, Wanda V.	Eugene	Carter, Leslie L.	Portland
Bryson, John	Eugene	Carter, Margaret	Eugene
Bryson, Lyle	Eugene	Carter, Mary R.	McMinnville

Name	Home Address	Name	Home Address
Carter, Sprague H.	Portland	Colton, Gretchen	Portland
Casad, Margaret	Eugene	Combs, Albert N.	Portland
Case, Bertha	Portland	Comstock, Kenneth	Sutherlin
Case, Helen M.	Tillamook	Condit, De Etta	La Grande
Case, Robert O.	Portland	Condon, Dorothy	Portland
Case, Ruth	Union, Wn.	Condon, Kenneth K.	Portland
Case, Victoria	Portland	Conklin, Margaret D.	Portland
Casey, Florence	Portland	Connolly, Harold F.	Portland
Casoy, Helen	Roseburg	Conrad, Earl P.	Corvallis
Casteel, Jesse	Eugene	Cook, Elmer Dean	Salem
Cash, Dorothy R.	Portland	Cook, Paul W.	Eugene
Chaimov, Arnold	Portland	Coolidge, Emma	Spokane, Wn.
Chambers, Victor	Cottage Grove	Coolidge, Lorna	La Grande
Chandler, W. Glenn	Canyon City	Cooper, Elaine	Portland
Chandler, Vivian	Dayton, Wn.	Cooper, Helen	The Dalles
Chapman, Bertha	North Bend	Copenhaver, M. Lucile	Eugene
Chapman, Eleanor M.	Vancouver, Wn.	Copenhaver, Nellie	Eugene
Chapman, Thomas I.	Marshfield	Corrigan, Clara	McMinnville
Chase, Genevieve	Coquille	Cosgriff, Robert J.	Portland
Chase, Hilda N.	Portland	Gassman, Leo H.	Portland
Chathurn, Kate	Bandon	Couch, Ralf	Creswell
Chausse, Dorothy H.	Portland	Cox, Edwin P.	Walla Walla
Chingren, Lila	Spokane, Wn.	Cox, Remy	Salem
Chipping, Anna Mae	Hood River	Craig, Bernice	Portland
Christensen, Leona M.	Centralin, Wn.	Craig, Dolph L.	Salem
Christensen, P. E.	Eugene	Cram, Lenora	Salem
Christiansen, Russell W.	Eugene	Crandall, Charles K.	Hood River
Churchill, Doris	Toledo	Crandall, Violet B.	Vale
Chute, John L.	Salem	Craven, Elwyn	Eugene
Clancy, Genevieve	Jefferson	Crawford, Frank	Dallas
Clark, Mrs. Avis Brooks	Portland	Creede, Cecile	McMinnville
Clark, Beatrice	Spokane, Wn.	Creede, Edythe	Central Point
Clark, Beulah	Garden City, Kansas	Crewdson, Beatrice L.	Central Point
Clark, Carl C.	Portland	Crissey, Sherman B.	Portland
Clark, Charlotte	Clarksville, Texas	Crockett, Ernest L.	Marengo, Ill.
Clark, Earl C.	Pler, Idaho	Crosby, Fred	Spokane, Wn.
Clark, Floy W.	Portland	Crosfield, George Newton	Eugene
Clark, Frank B.	Emmett, Idaho	Crosfield, Jeannette	Wasco
Clarke, Heler M.	La Grande	Croxall, Josephine	Wasco
Clerin, Hugh L.	Tacoma, Wn.	Culbertson, Leon A.	Bandon
Clodfelter, Donald	Portland	Cummins, Pierce A.	Salem
Coad, Pauline	Wasco	Cundy, Margaret M.	Portland
Coates, Agnes Belle	Dallas	Curry, Albert R.	Portland
Coates, W. Thomas	Tillamook	Curry, Clyde C.	La Grande
Coburn, Earle	Tillamook	Curtin, Helen Louise	Wasco
Cockerline, Kenneth W.	Dayton	Curtis, Alice E.	Decorah, Iowa
Coe, Meltrude	Eugene	Cushman, Dorothy	Marshfield
Coffey, Valiere	Eugene	Cusick, George E.	Eugene
Coffield, Naomi H.	Portland	Daggett, Wanda	Albany
Cofoid, Walter B.	Vancouver, Wn.	Dahl, Helen	Portland
Cohn, A. Leo	Portland	Dallas, Mrs. Marguerite	Napa, Cal.
Coleman, Eleanor	Portland	Dallas, Rex	Corvallis
Coleman, William E.	Eugene	Dana, Frances Irene	Corvallis
Coley, Mrs. Emma B.	Portland	Danford, Rita	Sheridan, Wyo.
Coley, Fred	Eugene	Danford, Ruth	Eugene
Collier, Kathryn	Eugene	Darby, Herbert J.	Eugene
Collins, Audrey	Forest Grove	Davidson, Bernice	Salem
Collins, George A.	Portland	Davidson, Roy L.	Eugene
Collins, Harvey S.	Portland	Davis, Clyde D.	Helix
Collins, Spencer R.	Portland	Davis, Clyde K.	Grass Valley
Collins, William J.	Eugene	Davis, Don D.	Milwaukie
	Portland	Davis, Louise	Nyssa
			Eugene

Name	Home Address	Name	Home Address
Davison, Dorothy L.	Nampa, Idaho	Dyer, Winona	Astoria
Day, Dudley R.	Prescott, Ariz.	Eakin, Dorothy	Astoria
Day, Helen V.	Eugene	Eakin, Priscilla	Astoria
Decker, Herbert R.	Portland	Earl, Robert	Dayton
Deedman, Harold E.	Clackamas	Eben, Maurice N.	Joseph
Deffenbacher, Floyd L.	Coburg	Eby, Marvin R.	Eugene
De Lab, Virgil G.	Klamath Falls	Edblom, Harold G.	Eugene
Delzell, Marjorie	Klamath Falls	Edblom, Lester H.	Eugene
Deming, Eugenia	St. Helens	Edsall, Marjorie	Bly
Deming, Meryl W.	Albany	Edwards, Deo	Eugene
Denn, Annabel	Roseburg	Edwards, Herman F.	Cottage Grove
De Pue, Frank	Springfield	Edwards, Warren A.	Cottage Grove
Detering, Henrietta	Harrisburg	Eggleston, Asa W.	Enterprise
De Vore, Cecile	Heppner	Eggleston, Eunice	Joseph
De Vore, Loye	Heppner	Eisman, Stanley	Portland
Dezendorf, Doris	Portland	Fider, John N.	Baker
Dickey, Dorothy	Eugene	Ellis, Harry	Baker
Dickson, Frank F.	Portland	Ellis, Loran J.	Eugene
Diehl, Ruth Elizabeth	Portland	Ellsworth, Gladys	South Bend, Wn.
Dierdorff, John	Hillsboro	Ellsworth, M. Harris	Cascade Locks
Digness, Eva	Silverton	Elrod, Lucile A.	Portland
Digman, Jesse A.	Portland	Elrod, Maurine	Portland
Dillard, Mason	St. Helens	Elwood, Ouden C.	The Dalles
Dillard, Walden W.	St. Helens	Ely, Arthur N.	Portland
Diment, Gladys	Marshfield	Ely, Mrs. Arthur N.	Portland
Dinwiddie, Merrill W.	Corvallis	Ely, Merrill D.	Portland
Dinwiddie, Kufus M.	Jordan Valley	Emison, Beatrice	Ennis, Mont.
Dippel, Edna Winifred	Eugene	Emison, Gladys	Ontario
Ditto, Alma	St. Helens	Engeldinger, Vincent	Hillsboro
Dixon, Dorothy	Eugene	English, J. Nelson	Portland
Dixon, Richard P.	Eugene	Englund, Milleanna B.	Starbuck, Minn.
Dodds, Ralph	Portland		
Dodds, Floyd W.	Salt Lake, Utah	Enkelis, Jake	Portland
Dodds, Mildred E.	Dufur	Enlund, Lloyd A.	North Bend
Dodson, Fred A.	Baker	Engstrom, Ruth F.	Portland
Dorlon, Dorothy	Portland	Epping, Betty	Hood River
Dotson, Vala	Eugene	Epping, Carl	Hood River
Downard, W. Paul	San Francisco, Cal.	Erickson, Francis V.	Pacific Beach, Wn.
Downs, Anna	Portland	Erickson, Joe William	Estacada
Dresser, Ralph	Marshfield	Ernest, Maude M.	Eugene
Driscoll, Edwin	Klamath Falls	Esparza, Amelia	Eugene
Druley, Mary	Boston, Ind.	Estes, Newton J.	Eugene
du Buy, Helen Louise	Eugene	Estey, Josephine	Portland
Dudley, Verne	Athens	Evans, Alice	Portland
Duerner, Laura	Hillsboro	Evans, Ernest J.	Eugene
Duffy, Matthew	The Dalles	Evans, Edward Stanley	Monmouth
Duke, George	Sutherlin	Evans, Margaret	Eugene
Junham, Morianne	Milwaukie	Evans, Mary	Portland
Duniway, Dorothy	Portland	Everett, Gladys	Portland
Duniway, Margaret	Portland	Ewer, A. Ethel	Portland
Dundore, John G.	Portland	Fallis, Mauna Loa	Portland
Dunn, Ariel E. V.	Portland	Fargher, Stanley	Dufur
Dunn, F. Berrian	Eugene	Fariss, Orecene A.	Eugene
Dunn, F. Ray	Eugene	Farley, Estey R.	Dallas
Dunn, Fred C.	Eugene	Farnham, Grace E.	Siltcoos
Dunsmore, Louis S.	Portland	Farrington, Paul P.	Eugene
Durfcy, Charles J.	Hermiston	Farris, Wayne	Eugene
Durham, William	Harrisburg, Mont.	Fasel, Florence	Boise, Idaho
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Duryee, Edna	Springfield	Faulay, J. Gordon	Oregon City
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Leavitt, Maybelle	Klamath Falls	McCornack, Mary	Klamath Falls
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		McGillivray, George F.	Eugene

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		Moore, Mary	Eugene
		Moore, Merle W.	Portland

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Nelson, Margaret	Portland	Patterson, Sterling	Pendleton
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Nelson, Wanda	McMinnville	Paulsen, Gladys	Newberg
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Ness, Lewis J.	Portland	Payson, Aurita	Portland
Newbury, Carl	Medford	Pearson, James L.	Eugene
Newbury, Donald R.	Medford	Pearson, Lillian J.	Eugene
Newland, Mildred	Springfield	Pease, Edna	The Dalles
Newhall, Jack	San Francisco, Cal.	Pease, Paul E.	Tacoma, Wn.
Newton, Lena E.	Pasadena, Cal.	Peery, Leslie T., Jr.	Portland
Nichols, Ila R.	Hood River	Peltier, Gaylord	Eugene
Nicolai, Helen	Portland	Pendell, Elmer	Waverly, N. Y.
Nicolai, Marian E.	Portland	Perkins, Audrey	Springfield
Niemi, Albert	Portland	Perkins, Georgina	Gardiner
Nissriros, Philip George	Portland	Perry, Emily	Portland
Noren, Jennie	Beaver	Perry, Frances Elizabeth	Medford
Noren, Minnie L.	Portland	Peterson, Curtis A.	Eugene
Northrop, Theron F.	Payette, Idaho	Peterson, Elizabeth M.	Hillsboro
Nozler, Gladys	Coquille	Peterson, Frances	Sutherlin
Noves, Mrs. Helen	Portland	Pfoest, Lancela Irene	Boise, Idaho
Nunn, Leslie L.	The Dalles	Pfouts, James B.	Junction City
Nygren, Carl	Albany	Phelps, Margaret	Pendleton
Nygren, Nellie	Albany	Phetelplace, Carl H.	Springfield
Oyenechain, Marie	Bly	Phetelplace, Gertrude	The Dalles
Oberg, George W.	Eugene	Phillips, Norman Y.	The Dalles
Obertuffer, Delbert	Portland	Phillips, Charles H.	Eugene
O'Bryan, Jack	Portland	Phillips, Curtis G.	Portland

Name	Home Address	Name	Home Address
Phillips, Harry	McMinnville	Rice, Martha Ann	Boise, Idaho
Phillips, Wilbur	McMinnville	Richards, Imogene	Multnomah
Phipps, Dwight L.	Medford	Richardson, Earle	McMinnville
Phipps, Ivan F.	Ashland	Richardson, James	Creswell
Phipps, Troy A.	Ashland	Richmond, Merrill D.	Salem
Pierson, Harry W.	Bellingham, Wn.	Richter, Ernest A.	Oak Grove
Pike, Esther	Eugene	Rickard, Oran	Junction City
Pilkington, Geraldine	Portland	Riddle, Florence	Grants Pass
Pipes, Cornelia	Portland	Ridings, Marie	Eugene
Pivie, Edith Louise	Portland	Ridings, Reta	Eugene
Pittinger, Doris	Eugene	Rife, Edna May	Meridian, Idaho
Pixley, Everett H.	Eugene	Riggs, George D.	Klamath Falls
Pixley, Lois	Eugene	Riggs, Robert M.	Klamath Falls
Plummer, Roger S.	Portland	Rise, Bernice M.	Salem
Pointer, James A.	Lexington	Ritter, Arthur C.	Portland
Poley, Lillie M.	Ashland	Robbins, Naomi	Molalla
Porter, Raymond L.	Portland	Robe, Cecil F.	Junction City
Porter, Virgil	Mill City	Roberts, Audrey	Klamath Falls
Porter, William W.	Walker	Roberts, Carroll C.	Fresno, Cal.
Portwood, Donald H.	Monmouth	Roberts, Roscoe	The Dalles
Poston, Kathryn Irene	La Grande	Robertson, Charles G.	Salem
Poston, Ralph E.	La Grande	Robinson, Charles	Multnomah
Potter, William J.	Portland	Robinson, Donald M.	Portland
Potter, Alberta	Eugene	Robinson, Sidney V.	Portland
Potter, Aurora	Eugene	Robinson, Violet G.	Eugene
Potts, Mabel B.	Eugene	Rogers, Belle	Monmouth
Powell, Clares C.	Monmouth	Rogers, Gertrude	Monmouth
Powers, Delmer L.	Malone, Wn.	Rogers, Lucia	Independence
Powers, Thomas Earl	Eugene	Rogers, Zonweiss	McMinnville
Povey, Dymon E.	Portland	Rosebraugh, Arthur	Salem
Prescott, Hubert W.	Ashland	Rosenberg, Abraham E.	Portland
Prospal, Thomas L.	Sebo	Ross, Cecil J.	St. Helens
Prosser, Edwina	Eugene	Ross, James H.	Toledo
Purdy, William B.	Eugene	Ross, Spencer Iver	Astoria
Pyritz, Pearl M.	Reedsport	Ross, Velma	Marshfield
Quayle, Harold M.	Portland	Ross, Walter Carlton	Moro
Quisenberry, Frances	Eugene	Ross, Webster K.	Dallas
Radebaugh, Mamie	Goshen	Roth, Conrad E.	Portland
Ralston, William C.	Portland	Rouslow, Adrian K.	Astoria
Rambo, W. Huber	Baker	Rover, Blanche Clark	Eugene
Ramont, Maybelle	Modesto, Cal.	Rowland, Eugene Reed	Salem
Rand, Dewey	Portland	Royer, George	Portland
Rand, Laura	Portland	Ruble, Webster	Eugene
Randall, Donald T.	Salem	Ruch, Geraldine	Eugene
Rasor, Hazel	Eugene	Ruch, Helen	Eugene
Rasor, Lulu	Eugene	Ruedy, Vern E.	Portland
Rasor, Orval	Eugene	Rugg, Grace	Pendleton
Rawlings, Ella	Corvallis	Rugh, Irene J.	Eugene
Redford, Homer D.	Eugene	Runquist, Albert C.	Portland
Redmond, Lucile	Redmond	Rupert, Velma H.	Eugene
Reed, Bennie A.	Eugene	Russell, Margaret	Tacoma, Wn.
Reed, Dorothy	Portland	Russis, William J.	Portland
Reed, Hugo A.	Astoria	Rustad, Ivanhoe A.	Eugene
Reed, Helene	Eugene	Rustad, Vivian	Eugene
Reed, Richard	Eugene	Ryan, Clare	Portland
Reese, Margaret	Tacoma, Wn.	Ryan, Lawrence J.	Portland
Rees, Sherman E.	Portland	Sacre, Guy E.	Monmouth
Reid, Frank M.	Redding, Cal.	Sage, Alfaretta	Ontario
Reinhart, William R.	Salem	Sage, Grace	Ontario
Rice, Dallas C.	Milton	Samuel, George J.	Hood River
Rice, Edna H.	Portland	Samuel, Mary A.	Hood River
Rice, Eva	Roseburg	Sanborn, Roberta	Portland
Rice, Hilda M.	Milton	Sanborn, Ruth	Eugene

Name	Home Address	Name	Home Address
Sanders, Hazel	Athens	Skedels, Marvel	Coquille
Say, James G.	Sherwood	Skidmore, Wm. R.	Eugene
Sass, John H.	Richland	Skinner, Florence	Emmett, Idaho
Savage, Carlton	Waco	Skulason, Rolfe W.	Portland
Sawtell, Doris	Portland	Skyrman, Harry C.	Central Point
Schafer, Max	Eugene	Slaughter, Walter D.	Fairburg, Neb.
Schafer, Paul	Eugene	Sliffe, Edith M.	John Day
Scheidt, Herbert	Hillsboro	Sloan, Emerald F.	Eugene
Schenck, Evelyn H.	Eugene	Slotboom, Madeline	Portland
Schenck, Hubert G.	Eugene	Small, Anabel	Cottage Grove
Schilke, Frederika	La Grande	Smith, B. Trueblood	Grass Valley
Schmeer, J. Haseltine	Portland	Smith, Bula	Pendleton
Schmidt, Carmen	Oregon City	Smith, Charles G.	Walker
Schroeding, Walter D.	Eugene	Smith, Eleanor	Corvallis
Schnabel, Charles H.	Portland	Smith, Ella B.	Eugene
Schuebel, Glyde	Oregon City	Smith, Gladys E.	Portland
Schuerman, Fred M.	Ashland	Smith, Hallie M.	Dallas
Scott, Elsie	Bellingham, Wn.	Smith, Harry A.	Eugene
Scott, Margaret	Portland	Smith, Helen E.	Portland
Scott, Ruth	Springfield	Smith, Helen S.	Eugene
Scrivner, Harry G.	Boise, Idaho	Smith, Hubert L.	Pendleton
Seaman, Dorothy	Portland	Smith, Irya	Walderville
Sears, James L.	Albany	Smith, Irving G.	Redmond
Seitz, Corwin V.	Alsea	Smith, John Allan	Eugene
Selder, Ruth	The Dalles	Smith, Kenneth G.	Portland
Selig, Maurice N.	Falls City	Smith, Lester L.	Butte Falls
Sensenich, George W.	Portland	Smith, Lora Evelyn	Redmond
Sengstaken, Doris	Marshfield	Smith, Lynde C.	Wasco
Seymour, Darle A.	Leaburg	Smith, Mable	Ashland
Shaffner, Bertha E.	Eugene	Smith, Mildred E.	Redmond
Sharkey, William P.	Portland	Smith, Paul A.	Portland
Shattuck, Wesley A.	Vancouver, Wn.	Smith, Margaret	Klamath Falls
Shaver, Vera	Portland	Smith, Ralph R.	Portland
Sheahan, Anne	Portland	Smith, Robert Hall	Eugene
Sheahan, Louise	West Linn	Smith, Rodney F.	Eugene
Shell, Bosse G.	Wallowa	Smith, Stephen G.	Portland
Shell, Stanley	Wallowa	Smith, Thora L.	Medford
Shelton, Mary Etta	Union	Smith, Mildred E.	Redmond
Sheppard, Barbara	Portland	Smith, William G.	Portland
Sheppard, Robert L., Jr.	Portland	Snyder, Mearl R.	McMinnville
Sherk, G. Barton	Kennewick, Wn.	Snyder, Olive C.	Portland
Sherman, Harry W.	Dayton	Soderstrom, Gerda	Divide
Sherman, Kenneth C.	Eugene	Sorenson, Nena M.	Arcadia, Neb.
Shields, Archie	Cape Horn, Wn.	South, Floyd	Sebo
Shields, Floyd	Cape Horn, Wn.	Southworth, Nell	Dallas
Shim, Richard	Ashland	Spach, Emily E.	Portland
Shipe, Alex C.	The Dalles	Spall, Eleanor	Portland
Shipp, Bernice	Prineville	Sparling, Edna Ruth	Victoria, B.C.
Shipp, Blanche	Prineville	Spellman, Sterling B.	Eugene
Shirley, George F.	McMinnville	Spencer, Bernice	Eugene
Shirley, Harold W.	Hood River	Spencer, Peter	Ashland
Shively, Jay M.	Redmond	Sponser, John C.	Niantic, Ill.
Shontz, Benjamin F.	Eugene	Spriggs, Genevieve	Medford
Showalter, Vera	Cheney, Wn.	Spulak, Helen	Canby
Shrode, Francis	Walderville	Standifer, James K.	Eugene
Sichel, Martin S.	Portland	Stadtwalter, Ruth	Eugene
Sikes, Dorris	Springfield	Stannard, George	Ashland
Silverthorne, Wm	La Grande	Stanton, Thelma	Portland
Simola, Arvo A.	Portland	Stanwood, Caly	Eugene
Simonson, DeWitt	Portland	Staples, Herbert C.	Portland
Simonson, Herbert R.	St. John	Starkweather, Hugh G.	Milwaukie
Simpson, Harold E.	North Bend	Starr, Sephus W.	Silverton
Simpson, Harold V.	Ashland	Starr, Silas E.	Dallas

Name	Home Address	Name	Home Address
Staub, Howard	Portland	Thompson, Clara	Moro
Stayton, Morgan	Portland	Thompson, Edward W.	Portland
Stearns, George M.	Prineville	Thompson, Jessie	Cascade Locks
Stebno, Geneva	Eugene	Thompson, Richard	Portland
Steers, Wm. H.	The Dalles	Thompson, Walter Norvelle	Nyssa
Stephens, Charles L.	Forest Grove	Thornton, Wm.	Eugene
Stephenson, Elizabeth	Portland	Thurlow, Elvira J.	Portland
Stevens, M. Nadine	Dufur	Thurston, Alice	Rosburg
Stewart, Irene	Eugene	Tigard, Grace	Tigard
Stewart, Robert E.	Eugene	Tillson, Elizabeth	Portland
Stewart, Ruth	Cottage Grove	Timmer, Herman L.	Milwaukie
Stewart, Sue	Eugene	Tobey, Vera	Eugene
Stickle, Stanley S.	Warrenton	Todd, Elaine	Tillamook
Stiles, Doris E.	Keyport, Wn.	Todd, Jessie O.	Eugene
Stockton, Kittie May	Hillsboro	Tolle, Gertrude E.	Merrill
Stockton, Miriam E.	Hillsboro	Tompkins, Eileen	Cascade Locks
Stoltenberg, Ollie	Hillsboro	Tompkins, Pauline	Caldwell, Idaho
Stone, Ethel L.	Eugene	Tormoen, Gertrude	Eugene
Stone, Lelah	Oswego	Tracy, Alma I.	Portland
Stone, Paul D.	Portland	Trafzer, Weltha	Eugene
Stoppenbach, Helen	Portland	Travis, Fern	Springfield
Stoppenbach, Theodora	Portland	Trowbridge, Joe	Portland
Stout, Marjorie S.	Eugene	Trommlitz, Lionel W.	Eugene
Stover, Ramona A.	Eugene	Truax, Mary	Medford
Strachan, Lexie	Dufur	Tschanz, Emil G.	Eugene
Strachan, Thomas A.	Dufur	Tschanz, Godfrey F.	Eugene
Strahorn, Ned	Pendleton	Tuck, Arthur W.	Redmond
Stratton, Rex	Ashland	Tuck, Ruth A.	Eugene
Stratton, Ulala M.	Eugene	Tuerck, John K.	Portland
Straughan, Marguerite	Pendleton	Turner, Amy Edna	Portland
Strode, Ida Marie	Harrisburg	Turner, Mary	Eugene
Strong, Ted P.	Tacoma, Wn.	Tuttle, Marian	Tacoma, Wn.
Strong, Vivian	Eugene	Tuve, Thomas M.	Salem
Strowbridge, Edwin	Portland	Twining, Edward B.	Oswego
Stroud, Roy C.	Trent	Tyrrill Lew J.	Gladstone
Studer, Margaret	Portland	Van Boskirk, Donald B.	Eugene
Summerville, Lees M.	Portland	Vander Sterre, Lucy	Eugene
Sundleaf, Richard	Portland	Vandevent, Arthur C.	Bend
Susman, Ruth	Portland	Van Horn, Ray	Fossil
Sutherland, Mabel	Portland	Van Loan, Birchard A.	Monmouth
Sutton, Alys	Portland	Van Nuys, Mildred	Parkdale
Sutton, Wm. P.	Liberal, Kansas	Van Schoonhoven, Alice F.	Portland
Svarverud, Carl C.	Eugene	Van Schoonhoven, Vera G.	Portland
Tallman, A. Folsom	Pendleton	Van Tassel, Harriet E.	Albany
Tapp, Robert G.	Ridgefield, Wn.	Van Valzah, Carol G.	Springfield
Tappenden, Wm. N.	Portland	Van Zile, Charles, Jr.	North Bend
Taylor, Gladys	Roseburg	Vaughn, Orson L.	Springfield
Taylor, Gretchen	Portland	Veatch, Roy	Eugene
Taylor, Mabel Caroline	Eugene	Veatch, Sylvia	Cottage Grove
Taylor, Marian	Eugene	Veazie, Emily	Portland
Taylor, Ralph L.	Albany	Vester, Raymond E.	Portland
Taylor, Walter J.	Vale	Vonder Ahe, Frank H.	Hood River
Teller, Alfred S.	Portland	Vonder Ahe, Karl L.	Hood River
Templeton, Rhetta	Eugene	Voorhies, Earle E.	Grants Pass
Templin, Fannie	Trinidad, Colo.	Wade, Francis T.	Waitsburg, Wn.
Ten Brook, Nellie	Astoria	Wagner, Leah M.	Wilsonville
Tennessee, Florence	Portland	Waldron, W. Lee	Portland
Teschner, Lora	Eugene	Walker, Charles	Creswell
Theodoro, Leopold	Laguna, P. I.	Walker, Clarence D.	Monmouth
Thiel, Eves M.	Sutherlin	Walker, George	Monmouth
Thomas, Alice	Portland	Walkley, Ethel	Long Beach, Cal.
Thomas, Irvin C.	Eugene	Ward, Edward L.	Dufur
Thompson, Chloe	Cascade Locks	Ward, Glenn S.	Eugene

Name	Home Address	Name	Home Address
Warwick, Nell E.	Marshfield	Williams, Ernest	Eugene
Warner, Ivan E.	Eugene	Williams, Helene	Eugene
Watkins, Lucile	Eugene	Williams, Joe	Eugene
Walters, Louemina	Chicago, Ill.	Williams, Miriam	Eugene
Watson, Forest C.	Portland	Williams, Vernon A.	Eugene
Watson, Lucta M.	Portland	Williams, Wayman C.	Eugene
Watt, Helen	Portland	Wilmot, Wm. G.	Rufus
Watters, Thomas V.	Eugene	Wilson, Dow	Astoria
Watts, Mrs. Pearl	Montpelier, Ind.	Wilson, Edyth	Salem
Weeks, Mildred K.	Portland	Wilson, Ford E.	Salen
Wegner, Walter	Sutherlin	Wilson, H. Lee	Grants Pass
Weidenheimer, Paul F.	Covallis	Wilson, Katharine	Portland
Weigel, Carlton B.	The Dalles	Wilson, Louise F.	Portland
Weinstein, Archie	Portland	Wilson, Naomi	Medford
Weiss, Marion	Portland	Wilson, Vallen A.	Medford
Welch, R. Daniel	Kelso, Wn.	Wines, Howard S.	Eugene
Weller, Mabel	Eugene	Wing, James O.	Stockton, Cal.
Wellington, Lester E.	St. Helens	Winnard, Norton G.	Eugene
Wells, Gordon	Eugene	Winter, Inga	Portland
Wells, Grace Marjorie	Hillsboro	Wise, Leslie V.	Vancouver, Wn.
West, Janet H.	Portland	Wissinger, Dorothy	Milwaukie
West, LeLaine	Portland	Woertendyke, Albert H.	Portland
Westfield, Horace D.	McMinnville	Woff, George M.	Portland
Westerman, Harry	Portland	Woff, Ruth	Portland
Westwood, Martha	Baker	Wood, Henry Borden	Woodland, Cal.
Wetherbee, Beatrice I.	Eugene	Wood, Vera	Klamath Falls
Wheeler, Gretchen	Eugene	Woodings, Floyd T.	Washougal, Wn.
Wheeler, Pauline	Eugene	Woodruff, Rollin W.	Portland
Wheeler, Mrs. Ruth D.	Eugene	Woodworth, John Lawrence	Pendleton
Wheelhouse, Clara	Arlington	Woods, Dan L.	Portland
Wherity, Alice E.	Astoria	Woolfolk, Marvin B.	Oswego
Whisler, Lenitha M.	Garfield, Wn.	Wootton, Dorothy	Astoria
Whisler, Vivian G.	Garfield, Wn.	Wright, Beulah	Portland
Whitaker, Helen	Myrtle Point	Wright, Gladys	Hood River
Whitaker, James E.	Myrtle Point	Wright, Madonna	Norbonne, Mo.
White, Eloise H.	Portland	Wyatt, Thomas D.	Baker
White, Herald W.	Cottage Grove	Wynd, Harold	Eugene
Whitehouse, Elizabeth	Forest Grove	Yamashita, Rex	Medford
Whitfield, Irene	Portland	Yergen, Bruce	Hubbard
Whitmore, Jet	Enterprise	Yoran, Beatrice	Eugene
Whitmore, Naomi E.	Enterprise	Yoran, Clara	Eugene
Whitney, Mildred	Portland	Youel, John Kenneth	Silverton
Whitten, Gertrude	Eugene	Young, Glover E.	Eugene
Whitten, Merritt B.	Portland	Young, Grace	The Dalles
Whitton, R. Gene	Portland	Young, Hazel	Portland
Wickland, Blanche	Hanmond	Yunker, Wm. J.	Portland
Wicks, Allen E.	North Powder	Zimmerman, Don	Eugene
Wicks, Arthur F.	North Powder	Zimmerman, Elisabeth	Eugene
Weist, Sard W.	Portland	Zimmerman, Eunice	Bloomington, Ill.
Wieder, Isadore	Portland	Zimmerman, Isabel F.	Eugene
Wilhelm, Adam	Monroe	Zimmerman, Isobel F.	Portland
Wilkinson, Donald	The Dalles	Zumwalt, Chester E.	Newberg
Willett, Carl L.	Olympia, Wn.		
Williams, Basil	Eugene		

## SCHOOL OF MUSIC

Name	Home Address	Name	Home Address
Abel, Mrs. John W.	Myrtle Point	Devereaux, Hoyt	Eugene
Anderson, Aulis	Eugene	Devereaux, Mary	Eugene
Armitage, Ethel	Eugene	De Vore, Cesille	Eugene
Armitage, Mabel	Eugene	Dickey, Dorothy	Eugene
Armstrong, Mac	Eugene	Duerner, Laura	Hillsboro
Ashurst, Ethel	Eugene	Dunn, Mrs.	Eugene
Baker, Kathryn I.	Hood River	Durkheimer, Rita	Eugene
Eaker, Katherine	Hood River	Bakin, Priscilla	Astoria
Barber, Dorothy	Coburg	Edmunson, Margaret	Eugene
Barker, Beatrice	Astoria	Eggleston, Eunice	Joseph
Barnett, Lois	Wasco	Ellerbeck, Ed	Eugene
Bartle, Ruth	Eugene	Ellsworth, Gladys	South Bend, Wn.
Bates, Muriel	Elgin	Elrod, Lucille A.	Portland
Basler, Uldawalla	Grants Pass	Emison, Beatrice	Ennis, Mont.
Baugh, Ruby	Eugene	Emission, Gladys	Ontario
Bell, Helen	Eugene	Engeldinger, Vincent	Hillsboro
Best, Bonita	Eugene	Enslund, Millanna Starbuck	Minn.
Bestingen, Mildred	The Dalles	Erickson, Lela	Monmouth
Blaker, Mildred	Vancouver, Wn.	Esparza, Amelia	Eugene
Kolton, Wilbur	Antelope	Everson, Lois	Creswell
Bowen, Laura	Eugene	Faust, Debert	Eugene
Brattain, Ruth	Springfield	Fayard, Jeanne L.	Eugene
Bromberg, Helen	Portland	Fisher, Raymond W.	Albany
Brown, Yvabelle	Eugene	Fitch, Elinor M.	Eugene
Bryson, Roy	Eugene	Fitch, Mary G.	Eugene
Buck, Eloise	Eugene	Flanders, Mrs. Ida	Ballston
Burgan, June	Richland	Ford, Roy G.	Eugene
Burkett, Esther	Eugene	Forrest, Ethelynde	Eugene
Burnett, Frances	Eugene	Forrest, Evelyn	Eugene
Burns, Raymond H.	Coquille	Poster, Byron K.	Eugene
Calkins, Clara	Klamath Falls	Fox, Hilma	Portland
Calkins, Madge	Eugene	Fraleigh, Beatrice	Eugene
Cameron, Ronald	Hillsdale	French, Patty	Exeter, Cal.
Case, Bertha	Portland	Fromme, Kathren	Athens
Case, Victoria	Portland	Furuset, Florence	Eugene
Cassey, Helen	Roseburg	Gates, Laura	Medford
Chandler, W. Glenn	Canyon City	Gartenbein, Mary Ellen	Portland
Chapman, Bertha	North Bend	Gardinier, Helen	Baker
Chase, Genevieve	Coquille	Garrett, Florence M.	Hillsboro
Cherry, Irene	Garden City, Kansas	Garrett, Harriet	Eugene
Clark, Beatrice	Garden City, Kansas	Garrett, Itha	Grass Valley
Clark, Beulah	Portland	Gaylord, Nell	Tillamook
Coates, William T.	Tillamook	Gilstrap, Marian	Eugene
Coe, Meltrude	Eugene	Gohlke, Alice M.	Portland
Coffman, Milton	Springfield	Goodnough, Elinor	Wallowa
Collins, Audrey	Portland	Graham, Maud V.	Forest Grove
Condit, De Etta	La Grande	Green, Leola	Baker
Conklin, Margaret	Portland	Gregory, Leona	Molalla
Coolidge, Emma	Spokane, Wn.	Gronholm, Helen	Astoria
Copenhaver, Edith	Eugene	Gross, Madia	Eugene
Copenhaver, Marie	Eugene	Gulliford, Mary	Eugene
Crandall, Pearl	Eugene	Gullion, Elizabeth	Eugene
Crandall, Violet B.	Eugene	Hafner, Hulda	Portland
Crockett, Mrs. Peter	Eugene	Hagenbuch, Irene	Eugene
Crosfield, Jeannette	Wasco	Halvorsen, Margaret	Eugene
Dana, Frances Irene	Sheridan, Wyo.	Harding, Katherine	Eugene
Danford, Ruth	Eugene	Hartman, Florence	Eugene
Day, Donald	Eugene	Hathaway, Mrs.	Eugene
Delzell, Marjorie	Klamath Falls	Hawke, Malcom	Forest Grove
Deming, Meryl	Albany	Haxby, Gale	Eugene
Denn, Annabel	Roseburg	Haxby, Irma	Eugene

Name	Home Address	Name	Home Address
Healy, Arbelyn	Baker	Medler, Audrey	Wasco
Hendershott, Mrs. Arthur	Eugene	Meissner, Lorna	Portland
Hendershott, Herman	Eugene	Miller, Florence	Eugene
Hinkle, Frances	Hermiston	Miller, Hugh	Eugene
Hogan, Jeanette	Aberdeen, Wn.	Miller, J. M.	Eugene
Holloway, Frances	Eugene	Mitchell, Jean A.	Portland
Holman, Marjorie	Dallas	Monroe, Inez	Eugene
Houghton, Grace	Eugene	Monroe, Zeida	Eugene
Houston, Vera	Klamath Falls	Montague, Caroline	Portland
Howard, Randolph	Portland	Montgomery, Ruth	Eugene
Hudson, Harriet	Forman, N. Dak.	Morris, Beatrice	Eugene
Hudson, Ada	Eugene	Morris, True	Eugene
Hurn, Mrs. R. E.	Eugene	Morrison, Vernita	Springfield
Husband, Victor P.	Eugene	Morrow, Glenn	Eugene
Hutton, Lucille	Portland	Muir, Lois	Portland
Hyland, Frances	Eugene	Mumby, Mildred	Olympia, Wn.
Hyland, Mrs. M. M.	Eugene	Murphy, Jane	Pendleton
Inman, Maud	Eugene	Murphy, Mabel	Coburg
Jackson, Wayne C.	Molalla	Murphy, Clarence	Goshen
Johnson, Donald	Eugene	Nelson, Margaret	Portland
Johnson, Ralph	The Dalles	Nelson, Nichols, Ila R.	Hood River
Jope, Clifford	Colfax, Wn.	Nichols, Mrs. Helen	Portland
Judkins, Doris	Eugene	Nygren, Nellie	Albany
Jue, Frank	Portland	Obenchain, Marie	Bly
Kays, Willis	Eugene	O'Brien, Tess	Eugene
Keagy, Beulah M.	Portland	O'Farrell, Anastasia	Eugene
Keeney, Virginia	Eugene	Olson, Mette	Eugene
Keizer, Lola	Eugene	Osborne, Raymond E.	Eugene
Kelso, Florence	Eugene	Packard, Florence	Portland
Kennedy, Pansey	Eugene	Packer, Lois	Eugene
Kern, Margaret	Portland	Parker, Rachel	Eugene
Kessey, Dwight	Springfield	Parsons, Verna	Eugene
Key, Lucilla	Perrydale	Perkins, Georgina	Gardiner
Korn, Alfons	Eugene	Perry, Doris	Harrisburg
Krogh, Bina M.	Portland	Perry, Ieland	Harrisburg
Kuykendall, Helen	Eugene	Perry, Maxine	Harrisburg
La Follette, Mayme	Tillamook	Peterson, Curtiss A.	Eugene
Lamb, La Verne	Goshen	Peterson, Shailer	Eugene
Lambert, Winona A.	Boise, Idaho	Pfost, Lancelita	Pendleton
Lampshire, Gwendolyn	Portland	Phelps, Margaret	Eugene
Lane, Gladys	Eugene	Pierce, Francis	Eugene
Lange, Mabel	Heppner	Poll, Dorothy	Eugene
Largent, Maude	Creswell	Poston, Kathryn I.	La Grande
Laughlin, Lydia D.	Mitchell	Poston, Ralph E.	La Grande
Lawrence, Marian	Portland	Potter, Alberta	Eugene
Leonard, Annette	Burns	Potter, Aurora	Eugene
Letcher, Imogene	Portland	Potter, Grace	Eugene
Lewis, Constance	Eugene	Power, Jessie	Eugene
Lorenze, Crescent	Tacoma	Prossal, Thomas L.	Seio
Lynn, Nina	Eugene	Prosser, Edwina	Eugene
McAlister, Mildred	Eugene	Purdy, Josephina	Eugene
McArthur, Isabel	Baker	Frytz, Pearl M.	Reedsport
McArthur, Ransom	Baker	Rand, Laura	Portland
McCleary, Sylvie E.	Baker	Rasor, Lulu	Eugene
McDole, Eitel	Willows, Cal.	Reed, A. A.	Eugene
McGillivray, Florence	Eugene	Rice, Martha	Boise
McIntyre, Hazel	Eugene	Rice, Edna I.	Portland
McIntyre, Ruth	Eugene	Rice, Eva	Roseburg
McMurphy, Adah	Eugene	Richard, Oran	Junction City
MacMaster, Marian	Eugene	Kidines, Rita	Eugene
Maguire, Jennie F.	Portland	Rife, Edna M.	Meridan, Idaho
Marsters, Leona	Roseburg	Roberts, Mrs. A. E.	Eugene
Medler, Aileen	Wasco	Roberts, Gayle	Astoria

Name	Home Address	Name	Home Address
Rogers, Belle	Monmouth	Stannard, George	Eugene
Rogers, Gertrude	Monmouth	Stearns, George M.	Prineville
Ross, Mary	Eugene	Stewart, Charlotte	Springfield
Ross, James H.	Toledo	Stein, Mrs. A.	Cottage Grove
Ross, Velma	Marshfield	Stockton, Miriam E.	Eugene
Royer, Leah	Eugene	Stoll, Winifred	Hillsboro
Ruble, Webster	Eugene	Stratton, Rex	Eugene
Ruedy, Vern E.	Portland	Tapp, Robert G.	Ashland
Rugh, Irene J.	Eugene	Taylor, Josephine	Ridgefield, Wn.
Sarborn, Ruth	Eugene	Templeton, Rhetta	Eugene
Satchwell, W. E.	Yoncalla	Ten Brook, Nellie	Eugene
Sawyer, Edmund	Eugene	Tennessee, Florence	Astoria
Scarbrough, Dorothy	Eugene	Teschner, Lora	Portland
Scarbrough, Lewis	Eugene	Thacher, Lora	Eugene
Schaefer, George	Eugene	Thacher, Elizabeth	Eugene
Schenck, Evelyn	Eugene	Tingle, Margaret	Eugene
Schilke, Frederika	La Grande	Tinker, Martha	Eugene
Schmidt, Carmen	Oregon City	Tolle, Gertrude E.	Eugene
Schnabel, Charles H.	Portland	Trafzer, Weltha	Merrill
Scott, Ruth	Springfield	Travis, Emma	Eugene
Seitz, Gilford	Springfield	Travis, Frederica	Springfield
Selig, Maurice N.	Falls City	Travis, Gould	Eugene
Sengstaken, Doris	Marshfield	Van Tassel, Harriet E.	Eugene
Shaver, Vera	Portland	Vaughn, Frances	Albany
Shell, Besse G.	Wallowa	Walker, Cecelia	Eugene
Sherman, Harry W.	Dayton	Watkins, Ina	Eugene
Sherrick, Mildred	Eugene	Watkins, Lucile	Eugene
Shim, Richard	Ashland	Watt, Helen	Portland
Shipp, Blanche	Prineville	Wissinger, Dorothy	Milwaukie
Sinott, Mildred	Prineville	Welch, R. Daniel	Kelso, Wn.
Signor, George	Springfield	Wells, Grace Marjorie	Hillsboro
Skeels, Marvel	Coguille	Whisler, Vivian G.	Garfield, Wn.
Sliffe, Edith M.	John Day	Whitmore, Naomi	Joseph
Smithe, Hermione	Eugene	Wickland, Blanche	Hammond
Smith, Mabel	Ashland	Williams, Mrs. Ben H.	Eugene
Smith, Marjorie	Eugene	Weiss, Blanche	Eugene
Spaeth, Emily E.	Portland	Wilson, Edyth	Astoria
Spencer, Florence	Eugene	Wilson, Naomi	Medford
Spencer, Geraldine	Eugene	Winnard, Charlotte	Eugene
Standard, Alta	Eugene	Winslow, Catherine	Eugene

## SUMMER SCHOOL 1919

## GRADUATE STUDENTS

Andrews, Roy C.	Eugene	Dunn, Claire	Eugene
Asheratt, N. E.	Myrtle Point	Farris, Jessie	Eugene
Batts, Etha	Pullman, Wn.	Fletcher, Mrs. E. L.	Eugene
Beebe, June	Eugene	Fridley, Nettie	Eugene
Beebe, Edith	Eugene	Green, Ruth E.	Klondike
Bell, Joseph C.	Portland	Hall, Mrs. Lila	Creswell
Blankenbuecher, L.	Portland	Hedrick, E. H.	Eugene
Blais, Clara M.	Eugene	Heist, Lulu	Drain
Briggs, Florah	Forest Grove	Henry, Donna	Salem
Brenton, Helen	Eugene	Hough, Rita C.	Eugene
Brown, Frances	Salem	Howard, Alvina	Eugene
Cash, Alvin Burlleigh	Hood River	Howard, C. A.	Portland
Castle, Chandos R.	Merced, Cal.	Howells, Katherine	Eugene
Chambers, Elliott P.	Pasadena, Cal.	Husband, Evangeline	Eugene
Chase, Ruth T.	Albany	Keazel, E. L.	Philomath
Dillard, Walter	Eugene	Kippatrick, E. E.	Philomath
Collins, J. H.	Independence	Knight, F. S.	Tangent
Down, Robert H.	Lebanon	Laird, Freda	Creswell

Name	Home Address	Name	Home Address
Leonard, Daisy	Redmond	Stansberry, Edyth B.	Osecola, Neb.
Lucas, L. S.	Portland	Stanbrough, A. C.	Newburg
Moore, Helen	Eugene	Stone, Ruth M.	Portland
Moore, Kenneth	Salem	Tavener, R. W.	Independence
Morris, Victor	Eugene	Taylor, Jane E.	Everett, Wn.
Marks, Mildred	Roseburg	Thorsett, Henry	South Bend, Wn.
Pattee, Mrs. Edith Baker	Eugene	Tiffany, Grace	Eugene
Patterson, Chalmer N.	Eugene	Todd, Vera	Eugene
Perisho, F. W.	Newberg	Turnbull, L. W.	Bandor
Riddle, Sarah	La Grande	Vaughan, Mrs. Annette	Eugene
Robinson, C. C.	Wilderville	Watkins, Muriel	Eugene
Rogers, Annie Laurie	Virginia, Va.	Wells, Wayne	Eugene
Ross, Laura	Salem	Whittlesey, C. T.	Philomath
Roth, F. M.	Springfield	Wiles, Frances	Eugene
Spencer, Nettie	Eugene	Winther, Sophus K.	Eugene
Spulak, Emily	Canby	Woodcock, Gertrude	Seattle, Wn.

## UNDERGRADUATES

Adams, Frankie	Maddox, Cal.	Crockett, Ernest L.	Spokane, Wn.
Almack, James L.	Eugene	Dickerson, R. Ella	Eugene
Anderson, LeRoy P.	Portland	Dillard, Elta	Roseburg
Arehart, Claud A.	Roseburg	Dotson, Vala	Eugene
Ashurst, Mrs. Mary	Eugene	Douglass, Irene	Willows
Ashley, Lucy	Sandpoint, Idaho	Drinker, Franz B.	Portland
Baker, James H.	Oakland	Driscoll, Agnes	Klamath Falls
Bailey, Walter	Springfield	Eaton, Pearl M.	Eugene
Baker, N. A.	Springfield	Ellis, B. F.	Dallas
Barendrick, Erwin H.	Portland	Ellsworth, M. Harris	Cascade Locks
Barnes, Maud P.	Grants Pass	Engelhart, Marjorie	Portland
Bartle, Ruth	Eugene	English, C. E.	Sumpter
Bater, Muriel	Elgin	Evans, Bessie	Eugene
Beard, Harold	Falls City	Evans, David	Hampton, Ia.
Beekman, Eva M.	Portland	Fagan, F. E.	Moro
Bennett, Charles A.	Portland	Farris, Wayne	Eugene
Bent, James A.	Portland	Farnsworth, H.	Prineville
Bidwell, Anna	Springfield	Fassett, Frank M.	Eugene
Bond, Pauline	Portland	Finnerty, George E.	Eugene
Bowen, Mrs. Louise	Monroe	Fish, Andrew	Eugene
Brookhardt, H. B.	McMinnville	Fitzgerald, Joan	Marshfield
Brown, J. Paul	Salem	Flanagan, Bessie	Marshfield
Burdick, Alma M.	Portland	Flanagan, Mrs. J. A.	Eugene
Buell, Lavilla	Falls City	Foskett, Harold S.	Los Angeles, Cal.
Ryerly, Vesta	Eastside	Foster, Herbert J.	Portland
Cady, Clarence E.	Eugene	Frale, Beatrice	Eugene
Calkins, Madge	Eugene	Frasier, Brownell	Eugene
Calbreth, Hazel	Eugene	Freeman, Hazel	Talbot
Callahan, Robert F.	Eugene	Garrett, Harriett	Eugene
Campbell, Flora G.	Eugene	Gettings, Eleanor	Eugene
Cartnell, Geraldine	Portland	Gibson, Effie G.	Long Beach, Cal.
Case, Helen M.	Tillamook	Gilmore, Grace G.	Junction City
Chenoweth, Iris M.	Woodburn	Gilmore, Ruth M.	Junction City
Childers, J. M.	Milton	Godshall, Pearl	Dunbar, Wis.
Childers, Mrs. J. M.	Milton	Godward, G. W.	Jacksonville
Christensen, Peter E.	Eugene	Grandy, Lewis S.	Springfield
Cockeline, Kenneth	Eugene	Gray, Gertrude	Portland
Coombs, Nellie	Eugene	Gustin, H. W.	Eugene
Copeland, Herbert W.	Maupin	Hall, Helen E.	Eugene
Cox, Mrs. Mary E.	Eugene	Hall, Mrs. Lolo	Lakeview
Copenhaver, Lacy B.	Eugene	Hall, Pearl	Myrtle Creek
Copenhaver, M. Lucille	Eugene	Hamilton, Merle	Roseburg
Copenhaver, Myrtle	Eugene	Hamilton, R. S. J.	Sutherlin
Cress, Ada L.	Portland	Harrington, Ada M.	Eugene

Name	Home Address	Name	Home Address
Harrington, George P.	Eugene	Olson, Ohanna	Toledo
Hatfield, Estella	Troutdale	Patterson, William W.	Eugene
Haynes, Boyd W.	Rosalie, Wn.	Payne, May	Mitchell
Hays, Bertha	Eugene	Pearson, Lillian	Eugene
Hays, O. W.	Eugene	Peterson, Curtiss A.	Eugene
Hembree, Itha	Eugene	Plank, Mrs. Nora J.	Eugene
Hickethier, Mamie	Drain	Pratt, Clara M.	Aumsville
Hill, Dorothy	Eugene	Radley, Blanche	Bandon
Holzman, Ralph	Portland	Rankin, Hazel	Medford
Hopkins, George P.	Claremont, Cal.	Rea, Mrs. Ella M.	Bandon
Hughes, May	Portland	Rebec, William	Eugene
Hulin, Wilbur	Eugene	Ridings, Marie	Eugene
Imel J. G.	Grants Pass	Riley, Grace	Newberg
Israel, Robert	Milwaukie	Robinson, Violet	Eugene
Jackson, Mildred	Corvallis	Rosen, Ernest A.	Portland
Jacobs, Crystal	Eugene	Ruch, Geraldine	Eugene
Jacoby, G. E.	Pleasant Hill	Rugh, Irene J.	Eugene
James, Mrs. Laurie Wilson	Robinetto	Ryan, Clare	Eugene
James, Howard M.	Enterprise	Sandefur, Margaret	Abilene, Texas
Johns, Flint N.	Athens	Schmidt, Carmen	Oregon City
Kanoff, Mrs. Elizabeth	Deschutes	Schubel, Roberta	Oregon City
Keency, Mrs. Delia	Eugene	Scroggs, Hattie M.	Colville, Wn.
Keiner, Miss L.	Condon	Sheridan, Mrs. M. A.	Springfield
Kelley, Mrs. Ellen E.	Eugene	Shirley, George F.	McMinnville
Kendall, Evangeline	Jamieson	Skidmore, William R.	Curtin
Kenyon, Beulah L.	McMinnville	Smith, Aubrey G.	Roseburg
Kerl, Caroline	Eugene	Smith, Thora	Medford
Kinnard, Lottie	Hood River	Smeed, Marie	Halsey
Kinsley, Cella M.	Condon	Snook, Grace A.	Oregon City
Kirk, Florene	Junction City	Sorenson, Nena M.	Arcadia, Neb.
Kneen, Nina T.	Pullman, Wn.	Spencer, Bernice	Eugene
Knight, Mrs. F. S.	Tangent	Spencer, Peter L.	Ashland
La Rue, Pearl E.	Tipton, Ia.	Standifer, James K.	Eugene
Lehman, Mrs. L.	Eugene	Stanton, Lucille	Portland
McLeod, Beatrice	Douglas, Alaska	Stein, Charles F.	Eugene
McMurphy, Adah	Eugene	Stein, Mrs. Charlotte H.	Eugene
Mabrey, H. M.	Oakland, Cal.	Stewart, Irene M.	Eugene
MacMorris, Maud	Molalla	Strachan, Lexie	Dufur
Macy, Glen	McMinnville	Strachan, Jean	Dufur
Mann, Mrs. Grace R.	Eugene	Sweeney, Ruth	Kelso, Wn.
Martin, Richard H.	Portland	Taylor, F. D.	Eugene
Martin, Sarah	Forest Grove	Taylor, J. D.	Eugene
Mattley, Maud	Oregon City	Taylor, Lily	Eugene
Maxham, Mrs. Helen Kerr	Eugene	Thener, Fred H.	Salem
Mayfield, Stella	Elgin	Treadgold, Gladys E.	Bandon
Mettie, Mossie	Ukiah	Van Wermer, C. L.	Yamhill
Miller, Charles W.	Medford	Wade, Frances T.	Eugene
Miller, Dorothy A.	Medford	Walker, Maxine	Portland
Miller, John M.	Warren	Wallace, Lunah W.	Eugene
Miller, Kerby S.	Medford	Ward, Frances	Astoria
Milne, Ralph F.	Bend	Ward, Ethel	Saginaw, Mich.
Mishler, W. J.	Woodburn	Ware, Lillah	Stayton
Mitchell, Lydia A.	Crow	Watts, Mrs. Pearl	Montpelier, Ind.
Mitchell, Zetta	Eugene	Weil, Solomon N.	Portland
Moehl, Mrs. Maud M.	Woodburn	Weller, Mabel	Eugene
Moore, Mary	Eugene	Wells, Fern	Salem
Morgan, Morris H.	Portland	Whitaker, Helen	Myrtle Point
Mulkey, C. E.	Coquille	White, Alice	Portland
Mulkey, Mrs. C. E.	Coquille	Wilcox, Edith	Roseburg
Mutton, Mrs. Ellen M.	Eugene	Wright, Madonna	Eugene
Newman, Lola	Beavertor.	Yoran, Beatrice	Eugene
O'Day, Marcus	Eugene	Young, Grace	Ontario, Cal.

## PORTLAND SUMMER SCHOOL

Name	Home Address	Name	Home Address
Abercrombie, Harriet	Portland	Drake, Margaret	Portland
Addison, Mrs. Juliet	Portland	Drake, Mrs. May	Portland
Alexander, Maud	Portland	Dubois, Margaret	Portland
Allen, Ruth	Vancouver, Wa.	Dunlap, Ione	Portland
Alphin, Willard	Portland	Dunlap, Mildred C.	Portland
Anderson, Anna H.	Portland	Eaton, Laura G.	Portland
Anderson, D. O.	Portland	Emm, Ninetta R.	Portland
Angell, Meda	Portland	Erierson, Paul	Portland
Anker, Mrs. Jessie	Beaverton	Eshensen, Anna	Portland
Aurua, Sumiyoshi	Portland	Failing, Jessie	Portland
Austin, Bell	Kansas City, Mo.	Felker, Maybelle	Portland
Averill, H. H.	Portland	Findley, Helen G.	Portland
Bagley, Elva Anne	Portland	Fisher, Pan Gorman	Twin Falls, Idaho
Baisley, Emma	Portland	Foster, Herbert	Portland
Baker, Iney A.	Forest Grove	Foster, Mrs. Winnie S.	Portland
Baker, L. L.	Portland	Fowler, Myrtice	Portland
Ballin, Charlotte	Portland	Funk, Mrs. Emory	Portland
Bell, Laura J.	Rickreall	Galgreath, Edna	Portland
Berg, Ida H.	Portland	Galgreath, Martha	Tualatin
Berry, Mrs. Ellen S.	Arlington	Gardner, Bertha Anna	Portland
Bishop, Gynn	Portland	Garhart, Mrs. Evelyn	Portland
Black, Mabel	Portland	Goodale, Mrs. Nettie J.	Portland
Blegg, Hedwig	Hillsdale	Gorman, Mrs. J. E.	Portland
Borgman, Rosalie	Portland	Grant, Henry M.	Portland
Botts, Mrs. Martha E.	Portland	Griffith, Blanche	Portland
Pouchet, Eugenia	Portland	Gross, Mrs. M.	Portland
Boyersmith, Katherine	Hillsdale	Guernsey, Irene	Portland
Boyle, Gladys	Portland	Guyer, H. M.	Portland
Brown, Mrs. Cora May	Bickleton, Wn.	Halley, Etta M.	Willamette
Brown, Sada V.	Portland	Hamilton, Zelda	Portland
Burch, Madaline	Genoa, Nevada	Hammond, Delpha	Portland
Burklund, Alfred	Portland	Hargreaves, Gertrude	Clackamas
Burns, A. E.	Portland	Harrison, Ivy Myrtle	Portland
Burt, Dr. C. W.	Portland	Hatch, Helen	Seattle, Wn.
Bushnell, Flora	Portland	Haugen, Oscar S.	Portland
Byrd, Mabel	Portland	Herner, Eugene	Portland
Calder, Mrs. A. B.	Portland	Hill, Mary E.	Portland
Cameron, Edna	Hillsdale	Hillman, Paul	Portland
Chaffee, Edith	Wellsboro, Penn.	Hirsch, Ellen	Portland
Chattin, Susan C.	Portland	Hoffman, Mrs. Ethel C.	Portland
Clinton, N. Dorothea	Portland	Holmes, Ada Belle	Portland
Clinton, Eleanor M.	Portland	Holmes, Augusta	Portland
Clouse, Elaine	Portland	Holt, Mrs. Christena	Portland
Clouse, Eloise	Portland	Holzman, Jacob	Portland
Coldwell, Helen	Portland	Holzman, Ralph	Portland
Coleman, Mrs. Margaret S.	Portland	Holzman, Sylvia	Portland
Colpette, Olive	Portland	Hopkirk, Howard W.	Portland
Costello, Edith	Portland	Horwege, Anna	Portland
Cox, Esther	Portland	Hovey, Franklin G.	Portland
Cunningham, Carlyle A.	Portland	Howard, Randall R.	Portland
Curry, C. E.	Portland	Howerton, Edythe	Portland
Curry, Mrs. Charles E.	Portland	Hughes, Alice	Portland
Danforth, Mrs. Dora	Portland	Inman, Alta	Portland
Dantoff, I.	Portland	Ireland, Clara	Independence
Daubenspeck, Martha	Portland	Irlc, K. W.	Portland
Davis, Mrs. Cora	Portland	Irwin, Jessie B.	Woodburn
Desmond, Helen	Portland	Johns, Mary	Pendleton
Dimick, Mrs. Walter	Portland	Johnson, Ellen	Portland
Dixon, Ruth	Bly	Johnson, Johannah	Portland
Downe, Alice C.	Portland	Kaye, Esther	Portland



Name	Home Address	Name	Home Address
Keck, Gladys	Portland	Reynolds, Irene H.	Portland
Keller, John A.	Portland	Richards, Ruth	Portland
Kerr, Katherine H.	Portland	Rinehart, Vladimir	Portland
Kettenbach, Mrs. William	Portland	Robertson, Bertina	Portland
Kiger, Georgia M.	Portland	Robertson, Mrs. Gertrude	Portland
Kilgore, Charles	Portland	Ronde, Kate	Portland
Kilham, Eleanor	Portland	Rosen, Ernest A.	Portland
Kinsell, Mrs. T.	Portland	Russ, Helen M.	Portland
Krause, Ella	Sandpoint, Idaho	Rothwell, Arnold S.	Portland
Langenberg, Mrs. Marion	Portland	Rusco, Mrs. Bessie	Portland
Lewis, Helen	Portland	Salmon, Herbert	Portland
Lilly, Grace	Portland	Sandquist, Hannah	Portland
Loewenberg, Ida	Portland	Sands, Elliott R.	Portland
McCulloch, Esther M.	Portland	Schmid, Frank H.	Portland
McDonald, Mrs. Jessie	Portland	Schreiber, William	Portland
McFadden, Katherine	Centralia, Wn.	Schulz, Ellen	Hillsdale
McGowan, Ella	Portland	Schwankovsky, Theodore	Hillsdale
McKinley, Margaret	Portland	Schwarztrauber, E. E.	Council Crest
McKnight, Edna C.	Portland	Selling, Mabel Thelma	Portland
McLean, Arthur J.	Portland	Sether, Victor C.	Glendale
Mace, Doris	Portland	Shirley, Arthur E.	Portland
Marshall, Lena C.	Portland	Simmons, Edna	Portland
Mathiot, Mrs. C. E.	Portland	Sister Anna Frances	Portland
Merrill, Esther	Portland	Sister Constance of Carmel	Portland
Miller, Esther Jean	McMinnville	Sister Margaret O'Brien	Portland
Mitchell, Marian	Portland	Sister Mary Angel of Carmel	Portland
Monroe, Margaret	Portland	Sister Mary Antonella	Portland
Montague, Margaret	Portland	Sister Mary Antonia	Portland
Moorad, Mrs. Elizabeth	Portland	Sister Mary Agusta	Portland
Moreland, Mildred	Portland	Sister M. Aquinas Gibson	Portland
Morrison, Robert O.	Portland	Sister M. Aquista	Portland
Motschenbacher, Mrs. Marguerite	Portland	Sister Mary Edina	Portland
Muma, Golde E.	Beaverton	Sister Mary Emerita	Portland
Murray, Helen	Portland	Sister Mary Hyacintha	Oswego
Nelson, Anna	Portland	Sister May G. Juenemann	Portland
Nelson, Esther Mary	Portland	Sister Mary Marcollesa	Spokane, Wn.
Nemerovsky, Lena	Portland	Sister Mary Mathew	Portland
Nengebauer, Catherine	Hillsdale	Sister Mary Norberta	Portland
Nilson, Elsa	Portland	Sister Mary Perpetua	Portland
Nissirios, Philip G.	Portland	Sister Mary Rosina	Portland
Nottingham, Margaret	Portland	Sister Mary Rosiritta	Portland
Nystrom, Ruth	Portland	Sister Mary Merwina	Portland
Oleson, Olive	Hillsdale	Sister Mary Terensina	Portland
Oliver, E.	Portland	Sister Mary Amatus	Portland
Ormandy, James	Portland	Sister Mary Eulalia	Portland
Packwood, Mrs. Eva	Roslyn, Wn.	Sister Miriam Anna	Salem
Patterson, Charlotte	Portland	Sister Miriam of Jesus	Portland
Pearson, Joe	Portland	Smith, Mrs. Agnita J.	Portland
Pensecke, Caroline	Portland	Smith, Bessie R.	Portland
Pettingell, George P.	Portland	Smith, Mrs. Edith G.	Portland
Phillips, Mabelle	Portland	Smith, Mrs. P. F.	Rexburg, Idaho
Potner, Ottilie	Portland	Smith, Stevenson	Portland
Pratt, E. Barclay	Oregon City	Sommer, Elsie	Portland
Preston, Louisa B.	Portland	Sommer, Flora	Portland
Lynn, Carlton P.	Portland	Stillman, Anna W.	Portland
Quisenberry, Addie	Portland	Steneman, Althea	Portland
Quigley, Katherine	Portland	Stout, Imogen	Portland
Quint, Alice C.	Portland	Strausen, Helen	Portland
Ralston, William	Portland	Tate, Mrs. Robert H.	Portland
Ramner, Mary E.	Peoria, Ill.	Taylor, M. B.	Portland
Rand, Elizabeth	Portland	Thompson, Genevieve	Portland
Reeves, Grace	Portland		

Name	Home Address	Name	Home Address
Tobias, Kathryn	Portland	Williams, Mrs. Mabel	Grundy Center, Iowa
Tracy, Mrs. Mary E.	Portland	Wilson, Adelaide A.	Milwaukie
Trevett, Millie	Portland	Wilson, Eddith	Portland
Turner, Alcee	Portland	Wilson, Ella Ehmson	Portland
Turner, Greta	Portland	Wilson, Elsa	Portland
Walker, Vivia	Portland	Wilson, Ethel	Portland
Wallace, Sadie E.	Portland	Wilson, Forest T.	Portland
Ward, Ethel	Portland	Wilson, Mary	Portland
Watt, George	Portland	Windel, M. E.	Portland
Watts, Mrs. R. E.	Portland	Winkler, Rose	Portland
West, Mrs. Emma H.	Portland	Winter, Inga	Portland
White, Clyde E.	Portland	Yoshioka K.	Portland
Wicklund, Adeline R.	Portland	Young, Mrs. R. C.	Portland
Willer, Roza	Portland		

## SCHOOL OF MEDICINE 1919 1920

## FOURTH YEAR STUDENTS

Carlson, Elmer C.	Portland	Kresse, Walter, A.F.	Hood River
Reed College, 1918-1918		University of Oregon, 1914-1915	
Dyott, Gavin C.	Portland	Santos, Sancho P.	Philippine Islands
University of Oregon, 1912-1916		University of The Philippines	
Foskett, Herbert H.	McMinnville	Staub, Raymond R.	Portland
McMinnville College, 1913-1915		University of Oregon, 1914-1916	
Gosnell, John Henry	Seattle, Wn.	Schuster, Earl J., B.S.	Albany
University of Washington, 1913-1916		Oregon Agricultural College, 1916	
Hunt, Irene M.	Portland	Tanaka, Benjamin M.	Tacoma, Wn.
University of Oregon, 1913-1915		University of North Dakota, 1916-1918	
Irvine, Harry S., A.B.	Portland	Yount, Glen M., Ph. C.	Wilbur, Wn.
Willamette University, 1915		University of Washington, 1911-1916	

## THIRD YEAR STUDENTS

Acosta, Juan	Portland	Jones, Lester T.	Forest Grove
University of The Philippines		Pacific University, 1914-1917	
University of Tokyo		Mumby, Anna Carolyn	Olympia, Wn.
Ahrens, Helen I.	Seattle, Wn.	Whitman College, 1915-1917	
University of Washington, 1913-1917		Oregon Agricultural College, 1909-1913	
Bird, Archie E.	Vancouver, Wn.	Peacock, Alfred Bertram	Portland
University of Oregon, 1915-1917		University of Oregon, 1914-1916	
Campbell, Frank H., B.A.	Dallas	Peery, Harold M.	Springfield
University of Oregon, 1917		Oregon Agricultural College, 1916-1917	
Farrior, Jesse B.	Portland	Rush, Homer P.	Portland
Peabody College, Tennessee, 1884-1886		University of Nebraska, 1914-1917	
Fox, Irvin R.	Portland	Stanard, Delbert C., B.A.	Portland
University of Oregon, 1916-1917		University of Oregon, 1914	
Hausler, Raymond W.	Portland	Steeves, Laban Aaron, B.A.	Salem
University of Iowa, 1914-1915		Willamette University, 1917	
Holman, Albert W.	Oswego	Vandervert, George V., B.A.	Bend
University of Oregon, 1915-1917		Willamette University, 1914	
Johnston, Alfred H.	Portland		
University of Oregon, 1917-1918			

## SECOND YEAR STUDENTS

Name	Home Address	Name	Home Address
Banks, Emmeline Frances	Portland McMinnville College, 1916-1918	Montgomery, Richard Gill, A.B.	Portland University of California, 1919
Belknap, Wilford Hall	Prineville University of Washington, 1916-1918	Morrison, Albert T.	Portland University of Oregon, 1916-1917
Coffey, Jay Russell, B.S.	Portland Oregon Agricultural College, 1916	Newcastle, Charles C., Jr., B.S.	Portland University of Oregon, 1917
Ferguson, Charles, A.B.	Parma, Idaho College of Idaho, 1919	Osgood, Edwin E.	Puyallup, Wn. McMinnville College, 1916-1918
Galloway, Zilpha V., B.S.	Salem University of Oregon, 1918	Padden, Edmund H.	Crosswell University of Oregon, 1916-1917
Manville, Ira A., A.B.	Eugene University of Oregon, 1913	Thienes, Clinton H., A.B.	Eugene University of Oregon, 1918
McBride, Mildred, A.B.	Salem Willamette University, 1915	Torrey, Harry Beal, B.S.	Portland University of California, 1896
Miller, Walter Herman, A.B.	Portland Reed College, 1918	Wills, Olin J., A.B.	Portland Reed College, 1917
Montague, John Richard, A.B.	Portland University of Oregon, 1918	Young, Grace, B.S.	Ontario, Cal. University of Oregon, 1919

## FIRST YEAR STUDENTS

Alcantara, Pedro	Portland University of Redlands, California, 1916-1918 University of Oregon, 1918-1919	Edkins, Harry H.	Portland University of Minnesota, 1908-1910 Oregon Agricultural College, 1911- 1912
Askey, John Martin	Tacoma, Wn. College of Puget Sound, 1917-1918 University of Oregon, 1918-1919	Emmons, Carl W.	Salem University of Washington, 1914-1917
Backstrand, Jerald Samuel	Portland University of Oregon, 1916-1919	Fletcher, E. G.	Eugene University of Oregon, 1915-1919
Ball, Waldo Whitney	Corvallis Oregon Agricultural College, 1914- 1917	Foskett, Harold S.	Eugene McMinnville College, 1914-1917
Bell, Joseph C., B.A.	Rickreall University of Oregon, 1917	Fowler, Frank Edgar	Pendleton University of Oregon, 1916-1919
Bowles, Albert T.	Portland University of Oregon, 1916-1917- 1918-1919	Freeborg, Henry E.	Hilyard, Wn. Whitman College, 1915-1917
Christopher, Harris C., B.A.	Olympia, Wn. Washington State College, 1915	Grondahl, Sigurd, A.B.	Portland Reed College, 1917
Cook, Kenneth	Portland Oregon Agricultural College, 1917- 1919	Haynes, Boyd W.	Spokane, Wn. Washington State College University of Oregon, 1918-1919
Covell, Walter Page	Corvallis Oregon Agricultural College, 1917- 1919	Holcomb, Roger	Portland University of Oregon, 1915-1917
Davis, Quincy	Silverton University of Oregon, 1917-1919	Hough, Rieta Campbell, A.B.	Eugene University of Oregon, 1919
Dodge, Mildred Laura	Portland University of Washington, 1916-1919	Hunter, Warren Clair	Albany Albany College, 1915-1917
Douglas, Vernon Andrews	Portland University of Washington, 1914-1916 University of Michigan, 1917	Hoyt, George S.	Dover, Idaho University of Minnesota, 1915-1917
		Isreal, Robert H.	Fairfield, Iowa Parsons College, 1917-1919
		Parsons, Robert H.	Reed College and University of Oregon, 1919

Name	Home Address	Name	Home Address
Jensen, Leroy Chester	Minneapolis, Minn. University of Minnesota, 1916-1919	Paul, Artie Blair	Portland University of Oregon, 1916-1917, 1919
Johnson, Arthur Holmes	Clatskanie Morningside College, Iowa, 1913-1916 Oxford University, 1919	Pynn, Carlton Paris	Portland University of Washington, 1916-1918
Jory, Elmo C., Ph.G. B.S.	Salem Oregon Agricultural College, 1918	Rebec, William George	Portland University of Oregon, 1914-1916, 1917-1919
Kelleher, John Andrew	Portland University of Oregon, 1916-1919	Riddle, Matthew C., B.A.	Grants Pass Reed College, 1917
Lagus, Ann Mari	Astoria University of Oregon, 1917-1919	Robbins, David	Los Angeles, Cal. Columbia University, 1906-1908
Laraway, Thurston William	Hood River University of Oregon, 1915-1918	Seabrook, Dean Baynard	Portland Leland Stanford University, 1915- 1916
Leonard, Johnson D.	Burns University of Oregon, 1915-1917	University of Oregon, 1916-1917	
Lomax, J. E.	Boise University of Oregon, 1916-1918	Simons, Max	Portland University of Oregon, 1917-1919
Lucas, Leo Sherman, B.A.	Pacific University	Springer, Joseph Vincent	Portland University of Oregon, 1917-1919
McCarthy, Joseph Bernard	Portland University of Oregon, 1913-1914, 1916-1917	Trigilgas, Harold R., B.S.	Ashland University of Oregon, 1919
Margason, Merl Lonner	Portland University of Oregon, 1916-1917	Weil, Solomon Naubaur, B.A.	Los Angeles, Cal. Gonzaga University, 1916
Morgan, Samuel Glenn, B.A.	Forest Grove Pacific University, 1917	Wilson, Joseph Dwight	Rufus University of Oregon, 1914-1917
Nichel, Walter Edwin	Mosier Reed College, 1916-1919	Wilson, Kent Raymond	Portland University of Oregon, 1916-1918
Ogle, Clair L., B.A.	Woodburn University of Oregon, 1916	Woods, Bertrand Odell	Portland University of Oregon, 1916-1918
Osterholm, Alex C., B.S.	Portland McMinnville College, 1919	Woodworth, Marshall Melvin	Albany University of Oregon, 1914-1917
		Wunderlich, Joseph Anthony, A.B.	Cornelius Mt. Angel College, 1919

## SPECIAL STUDENTS

Huckins, William, M.D.	Portland	Quinn, Katheryn Frances	Portland
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Registration for Fall, Winter and Spring terms ..	1785
Summer School Graduates .....	68
Summer School Undergraduates .....	212
Total Summer School Enrollment .....	280
Students on Campus, 1919-20 .....	2065
Summer School (in Portland) .....	270
Medical School (in Portland) .....	104
Extension Classes (in Portland) .....	1112
Total Enrollment (in Portland) .....	1486
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