

THE UNIVERSITY OF
OREGON

EUGENE



OREGON

CATALOGUE, 1922-1923

ANNOUNCEMENTS
1923-1924

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EUGENE

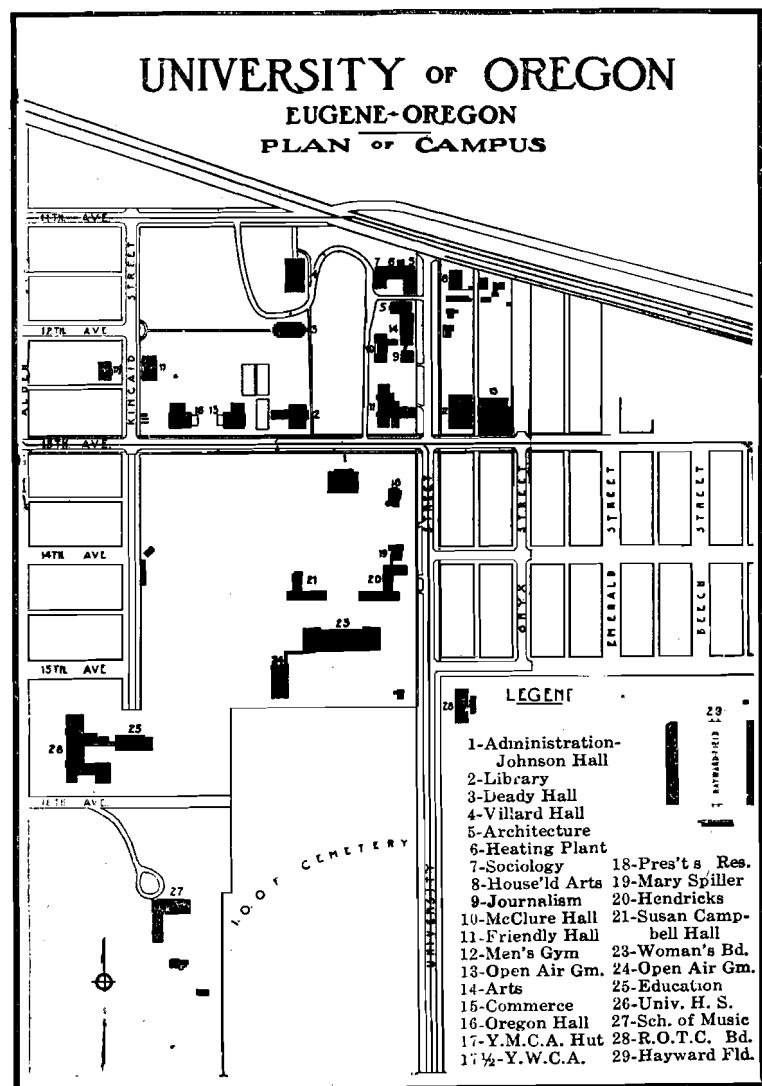


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CALENDAR 1923

JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2	1	2	3	4	5	6	7	5	6	7	8	9	10	11
3	4	5	6	7	8	9	8	9	10	11	12	13	14	12	13	14	15	16	17	18
10	11	12	13	14	15	16	15	16	17	18	19	20	21	19	20	21	22	23	24	25
17	18	19	20	21	22	23	22	23	24	25	26	27	28	26	27	28	29	30	31	
24	25	26	27	28	29	30	29	30	31					26	27	28	29	30	31	

SEPTEMBER							OCTOBER							NOVEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	1	2	3	4	5	6		4	5	6	7	8	9	10
2	3	4	5	6	7	8	7	8	9	10	11	12	13	11	12	13	14	15	16	17
9	10	11	12	13	14	15	14	15	16	17	18	19	20	18	19	20	21	22	23	24
16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24
23	24	25	26	27	28	29	28	29	30	31				25	26	27	28	29	30	

DECEMBER													
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23	24	25	26	27	28	29							
30	31												

CALENDAR 1924

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							1	2	3	4	5	6	7	8
6	7	8	9	10	11	12	3	4	5	6	7	8	9	9	10	11	12	13	14	15
13	14	15	16	17	18	19	10	11	12	13	14	15	16	16	17	18	19	20	21	22
20	21	22	23	24	25	26	17	18	19	20	21	22	23	23	24	25	26	27	28	29
27	28	29	30	31			24	25	26	27	28	29		30	31					

APRIL							MAY							JUNE						
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						1							1	2	3	4	5	6	7	8
6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14
13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21
20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28
27	28	29	30				25	26	27	28	29	30	31	29	30					

JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1							1
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13	14	15	16	17	18	19	10	11	12	13	14	15	16
20	21	22	23	24	25	26	17	18	19	20	21	22	23
27	28	29	30	31			24	25	26	27	28	29	30
							31						

UNIVERSITY CALENDAR, 1923-24

SUMMER SESSION, 1923

June 25, Monday	Portland Center session opens.
June 27, Wednesday	Eugene session opens.
July 4, Wednesday	Independence Day. A holiday.
August 3, Friday	Portland session closes.
August 4, Saturday	Eugene session closes.

FALL TERM

September 25, Tuesday	Freshman English examination. Other entrance examinations.
September 26, Wednesday	Faculty meeting.
September 27, 28, Thursday, Friday	Registration days.
September 29, Saturday	Last day for filing year study programs.
October 1, Monday	University work begins. Late filing fees begin.
October 10, Wednesday	Faculty meeting.
October 12, Friday	Last day for filing graduate cards.
November 7, Wednesday	Faculty meeting.
November 24, 25, Friday, Saturday	Home-Coming week end.
November 29, Thursday to December 1, Sunday	Thanksgiving vacation.
December 5, Wednesday	Faculty meeting.
December 19, 20, 21, Wednesday, Thursday, Friday	Term examinations.
December 22, Saturday, to January 1, Tuesday	Christmas vacation.

WINTER TERM

January 2, Wednesday	University work begins.
January 9, Wednesday	Faculty meeting.
January 11, Friday	Last day in term for filing graduate cards for new students.
February 6, Wednesday	Faculty meeting.
February 22, Friday	Washington's birthday. A holiday.
March 5, Wednesday	Faculty meeting.
March 17, 18, 19, Monday, Tuesday, Wednesday	Term examinations.
March 20, Thursday to March 24, Monday	Spring vacation.

SPRING TERM

March 25, Tuesday	University work begins.
April 4, Friday	Last day for filing graduate cards for new students.
April 9, Wednesday	Faculty meeting.
May 7, Wednesday	Faculty meeting.
May 30, Friday	Memorial Day. A holiday.
June 4, Wednesday	Faculty meeting.
June 11, 12, 13, Wednesday, Thursday, Friday	Term examinations.
June 13, Friday	Flower and Fern procession, 7 p.m. Felling and Beekman orations 8 p.m.
June 14, Saturday	Alumni Day.
June 15, Sunday	Baccalaureate sermon.
June 16, Monday	Commencement.

SUMMER SESSION 1924

June 23, Monday	Summer session opens, Portland and Eugene.
July 4, Friday	Independence Day. A holiday.
August 1, Friday	Summer session closes, Portland and Eugene.

BOARD OF REGENTS

OFFICERS

HON. JAMES W. HAMILTON, *President*
HON. CHAS. H. FISHER, *Vice-president*
L. H. JOHNSON, *Secretary*

EXECUTIVE COMMITTEE

HON. JAMES W. HAMILTON, *Ex Officio Chairman*
HON. CHAS. H. FISHER, *Acting Chairman*
MRS. G. T. GERLINGER
HON. HERBERT GORDON
HON. VERNON H. VAWTER
HON. FRED FISK

EX OFFICIO MEMBERS

HON. WALTER M. PIERCE, *Governor* Salem
HON. SAM KOZER, *Secretary of State* Salem
HON. J. A. CHURCHILL, *Superintendent of Public Instruction* Salem

APPOINTED BY THE GOVERNOR

<i>Name and Address</i>	<i>Term Expires</i>
HON. CHAS. H. FISHER, Eugene	April 15, 1923
HON. JAMES W. HAMILTON, Roseburg	April 15, 1925
MRS. G. T. GERLINGER, Dallas	April 15, 1927
HON. C. C. COLT, Portland	April 15, 1927
HON. HENRY MCKINNEY, Baker	April 15, 1927
HON. HERBERT GORDON, Portland	April 15, 1929
HON. C. E. WOODSON, Heppner	April 15, 1929
HON. VERNON H. VAWTER, Medford	April 15, 1931
HON. WILLIAM S. GILBERT, Astoria	April 15, 1933
HON. FRED FISK, Eugene	April 15, 1935

OFFICERS OF ADMINISTRATION

THE UNIVERSITY

P. L. CAMPBELL, B.A., LL.D.	<i>President</i>
LOUIS H. JOHNSON	<i>Comptroller</i>
KARL W. ONTHANK, M.A.	<i>Executive Secretary</i>
CARLTON E. SPENCER, A.B., LL.B.	<i>Registrar</i>
JOHN STRAUB, M.A., Litt.D.	<i>Dean of Men</i>
*ELIZABETH FOX DECOU, B.A.	<i>Dean of Women</i>
GRACE EDGINGTON, B.A.	<i>Acting Dean of Women</i>
M. H. DOUGLASS, M.A.	<i>Librarian</i>

THE COLLEGES AND THE SCHOOLS

GEORGE REBEC, Ph.D.	<i>Dean of the Graduate School</i>
COLIN VICTOR DYMENT, B.A.	<i>Dean of the College of Literature, Science, and the Arts</i>
ELLIS F. LAWRENCE, M.S.	<i>Dean of the School of Architecture</i>
EDWIN CLYDE ROBBINS, Ph.D.	<i>Dean of the School of Business Administration</i>
HENRY DAVIDSON SHELDON, Ph.D.	<i>Dean of the School of Education</i>
ERIC W. ALLEN, B.A.	<i>Dean of the School of Journalism</i>
WILLIAM G. HALE, B.S., LL.B.	<i>Dean of the School of Law</i>
RICHARD B. DILLEHUNT, B.S., M.D.	<i>Dean of the School of Medicine</i>
JOHN J. LANDSBURY, Mus.D.	<i>Dean of the School of Music</i>
JOHN FREEMAN BOVARD, Ph.D.	<i>Dean of the School of Physical Education</i>
FREDERIC G. YOUNG, B.A., LL.D.	<i>Dean of the School of Sociology</i>
EARL KILPATRICK, B.A.	<i>Dean of Extension Division</i>

* Resigned, April, 1923.

THE UNIVERSITY FACULTY

(Names are alphabetically arranged with the exception of the president).

PRINCE LUCIAN CAMPBELL, LL.D. *President of the University*
A.B., Harvard, 1886; LL.D., Pacific University, 1911; University of Colorado, 1918. President, Oregon, from 1902.

PERCY PAGET ADAMS, B.S. *Professor of Graphics*
B.A., Oregon, 1901; B.S., 1902. Faculty, Oregon, from 1902.

FLORENCE D. ALDEN, A.B. *Associate Professor of Physical Education*
A.B., Smith, 1904; graduate student, Wellesley, 1905-06; Missouri, 1906-08; Teachers College, 1919-21; director of physical education for women, Missouri; faculty, Central School of Physical Education, New York City; Oregon, from 1921.

ERIC W. ALLEN, B.A. *Dean of the School of Journalism and Professor of Journalism*
B.A., Wisconsin, 1901; editorial staff, Milwaukee Free Press, 1901-02; Seattle Post-Intelligencer, 1904-06; Printing, Photoengraving, Electrotyping etc., 1906-09; Post-Intelligencer, 1909-12; correspondent, eastern papers, 1905-12; faculty, Oregon, from 1912.

WILLIAM F. ALLEN, Ph.D. *Professor of Anatomy, School of Medicine, Portland*
A.B., A.M., Stanford; Ph.D., Minnesota; assistant to E. P. Allis, Mentone, France, 1902-07; Dr. J. Loeb, California, 1907-10; faculty, Illinois, 1910-11; Minnesota, 1911-16; Oregon from 1916; head of department of anatomy in the School of Medicine, Portland, from 1917.

ELIJAH G. ARNOLD *Assistant Professor of Military Science and Tactics*
U. S. Naval Academy, 1911-12; commissioned U. S. Army, 1917; world war, 1917-18; commissioned captain, 1921. Faculty, Oregon, from 1922.

VICTORIA AVAKIAN *Instructor in Normal Arts*
Los Angeles Normal; California School of Arts and Crafts. Faculty, Tempe Normal, Arizona; Oregon, from 1920.

CHARLOTTE BANFIELD, B.A. *Instructor in Drama and the Speech Arts*
Professional diploma, Gillespie School of Expression; B.A. Oregon, 1919; faculty, Oregon, from 1918.

READ BAIN, M.A. *Assistant Professor of Sociology*
A.B., Willamette, 1914; M.A., Oregon, 1921; faculty, Oregon, from 1921.

DONALD G. BARNES, M.A. *Assistant Professor of History*
B.A., Nebraska, 1915; M.A., Harvard, 1917; graduate student, Pennsylvania, 1917-18; Parker traveling fellowship in history, Harvard, 1920-22; London School of Economics, 1920-21; Sorbonne, Paris, 1921; Cambridge, England, 1922; faculty, Oregon, from 1922.

GERALD BARNES, M.A. *Assistant Professor of Physical Education*
B.A., Amherst, 1915; M.A., Cincinnati, 1917. Faculty, Cincinnati, 1915-17; Allegheny, 1919-20; Cincinnati, 1920-21; Oregon, from 1921.

WALTER CARL BARNES, B.A. (Oxon) *Professor of History*
A.B., Colorado College, 1912; graduate student, California, 1912-13; Rhodes scholar, Honour School of Modern History, Oxford University, England, 1918-16; B.A., Oxon, 1916; faculty, British Columbia, 1917-18; California, 1918-20; Oregon, from 1920.

JAMES DUFF BARNETT, Ph.D. *Professor of Political Science*
A.B., Emporia, 1890; fellow in political science, Wisconsin, 1902-03; assistant in political science, 1903-05; Ph.D., 1905; faculty, Oklahoma, 1905-08; Oregon from 1908; associate editor, National Municipal Review.

† ERNEST SUTHERLAND BATES, Ph.D. *Professor of Philosophy*
A.B., Michigan, 1902; A.M., 1903; university fellow, Columbia, 1906-08; Ph.D., 1908; faculty, Oberlin, 1908-05; Columbia, 1907-08; Arizona, 1908-15; professor and head of department of rhetoric and American literature, Oregon, 1915-22; present position from 1922.

ANNA LANDSBURY BECK, B.A. *Professor of Public School Music*
Student, Simpson College, Colorado Normal, California; B.A., Oregon, 1919. Present position, from 1918.

CECELIA BELL, A.B. *Instructor in English Literature*
A.B., Oregon, 1911. Present position, from 1915.

† Leave of absence, 1923-24.

- JAMES FRANCIS BELL, M.B., L.R.C.P. *Emeritus Professor of Medicine*
M.B. Toronto, 1882; L.R.C.P., Royal College Physicians, London, England. Faculty, Oregon, from 1887.
- HAROLD RAYMOND BENJAMIN, B.A. *Assistant Professor of Education*
B.A., Oregon, 1920. Present position, from 1922.
- ROBERT L. BENSON, A.M., M.D. *Professor of Pathology, School of Medicine, Portland*
A.B., Michigan, 1902; A.M., 1904; M.D., Rush Medical College, 1910; graduate student with Dr. Warthin, Michigan, 1921; research fellow in pathology, Chicago, 1909-10; faculty, Oregon, from 1912.
- J. B. BILDERBACK, M.D. *Professor of Pediatrics, School of Medicine, Portland*
Head of the department of Pediatrics, School of Medicine, Portland.
- GEORGE MOHN BOHLER *Associate Professor of Physical Education*
Washington State College. Faculty, Oregon, from 1920.
- JOHN FREEMAN BOVARD, Ph.D. *Dean of the School of Physical Education and Professor of Physiology*
B.A., California, 1903; M.A., 1906; graduate student, Harvard, 1914-15; Ph.D., California, 1916; faculty, Oregon, from 1906; dean of the School of Physical Education from 1920; president Oregon State Physical Education Society; vice-president Pacific Division American Physical Education Association, 1920-22; member executive council American Physical Education Association.
- WILLIAM PINGRY BOYNTON, Ph.D. *Professor of Physics*
A.B., Dartmouth, 1890; M.A., 1893; graduate scholar in physics, Dartmouth, 1893-94; scholar and fellow in physics, Clark, 1894-97; Ph.D., 1897; faculty, Southern California, 1890-93; California, 1897-1901; California College, 1901-03; Oregon, from 1903; head of department from 1906.
- EYLER BROWN, M. Arch. *Instructor in Architecture*
B.A., Oregon, 1915; B. Arch., 1916; M. Arch., Massachusetts Technical Institute, 1922. Faculty, Oregon, from 1922.
- JULIA BURGESS, M.A. *Professor of English*
B.A., Wellesley, 1894; M.A. Radcliffe, 1901; faculty, Oregon, from 1907.
- GEORGE E. BURGET, Ph.D. *Professor of Physiology, School of Medicine, Portland*
A.B., Indiana State Normal School; Ph.D., Chicago; faculty, Oregon, from 1917.
- MERTON KIRK CAMERON, Ph.D. *Assistant Professor of Economics*
A.B., Princeton, 1908; A.M., Harvard, 1914; Ph.D., 1921; faculty, Harvard, 1915-16; Hibbing Junior College, 1917-20; Oregon, from 1920.
- CHARLES E. CARPENTER, LL.B. *Professor of Law*
A.B., Kansas, 1908; fellow in sociology and history, 1902-04; A.M., 1904; LL.B., Harvard, 1908. Law faculty, North Dakota, 1909-14; Illinois, 1914-18; Washburn, 1919; dean, law school, Washburn, 1920-22; present position, from 1922.
- RALPH D. CASEY, A.B. *Associate Professor of Journalism*
A.B., Washington, 1913; news staff, Seattle Post-Intelligencer, 1913-16; graduate student, Washington, 1914-16; faculty, Montana, 1916-19; Washington, 1919-20; news staff, New York Herald, 1920-21; faculty, Oregon, from 1922.
- ALBERT EDWARD CASWELL, Ph.D. *Chairman of the Department of Pre-Engineering, and Professor of Physics*
A.B., Stanford, 1908; Ph.D., 1911; national research fellow, Princeton, 1919-20; faculty, Purdue, 1911-13; Oregon, from 1913.
- DAN E. CLARK, Ph.D. *Director of Instruction by Correspondence, Extension Division.*
B.A., Iowa, 1907; Ph.D., 1910. Faculty, Iowa, 1909-1918; Oregon, from 1921.
- HERMAN ALDRICH CLARK, M.A. *Professor of Latin*
A.B., Michigan, 1909; A.M., 1910; Charles Kendall Adams graduate fellow in Greek, Wisconsin, 1913-15; faculty, Oregon, from 1915.
- ROBERT CARLTON CLARK, Ph.D. *Professor of History*
B.A., Texas, 1900; M.A., 1901; scholar in history, Wisconsin, 1901-02; fellow, 1902-03; Ph.D., 1905; faculty, Oregon, from 1905; head of department from 1920; fellow, Texas Historical Association.
- WMOTHY CLORAN, Ph.D. *Professor of Romance Languages*
B.A., Western Reserve. 1891; student, University of Berlin, 1897-98; University of Strassburg, 1898-99; Ph.D., Strassburg, 1901; student, University of Paris, 1904-05; University of Madrid, 1905-06; faculty, Shurtleff College, 1898-97; Idaho, 1899-1900; Vanderbilt, 1900-04; Oregon, from 1906; head of department from 1907.

- † WILKIE NELSON COLLINS, A.B. *Assistant Professor of English*
B.A., Pennsylvania, 1905; graduate student, Pennsylvania, 1905-06; Michigan, 1914. Faculty, Pennsylvania, 1907-11; Idaho, 1914-17; present position from 1921.
- EDMUND S. CONKLIN, Ph.D. *Acting Dean of the Graduate School and Professor of Psychology*
B.H., 1908, Springfield, Mass.; A.M., Clark, 1909; fellow in psychology, Clark, 1909-11; Ph.D., 1911; faculty, Oregon, from 1911; head of department from 1913.
- † JEANNE FAYARD-COON, A.B. *Assistant Professor of Romance Languages*
A.B., California, 1917; graduate student, California, 1918-19. Present position from 1919.
- † LELAND A. COON, A.B. *Assistant Professor of Pianoforte*
A.B., Alfred University, 1914; graduate New England Conservatory of Music, 1914; pupil of Henry B. Vincent; Conradi; Alfred DeVoto; Louis Elston; Samuel Cole. Faculty, Kingfisher College, Oklahoma, 1916-17; Oklahoma, 1917-18; present position, from 1919.
- GERMAINE CORNIER, A.M. *Instructor in Romance Languages*
Baccalauréats in Languages and Philosophy, Collège de St. Germain, France, 1916; Licence-es-lettres, Sorbonne, Paris, 1919; M.A., South Dakota, 1920. Faculty, South Dakota, 1920-22; Oregon, from 1922.
- PETER CAMPBELL CROCKATT, Ph.D. *Professor of Economics*
B.A., Oregon, 1915; M.A., 1918; graduate student, California, 1921; Ph.D., 1922; faculty, Spokane, 1916-17; Oregon, from 1917.
- HAROLD RANDOLPH CROSLAND, Ph.D. *Assistant Professor of Psychology*
A.B., South Carolina, 1913; A.M., Clark, 1914; Ph.D., 1916; fellow in experimental psychology, Clark, 1913-16; faculty, Minnesota, 1916-17; Arkansas, 1917-18; Pittsburgh, 1918-20; Oregon, from 1920.
- ROSALIA CUEVAS, M.A. *Instructor in Romance Languages*
Colegio de la Enseñanza, Bogota; student, Milan, Italy; B.A., Adelphi College, 1909; University of Madrid, Spain, 1912; M.A., Columbia, 1913. Faculty, Adelphi, 1907-18; head of department modern languages, Brenau College and Conservatory, 1919-20; present position, from 1920.
- BURCHARD WOODSON DEBUSK, Ph.D. *Professor of Education*
B.A., Indiana, 1904; fellow, Clark, 1909-10, 1914-15; Ph.D., 1915; acting director of psychology laboratory, Indiana, 1908-09; faculty, Teachers College, Colorado, 1910-14; professor of educational psychology, Oregon, from 1915.
- EDWARD HARRIS DECKER, LL.B. *Professor of Law*
A.B., Michigan, 1897; LL.B., 1904. Practicing attorney 1904-1909. Faculty, Illinois, 1909-19; legal staff, Bureau of War Risk Insurance, 1918-20; present position from 1921.
- EDGAR EZEKIEL DECOU, M.S. *Professor of Mathematics*
B.S., Wisconsin, 1894; M.S., Chicago, 1897; graduate student, Chicago, 1899-1900; graduate school, Yale, 1900-01; faculty, Bethel College, Kentucky, 1897-99, 1901-02; acting president, 1902; head of department of mathematics, Oregon, from 1902.
- * ELIZABETH FOX DECOU, A.B. *Dean of Women*
A.B. Barnard, 1908. Faculty, Oregon, from 1916.
- ROLLIEN DICKERSON, B.A. *Instructor in Education*
B.A., Oregon, 1923. Faculty, Oregon, from 1920.
- J. F. DICKSON, M.D. *Professor of Ophthalmology, School of Medicine, Portland*
- RICHARD B. DILLERHUNT, B.S., M.D. *Dean of the School of Medicine, Portland*
Faculty, Oregon, from 1916.
- HARL R. DOUGLASS, M.A. *Professor of Education*
B.S., Missouri, 1913; M.A., 1918; supervisor, University of Missouri High School, 1913-14; superintendent of schools, Missouri and Oregon, 1914-19; faculty, Oregon, from 1919.
- FREDERICK STANLEY DUNN, A.M. *Professor of Latin*
A.B., Oregon, 1892; A.M., 1899; A.B., Harvard, 1894; A.M., 1903; faculty, Willamette, 1895-98; head of department, Oregon, from 1898; leave of absence in Italy, 1918-19.

† Leave of Absence 1922-23.

† Resigned December, 1922.

* Resigned April 1923.

- COLIN VICTOR DYMENT, B.A.*Dean of the College of Literature, Science and the Arts, and Professor of Journalism*
B.A., Toronto (University College), 1900; newspaperman, 1900-18. Faculty, Oregon, 1913-17; head of department of journalism, Washington, 1917-18; director of School of Journalism, 1918-19; present position, from 1920.
- BERTHA S. STUART DYMENT, A.B., M.D.*Medical Consultant for Women*
A.B., Michigan, 1903; M.D., 1908; faculty, Michigan, 1901-09; Oregon, 1909-16; Reed College, 1916-20; Oregon, from 1920; pediatrician with Children's Bureau, American Red Cross, Blois, France, 1918.
- GRACE EDGINGTON, B.A.*Acting Dean of Women, Assistant Professor of Rhetoric*
B.A., Oregon, 1916. Faculty, Washington, 1917-20; Oregon from 1920.
- CARMEN GERTRUDE ESPINOSA*Instructor in Spanish*
Student, New Mexico, 1916-17; Wisconsin, 1918-21. Translator, War Department, 1918. Faculty, Wisconsin, 1918-21; present position, from 1921.
- JOHN STARK EVANS, B.A.*Assistant Dean of the School of Music and Professor of Organ and Piano*
B.A., Grinnell, 1913; pupil of Rudolph Ganz, New York; Reuben Goldmark, New York. Faculty, Oregon, 1917; present position, from 1920.
- AVARD FAIRBANKS*Assistant Professor of Fine Arts*
A.S.L. Board of Control Scholarship, Art Students League, New York, 1911-13; winner S. A. F. Scholarship, 1912; Ecole des Beaux Arts, Paris; Ecole Colorossi, Paris; Ecole Moderne, Paris; represented in exhibitions, Paris, New York, San Francisco, Chicago, and elsewhere. Present position from 1920.
- ANDREW FISH, Ph.D.*Assistant Professor of English*
B.D., Pacific Unitarian School, 1917; A.B., Oregon, 1920; M.A., 1921; Ph.D., Clark, 1922; faculty, Oregon, from 1920.
- FRANKLIN FOLTS, B.A.*Assistant Professor of Business Administration*
B.A., Oregon, 1920; graduate student, 1920-21. Faculty, Oregon, from 1920.
- WILMOT C. FOSTER, A.B., M.D.*Assistant Professor of Anatomy, School of Medicine, Portland*
A.B., Oregon, 1916; M.D., 1920; graduate study, Minnesota, Rush Medical College, and Chicago; faculty, Oregon, from 1920.
- ANDREW JACKSON GIESY, M.D.*Emeritus Professor of Clinical Gynecology, School of Medicine, Portland*
- JAMES HENRY GILBERT, Ph.D.*Professor of Economics*
B.A., Oregon, 1903; Ph.D., Columbia, 1907; faculty, Oregon, from 1907; head of department from 1920.
- MARGARET BANNARD GOODALL, B.A.*Instructor in Education*
A.B., Oregon, 1916. Present position, from 1916.
- HENRIETTE GOUY, B.A.*Instructor in Romance Languages*
Brevet Supérieur, University of Marseilles, France, 1915; graduate student, Marseilles, 1916-19; special degree in education; B.A., Colorado College, 1920. Present position, from 1920.
- LOIS GRAY, B.A.*Instructor in Romance Languages*
B.A., Oregon, 1916; Sorbonne, Paris, 1921. Present position, from 1918.
- CHESTER ARTHUR GREGORY, Ph.D.*Professor of Education*
B.A., Indiana, 1908; M.A., 1915; fellow, Iowa, 1917-18; Ph.D., 1920. Faculty, Parsons, 1912-14; professor of school administration, Oregon, from 1918.
- VIRGIL O. HAFEN*Instructor in Fine Arts*
Pupil of John Hafen, 1908-10; student John Herron Art Institute, Indianapolis, 1909-10; Grande Chomière, Paris, 1911; Ecole Colorossi, Paris, 1911-18; studied in museums, France, Belgium, Switzerland, Italy and England. Present position, from 1922.
- CELIA V. HAGER, M.A.*Instructor in Psychology*
B.A., Oregon, 1912; M.A., 1918; faculty, Oregon, from 1918.
- MOZELLE HAIR, B.A.*Director of Organization and Administration of Correspondence Study, Extension Division.*
B.A., Oregon, 1908. Faculty, Oregon, from 1908.
- WILLIAM GREEN HALE, LL.B.*Dean of the School of Law and Professor of Law*
B.S., Pacific University, 1908; LL.B. Harvard, 1906. Faculty, Illinois, 1909-11, 1913-20; practicing attorney, 1906-09, 1911-12; present position, from 1920.

- ROBERT C. HALL*Associate Professor of Journalism and Superintendent University Press*
Faculty, Oregon, from 1918.
- ANNE HARDY, A.B.*Instructor in Education*
A.B., Stanford, 1921. Faculty, Oregon, from 1922.
- HOWARD D. HASKINS, A.B., M.D.*Professor of Biochemistry, School of Medicine, Portland*
A.B., Michigan; M.D., Western Reserve; faculty, Western Reserve, 1907-15; Oregon, from 1916.
- HAZEL HAUCK, B.S.*Instructor in Household Arts*
B.S. in Home Economics, Washington, 1921. Present position, from 1920.
- BENJAMIN JAMES HAWTHORNE, Lit.D.*Emeritus Professor of Psychology*
A.M., Randolph-Macon, 1861; Lit.D., Oregon, 1910. Faculty, Oregon 1884-1910.
- WILLIAM L. HAYWARD*Professor of Physical Education*
Faculty, Oregon, from 1904.
- EDWIN T. HODGE, Ph.D.*Professor of Geology*
B.A., Minnesota, 1913; M.A., 1914; Ph.D., Columbia, 1915; William Bayard Cutting traveling fellowship, Columbia, 1916; faculty, Minnesota, 1913-15; Columbia, 1915-16; British Columbia, 1917-20; Oregon, from 1920.
- GEORGE PAINTER HOPKINS, B.A.*Assistant Professor of Piano Forte*
B.A., Oregon, 1921; pupil of Harold Randolph, Baltimore; Moritz Moszkowski, Paris; student, Peabody Conservatory, Baltimore. Present position from 1918.
- BENJAMIN HORNING, M.S.*Instructor in Zoology*
B.S., Oregon Agricultural College, 1914; graduate student, Oregon, 1920-22; M.S., 1922. Present position, from 1921.
- ELBERT L. HOSKIN, B.S.*Assistant Professor of Education*
B.S., Hiram, 1914; student Leipzig, Germany. Present position, from 1921.
- HERBERT CROMBIE HOWE, A.B.*Professor of English*
B.L., A.B., Cornell, 1893; graduate scholar in philosophy, Cornell, 1893-95; head of department, Oregon, from 1906.
- CHARLES A. HUNTINGTON*Instructor in Physical Education*
Oregon, 1914-17. Faculty, Oregon, from 1918.
- PHILIP W. JANNEY, B.A.*Assistant Professor of Business Administration*
B.A., Oregon, 1920. Present position, from 1921.
- SIMON EDWARD JOSEPHI, M.D.*Dean Emeritus and Professor of Nervous and Mental Diseases, School of Medicine, Portland*
Faculty, Oregon, from 1887.
- C. LYLE KELLY, Ph.B., C.P.A.*Associate Professor of Accounting*
Ph.B., Chicago, 1911; graduate student, Ohio, 1919-20; Nebraska, 1921; faculty, Nebraska Wesleyan, 1921-22; Oregon, from 1922. Associate member, American Institute of Accountants.
- MAUDE I. KERNS*Assistant Professor of Normal Arts*
B.A., Oregon, 1899; Hopkins Art Institute, San Francisco, 1900-01; B.S. with diploma in fine arts, Columbia, 1906. Associate of Ralph Johnnot, 1912-18. Student, Académie Moderne, Paris; pupil, E. A. Taylor and Jessie King Taylor, 1913; pupil of William Chase, 1914, Arthur W. Dow, 1917; studied in museums of France, Germany, Italy. Present position, from 1921.
- EARL KILPATRICK, B.A.*Dean of the Extension Division, Director of the Portland Center*
B.A., Oregon, 1909; faculty, Oregon, from 1914.
- MAURICE E. KNOWLES*Assistant Professor of Military Science*
Iowa State Teachers' College. Commissioned U. S. A., 1918. Military science instructor, Camp McArthur, Texas, 1918; commissioned 1st lieutenant regular army, 1920. Present position, from 1921.
- SAMUEL CALMIN KOHS, Ph.D.*Instructor in Psychology, Portland Extension Center*
S.B., College of the City of New York, 1912; A.M., Clark, 1914; Ph.D., Stanford, 1918; faculty, Stanford; Reed; Clark; Oregon, from 1919; psychologist, Court of Domestic Relations, Portland.
- EDMOND J. LABBE, M.D.*Professor of Obstetrics, School of Medicine, Portland*
University of Virginia; M.D. Columbia. Faculty, Oregon, from 1899.

- JOHN J. LANDSBURY, Mus.D. *Dean of the School of Music*
Mus.B., Simpson College, Iowa, 1900; Mus.D., 1909; pupil Max Bruch, Berlin;
graduate student, University of Berlin; faculty, Simpson; Baker University; Oregon
from 1914; present position from 1917.
- OLOF LARSELL, Ph.D. *Professor of Anatomy, School of Medicine, Portland*
B.S., McMinnville College, 1910; graduate student, Chicago; M.A., Northwestern,
1914; Ph.D., 1918; faculty, McMinnville, 1910-15; Northwestern, 1915-18, 1920-21;
Wisconsin, 1918-20; Oregon, from 1921.
- ELLIS F. LAWRENCE, M.S. *Dean of the School of Architecture and Allied Arts,*
Professor of Architecture
B.S., M.S., Massachusetts Institute of Technology; Fellow, American Institute of
Architecture. Present position, from 1914.
- CAMILLA LEACH *Librarian, School of Architecture and Allied Arts*
Librarian and registrar, Oregon, 1897-99; librarian, 1899-1908; reference librari-
an, 1908-12; instructor in art, 1912-16; present position, from 1916.
- CAPTAIN FRANCIS E. LEWIS *Assistant Professor of Military Science*
Fargo College, North Dakota; commissioned U. S. A., 1917; instructor in Ger-
man for officers in Coblenz, Germany, 1919-21. Present position, from 1921.
- WILLIAM K. LIVINGSTON, M.A., M.D. *University Physician*
B.A., Oregon, 1918, M.A., 1917; M.D., Harvard, 1920; Massachusetts General
Hospital, 1920-22. Present position, from 1922.
- ALFRED L. LOMAX, B.B.A. *Professor of Foreign Trade*
B.B.A., Oregon, 1923; formerly with George Wills & Sons, Ltd. (export mer-
chants); United States Shipping Board; McCargar, Bates and Lively; faculty,
Oregon, from 1919.
- ALBERT EDWARD MACKEY, M.D. *Professor of Genito-Urinary Diseases,*
School of Medicine, Portland
- EDWARD HIRAM MCALISTER, M.A. *Professor of Mechanics and Astronomy*
B.A., Oregon, 1890; M.A., 1893. Faculty, Oregon, from 1891; dean College of
Engineering, 1902-15; head of department from 1915; certified member American
Association Engineers.
- ROSE MCGREW *Professor of Voice*
Pupil of Haenisch and Von Kotzebue, Dresden; Zimmerman, Berlin. Soprano,
Court Theatre, Mecklenburg-Schwerin; Royal Theatre, Hanover; prima donna,
Breslau, Germany. Created role of Octavian in Strauss' "Rosenkavalier." Deco-
rated with Order of the Silver Laurel (Germany).
- JOHN J. MCKNIGHT, C.P.A. *Associate Professor of Accounting*
Teaching and accounting experience from 1880. Faculty, Oregon, from 1922.
- MADELINE MCMAHUS, Ph.B. *Assistant Professor of Business Administration;*
Secretary of School of Business Administration
Ph.B., Chicago, 1918. Present position, from 1920.
- GERTRUDE MANCHESTER *Instructor in Physical Education*
Student, Wellesley, 1911-13; faculty, Wellesley, 1913-15; Rhode Island College, 1915-
1919; Central School of Physical Education, New York City, 1919-1921; Oregon,
from 1921.
- FRANK R. MENNE, B.S., M.D. *Professor of Pathology, School of Medicine, Portland*
B.S., Wisconsin; M.D., Rush Medical College; faculty, Oregon, from 1911.
- JAMES A. MILLER, J.D. *Associate Professor of Law*
A.B., Beloit, 1913; J.D., Chicago, 1920. Practicing attorney, 1920-21. Present po-
sition, from 1921.
- R. JUSTIN MILLER, J.D. *Professor of Law*
A.B., Stanford, 1911; LL.B., Montana, 1913; J.D., Stanford, 1914. Faculty Mon-
tana, 1912-13; Stanford, 1913-14. District attorney King's county, California,
1915-18; practicing attorney, 1919; attorney and executive officer, California Com-
mission Immigration and Housing, 1920-21. Faculty, California, 1920-21; present
position, from 1921.
- ROLAND MCLEOD MILLER, M.A. *Assistant Professor of Economics*
A.B., British Columbia, 1916; A.M., California, 1920; teaching fellow, California,
1921; faculty, Oregon, from 1921.
- WILLIAM EDMUND MILNE, Ph.D. *Professor of Mathematics*
A.B., Whitman, 1912; A.M., Harvard, 1913; Ph.D., 1915; faculty, Bowdoin, 1915-18;
Oregon, from 1919.

- HAROLD B. MYERS, A.B., M.D. *Professor of Pharmacology, School of Medicine, Portland*
A.B., Wisconsin; M.D., Western Reserve; collaborator, Journal of Pharmacology;
faculty, Oregon, from 1915; assistant dean from 1917.
- FRANK A. NAGLEY, B.A. *Assistant Professor of Business Administration*
A.B., Northwestern, 1907; graduate student, University of Chicago, 1910; faculty,
Oregon, from 1922.
- EARL L. PACKARD, Ph.D. *Professor of Geology*
A.B., Washington, 1911; M.A., 1912; fellow in paleontology, California, 1912-14;
Ph.D., 1915; faculty, Washington, 1915-16; Oregon, 1916-17; Mississippi A. & M.
College, 1917-18; Oregon, from 1919; acting head of department, 1920-21.
- MABEL HOLMES PARSONS, M.A. *Professor of English, Portland Extension Center*
A.B., Michigan, 1904; M.A., 1905; faculty, Oregon, from 1912.
- PHILIP ARCHIBALD PARSONS, Ph.D. *Professor of Applied Sociology, Portland Extension Center*
A.B., Christian University, Missouri, 1904; M.A., 1905; student, Union Theological
Seminary, 1904-06; graduate student, Columbia, and research fellow, School of
Philanthropy, 1908-09; Ph.D., 1909; faculty, Syracuse, 1909-20; director of Uni-
versity Settlement, Syracuse; lecturer, Department Immigrant Education, State
of New York, 1912-13; director of Portland Center school of social work from 1920.
- EDITH BAKER PATTEE, M.A. *Instructor in Education*
A.B., Oregon, 1911; M.A., 1913. Faculty, Oregon, 1912-14, and from 1919.
- MATTIE PATTISON, B.S. *Instructor in Household Arts*
B.S. in Home Economics, State College of Washington, 1919; pupil dietitian Al-
legheny General Hospital, Illinois, 1919. Dietitian Passavant Memorial Hospital,
Illinois, 1919-20; Sherman Hospital, Texas, 1920-21. Present position, from 1921.
- MARY HALLOWELL PERKINS, M.A. *Professor of English*
B.A., Bates, 1898; M.A., Radcliffe, 1908; graduate student, Columbia, 1916-17;
faculty, Oregon, from 1908.
- LIEUTENANT COLONEL W. A. POWELL, M.D. *Professor of Military Science and Tactics,*
School of Medicine, Portland
M.D., Atlanta College Physicians and Surgeons. Present position, from 1921.
- ALFRED POWERS, B.A. *Director of Social Welfare and Visual Instruction,*
Extension Division
B.A., Oregon, 1910. Faculty, Oregon, from 1917.
- JAMES HUGH PRUETT, A.B. *Assistant Professor of Physics*
A.B., McMinnville, 1911; graduate student, Chicago, 1915-16; Science and Re-
search Section Meteorological Division, U. S. Signal Corps, 1918-19; faculty Ore-
gon, from 1920.
- JOHN J. PUTNAM, Ph.D. *Assistant Professor of Bacteriology,*
School of Medicine, Portland
B.S., M.A., University of Denver; Ph.D., Nebraska; graduate student, Chicago;
faculty, Oregon, from 1921.
- *GEORGE REBEC, Ph.D. *Dean of the Graduate School and Professor of Philosophy*
A.B., Michigan, 1891; student at Strassburg, 1893-94; Ph.D., Michigan, 1897; stu-
dent in Florence, Italy, 1908-09; faculty, Michigan, 1894-1909; Oregon, 1912-18;
director, Portland Extension Center, 1918-20; professor of education, Reed College,
1920-21; head of department of philosophy and dean of Graduate School, Oregon,
from 1920.
- FERGUS REDDIE *Professor of Drama and the Speech Arts*
B.A., Valparaiso, (Hon.); Pennsylvania Museum School of Industrial Art; Emer-
son College of Oratory; director of plays for 20th Century Club, Boston; profes-
sional stage. Head of department, Oregon, from 1911.
- MATTHEW CASEY RIDDLE, M.S. *Instructor in Zoology*
B.A., Reed, 1917; student, University of Montpellier, Hérault, France, 1919; M.S.,
Oregon, 1922; faculty, Reed, 1919-21; Oregon, from 1922.
- EDWIN CLYDE ROBBINS, Ph.D. *Dean of School of Business Administration*
B.A., Iowa, 1910; M.A., 1912; Garth fellow in economics, Columbia, 1912-13;
Ph.D., 1915; faculty, Mt. Holyoke, 1914-15; Oregon, 1915-17; Minnesota, 1917-19;
Oregon, from 1919; present position from 1920.
- HOMER P. RUSH, M.D. *Assistant Professor of Physiology, School of Medicine, Portland*
A.B., M.D., Oregon; faculty, Oregon, from 1918.

* Leave of absence, 1922-23.

- †FRANK R. RUTTER, Ph.D. *Professor of Foreign Trade*
A.B., Johns Hopkins, 1894; Ph.D., 1897; U. S. Department of Agriculture, 1899-1910; U. S. Department of Commerce, 1910-21; Lecture on Commerce, Iowa, 1904; George Washington University, 1913-17; Georgetown University, 1920-21; present position, from 1921.
- *ETHEL I. SANBORN, M.A. *Instructor in Botany*
B.S., South Dakota State College, 1903; B.A., South Dakota, 1904; M.A., 1907; graduate student, Oregon, 1911-13; Puget Sound biological station, 1911; Stanford 1917-18; curator of museum, Oregon, 1914-17; faculty, Oregon, from 1918.
- WILLIAM E. SAVAGE, A.B., M.D. *University Physician*
A.B., Illinois, 1916; M.D., Harvard, 1920. Present position from 1922.
- FRIEDRICH GEORG G. SCHMIDT, Ph.D. *Professor of German Language and Literature*
Student, University of Erlangen, Bavaria, 1888-90; Johns Hopkins, 1890-93; university scholar and fellow, 1894-96; Ph.D., 1896; faculty, Cornell College, 1896-97; head of department of modern languages, Oregon, 1897-1905; head of department of German, Oregon, from 1905.
- ALFRED H. SCHROFF *Professor of Fine Arts*
Student, Boston, Cowles Art School, Zepho Club Copley Society; Paris, London. Instructor, Copley Society, Boston Architectural Club; director, L. M. D. Sweat Memorial Museum and school; medals, World's Columbian Exposition, 1893, British Exposition, Jamaica, 1895; represented in eastern collections and exhibitions; first prize in oils, Northwestern Artists exhibition, Seattle, 1923. Faculty, Oregon, from 1916.
- HARRY ALEXANDER SCOTT, M.A. *Professor of Physical Education*
B.S., Teachers' College, Columbia, 1920; M.A., 1921. Faculty, Columbia, 1920; Oregon, from 1921.
- HARRY J. SEARS, Ph.D. *Professor of Bacteriology, School of Medicine, Portland*
A.B., Stanford, 1911; A.M., 1912; Ph.D., 1916; student, Chicago; faculty, Stanford, 1911-12, 1913-16; city bacteriologist and chemist, Berkeley, Calif., 1917-18; faculty, Oregon, from 1918; president, Oregon branch of Society of American Bacteriologists.
- HELEN MILLER SENN, B.A. *Instructor in Public Speaking, Portland Extension Center*
Faculty, Oregon, from 1920.
- HENRY DAVIDSON SHELTON, Ph.D. *Dean of the School of Education*
A.B., Stanford, 1896; A.M., 1897; Ph.D., Clark, 1900; student, Leipzig, 1911-12; faculty, Oregon, 1900-11; Pittsburg, 1912-14; present position from 1914.
- FREDERICK LAFAYETTE SHINN, Ph.D. *Professor of Chemistry*
B.A., Indiana, 1901; M.A., 1902; scholar, Yale, 1902; Ph.D., Wisconsin, 1906; faculty, Wisconsin, 1902-04, 1905-07; Indiana, 1904-05; faculty, Oregon, from 1907; acting head of department, 1918-22.
- JOHN B. SIEPERT *Assistant Professor of Voice*
Pupil of Ellsworth Giles, Pittsburg, Pa.; Mme. Carl Alves, Leipzig and New York; Mme. Jeanne Jomelli, San Francisco. Soloist with Russian Symphony Orchestra, Pittsburgh Festival Orchestra, and California Symphony Orchestra. Present position, from 1921.
- LIEUTENANT COLONEL WILLIAM S. SINCLAIR *Professor of Military Science and Tactics*
Michigan Military Academy, 1891-95, University of Michigan, 1896-98; U. S. Army since 1898; faculty, Oregon, from 1922.
- WARREN DU PRE SMITH, Ph.D. *Professor of Geology*
B.S., Wisconsin, 1902; M.A., Stanford, 1904; fellow in geology, Chicago, 1904-05; Ph.D., Wisconsin, 1908; head of department, Oregon, from 1914; geologist and chief of division of mines, bureau of science, Manila, 1920-22.
- MELVIN SOLVE, B.A. *Instructor in English*
B.A., Oregon, 1918; graduate student, 1918-19; graduate scholarship, University of Christiania, Norway, 1920-21. Faculty, Oregon, from 1919.
- NORMA DOBIE SOLVE, B.A. *Instructor in English Literature*
B.A., Oregon, 1914; faculty, Oregon, from 1918.
- PETER L. SPENCER, B.S. *Instructor in Education*
B.S. in Ed., Oregon, 1922. Present position, from 1920.

* Leave of absence 1923-24

† Resigned.

- ORIN FLETCHER STAFFORD, M.A. *Professor of Chemistry*
A.B., Kansas, 1900; A.M., 1902; graduate student, Nernst laboratory, Berlin, 1908-09; faculty, Oregon, from 1900; head of department from 1902.
- FRED L. STETSON, M.A. *Professor of Education*
B.A., Washington, 1911; M.A. 1913; research scholar, Teachers College, 1919-20; faculty, Washington, 1912-13; Oregon, from 1913.
- A. B. STILLMAN *Instructor in Accounting*
Student, Oregon, 1909-11. Faculty, Oregon, from 1922.
- JOHN STRAUB, Lit.D. *Professor of Greek Language and Literature*
B.A., Mercersburg, 1876; M.A., 1879; Lit. D., Franklin and Marshall, 1913; faculty, Oregon, from 1879; dean of the College of Literature, Science, and the Arts, 1899-1920; dean of men, from 1920.
- LILLIAN LAURA STUPP, M.A. *Instructor in Physical Education*
A.B., Washington University, St. Louis, 1919; M.A., Wisconsin, 1922. Faculty, Oregon, from 1922.
- ALBERT RADDIN SWEETSER, M.A. *Professor of Botany*
B.A., Wesleyan, 1884; M.A., 1887; graduate student, Massachusetts Institute of Technology, 1884-85; Harvard, 1893-97; faculty, Pacific University, 1897-1902; Oregon, from 1902; head of department of botany, from 1909.
- H. G. TANNER, M.A. *Assistant Professor of Chemistry*
B.S., Ottawa University (Kan.), 1915; A.M., Nebraska, 1916; graduate student, Cornell, 1916-17; research chemist, U. S. Government; faculty, Oregon, from 1921.
- JANE SCOTSFORD THACHER *Professor of Pianoforte*
Student, Vienna; pupil of Karl Pfeleger; Teodor Leschetizky. Concert pianiste; present position, from 1916.
- W. F. G. THACHER, M. A. *Professor of English*
A.B., Princeton, 1900; M.A., 1906; graduate student, Chicago, 1906; associate editor of Pacific Monthly, 1902-04; faculty, Oregon, from 1918.
- ANNA M. THOMPSON, M.A. *Assistant Professor of Romance Languages*
B.A., Western Maryland College, 1900; M.A., 1901; graduate student Columbia 1909-10. Faculty, International Institut, Madrid, Spain, 1910-11. Student Institute Français (branch University of Toulouse in Madrid) 1916, 1917. Centro de Estudios Historicos, Madrid, diploma, 1919. University of Mexico, summer 1922. Faculty, Oregon, from 1920.
- HARRIET W. THOMSON, B.A. *Professor of Physical Education*
A.B., Michigan, 1904; graduate student, 1904-1905. Faculty, Oregon, from 1911.
- ELNORA E. THOMSON, R.N. *Director Public Health Nursing, Portland School of Social Work*
R.N., Presbyterian Hospital, Chicago, 1905-09; Chicago School of Civics and Philanthropy, 1909-10, and 1917-18. Present position, from 1920.
- CLARENCE DEWITT THORPE, M.A. *Associate Professor of English*
A.B., Ellsworth College, 1911; A.M., Arizona, 1912; Michigan, 1915. Faculty, Arizona, 1919-21. Present position, 1921.
- EDWARD THORSTENBERG, Ph.D. *Professor of Scandinavian Languages and Literature*
B.A., Bethany College, 1899; scholar, Yale, 1900-03; M.A., 1902; Ph.D. 1904; faculty, Oregon, from 1918.
- LILLIAN E. TINGLE *Professor of Household Arts*
Student, Robert Gordon's College, Aberdeen, Scotland; University of Aberdeen; University of London; special study in Germany and Italy. Faculty, State Normal Industrial School, North Dakota; supervisor domestic science and art, Portland schools, 1908-17; head of department of household arts from 1917.
- HARRY BEAL TORREY, Ph.D. *Professor of Zoology, Chairman, Department of Medicine*
B.S., California, 1895; M.S., 1898; fellow in zoology, Columbia, 1900-01; Ph.D., 1903; faculty, California, 1898-1912; Reed College, 1912-20; head of department of experimental biology and director of research in fundamental sciences, School of Medicine, Portland, and head of department of zoology, Oregon, from 1920.
- ERNEST F. TUCKER, A.B., M.D. *Emeritus Professor of Gynecology, School of Medicine, Portland*
- GEORGE TURNBULL, A.B. *Professor of Journalism*
A.B., Washington, 1915; Editorial Staff, Seattle Post-Intelligencer, 1905-16; Seattle Times, 1916-17. Present position, from 1917.

- IDA V. TURNER, M.A. *Instructor in English*
B.A., Oregon, 1912; M.A., 1913; graduate student Michigan, 1913. Present position, from 1914.
- REX UNDERWOOD *Professor of Violin; Director, University Orchestra*
Student, Chicago Musical College, 1904-07; Leipzig Conservatory, 1907-09; Royal Bavarian School of Music, 1910; pupil of Joseph Olshaker, Chicago; Michael Press, Berlin, 1911; Ostrovsky, London, 1912. Present position, from 1919.
- ETHEL WAKEFIELD, B.A. *Instructor in Education*
B.A., Oregon, 1920. Present position, from 1920.
- GERTRUDE BASS WARNER *Curator of Murray Warner Memorial Museum*
Vassar; member American Association for Advancement of Science, American Anthropological Association, Japan Society, Zaidan Hojin Meiji Seitoku Kinen Gakkai (Meiji Japan Society). Present position, from 1922.
- *SAM BASS WARNER, LL.B. *Professor of Law*
A.B., Harvard, 1912; LL.B., 1915. Present position, from 1919.
- F. MIRON WARRINGTON *Professor of Commerce, Portland Extension Center*
Diplome de l'Université de Paris, 1922. Faculty, Oregon, from 1919.
- EMMA WATERMAN, B.A. *Instructor in Physical Education*
B.A., Minnesota, 1918; graduate student, Wellesley, 1918-19. Faculty, Oregon, from 1919.
- MARY ELIZABETH WATSON, M.A. *Professor of English*
B.A., Oregon, 1909; M.A., 1911; graduate student, Columbia, 1918-19; faculty, Oregon, from 1911.
- RAYMOND HOLDER WHEELER, Ph.D. *Professor of Psychology*
A.B., Clark, 1912; scholar and fellow in experimental psychology, Clark, 1912-15; A.M., 1913; Ph.D., 1915; faculty, Oregon, from 1915; director of laboratory.
- FLORENCE WHYTE, A.B. *Instructor in Romance Languages*
A.B., California, 1915; graduate, Colegio de la Purissima, Saltillo, Mexico; faculty, McMinnville College, 1918-1920. Present position, from 1920.
- EARL WIDMER, B.S. *Instructor in Physical Education*
B.S., Columbia, 1921. Faculty, Kansas State Teachers College, 1915-17; Columbia, 1920-22; Oregon, from 1922.
- W. R. B. WILLCOX *Professor of Architecture*
Three years, Kalamazoo College; one year, School of Architecture, Pennsylvania; twenty-five years practicing architect. Present position from 1922.
- ROGER JOHN WILLIAMS, Ph.D. *Associate Professor of Chemistry*
B.S., Redlands, 1914; M.S., Chicago, 1918; Ph.D., 1919; faculty, Oregon, from 1920.
- GEORGE FLANDERS WILSON, M.D. *Professor of Surgery, School of Medicine, Portland*
M.D., University of Virginia; College of the City of New York; Medical corps, U. S. Army. Faculty, Oregon, from 1880.
- HARRY BARCLAY YOCOM, Ph.D. *Assistant Professor of Zoology*
A.B., Oberlin, 1912; graduate assistant in zoology, California, 1915-16; M.A., California, 1916; Ph.D., 1918; faculty, Wabash, 1912-13; Kansas Agricultural, 1914-15; Washburn, 1917-18; College of City of New York, 1919-20; Oregon, from 1920.
- FREDERIC GEORGE YOUNG, LL.D. *Dean of the School of Sociology and Professor of Sociology*
B.A., Johns Hopkins, 1886; University scholar, 1886-87; LL.D., Oregon, 1920; president, Albany College, 1894-95; head of department of economics and sociology, Oregon, 1895-1920; dean of the Graduate School, 1900-1920; present position, from 1920; member South Dakota Constitutional Convention, 1889; secretary, Oregon Conservation Commission since 1908; secretary, Oregon Historical Society since 1898; editor, Quarterly Journal of Oregon Historical Society, Commonwealth Review, Oregon section, Encyclopedia Britannica.
- *KIMBALL YOUNG, Ph.D. *Assistant Professor of Psychology*
A.B., Brigham Young, 1915; A.M., Chicago, 1918; University research fellow, Stanford, 1919-20; Ph.D., 1921. Faculty, Clark, 1922-23; extension lecturer, Massachusetts department of education, 1922-23; present position, from 1920.

* Leave of absence 1922-23.

PART-TIME INSTRUCTORS

Norman T. Byrne, B.A. Oregon 1921, Philosophy, Eugene.
Carolyn Cannon, B.A. Oregon 1922, Physical Education, Portland.
Richard Melvin Elliott, B.S. Pacific College 1914, Mathematics, Newberg.
Ralph Carl Hoeber, B.A. Oregon 1921, Economics, Portland.
Helen du Buy-Manerud, B.A. Oregon 1920, Romance Languages, Eugene.
Walter Edwin Nichol, B.S. Oregon 1920, Zoology, Hood River.
Lourene E. Taylor, B.A. Oregon 1918, Botany, Eugene.
Frances Jackson Thorpe, B.A. Ellsworth College, Botany, Eugene.

GRADUATE ASSISTANTS

Marguerite Rohse Clark, B.A. Oregon 1913, German, Eugene.
Eleanor Coleman, B.A. Oregon 1922; English, Eugene.
Thomas D. Cutsforth, B.A. Oregon 1918, Psychology, Riddle.
Germaine Dew, B.A. Oregon 1922, Romance Languages, Tacoma, Wash.
Charles Edwin Franseen, Graduate Cheney Normal, two years Washington, Education, Eugene.
Margery Gilbert, B.A. Oregon 1922, Education, Salem.
Mildred L. Hawes, B.A. Oregon 1921, English, Portland.
Arthur C. Hicks, B.A. Oregon 1918, English, Canyon City.
Helene Kuykendall, B.A. Oregon 1922, Normal Arts, Eugene.
Lois A. Laughlin, B.A. Oregon 1919, English, Carlton.
Mathilda Mathisen, B.A. Ripon College 1918, Latin, Oshkosh, Wis.
Elizabeth Carson Nichol, B.A. Oregon 1918, Mathematics, Hood River.
Troy Aubrey Phipps, B.A. Oregon 1922, Physics, Ashland.
Hugo A. Reed, B.S. Oregon 1922, Chemistry, Astoria.
Florence Riddle, B.A. Oregon 1922, Psychology, Grants Pass.
Harry H. Savage, B.A. Willamette 1917, History, Salem.
Hubert G. Schenck, B.A. Oregon 1922, Geology, Eugene.
Lawrence Kenneth Shumaker, B.A. Iowa 1922, English, McMinnville.
Ivon Roy Taylor, B.S. Reed College 1922, Zoology, Portland.
Ford E. Wilson, B.A. Oregon 1922, Chemistry, Salem.
W. Howard Wise, B.S. Montana 1921, Mechanics, Hardin, Mont.

COMMITTEES OF THE FACULTY

Advisory Council (elective)—President Campbell, Deans Sheldon, Hale, Robbins, Professors Gilbert, Packard, Barnett.
Academic Requirements—Spencer, Dymont, Robbins, Stetson, Milne.
Administration of Honors—Howe, Boynton, Conklin, Barnett.
Appointment Bureau—Gregory, Howe, DeCou, Cloran, R. C. Clark, Bovard, Tingle. Miss Taylor, secretary.
Athletics—Howe, Bovard, Director of Athletics.
Awards—Turnbull, Caswell, Thorpe, Landsbury, Thacher.
Catalogue and Schedule—Boynton, Hall, Onthank. Mrs. Fitch, secretary.
Colloquium—Justin Miller, Milne, Onthank.
Commencement and Assembly—Campbell, Straub, Gilbert, Dunn, Evans, Kerns.
Foreign Scholarships—Rebec, Dymont, Donald Barnes. Mrs. Fitch, secretary.
Free Intellectual Activities—Rebec, Allen, Wheeler, Stafford.
Gerlinger Cup—Dean of Women, Dean of Men, Mrs. DeCou, Mrs. Dixon, Mrs. Jewett, Mrs. Wilkins, Mrs. Campbell, the President of the Associated Students, the President of the Woman's League.
Graduate Council—Rebec, Conklin, Young, Sheldon, Smith, Schmidt, Boynton, Packard, Torrey. Mr. Spencer, secretary.
Intra-Mural Sports—DeCou, Scott, Alden, Decker, James Miller, Yocom, Spencer.
Library—M. H. Douglass, Campbell, Sheldon, Allen, Rebec.
Medical School Scholarship—Torrey, Shinn, Wheeler.
Military Credits—Howe, Allen, Boynton.
Pre-Engineering—Caswell, McAllister, DeCou, Stafford, Hodge.
Publications—Allen, Young, Sheldon, Kilpatrick, Hale, Casey, Packard, M. H. Douglass.
Religious and Moral Activities—M. H. Douglass, DeCou, Sweetser, Perkins, Evans, Williams, Fish.
Research—Packard, Torrey, Milne, Stafford, Sheldon, Barnett.
Scholarship—Dymont, Shinn, Watson, Gilbert, Sheldon. Mr. Spencer, secretary.
Student Advisory—Dean of Men, Dean of Women, Dymont, Folts. Mr. Onthank, secretary.
Student Affairs—Dean of Women, Thomson, DeBusk, Lomax.
Student Living and Health—Bovard, Livingston, Stuart, Sweetser, Decker, Willcox, Kelly, Janney, Roland Miller, Fitch. Advisory members, Dean of Women and Dean of Men.

THE UNIVERSITY OF OREGON

HISTORICAL

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 equipment of the University was at first very small, and the courses of instruction were limited practically to literary lines. The University grew rapidly, and the demand for a broader curriculum was met by the addition of engineering, scientific and technical courses. The Law School, established in Portland in 1884 as a night school, was discontinued in 1915 when a regular three year Law School was established at Eugene. The School of Medicine was established in Portland in 1887. More recently the Graduate School, 1900, and the Schools of Music, 1902, Education, 1910, Journalism, 1912, Architecture, 1914, Business Administration, 1914, Sociology, 1920, and Physical Education, 1921, have been added. The Extension Division, including the department of correspondence study, was established in 1907. This, with the summer sessions, makes the resources of the University available to those who are unable to attend the sessions of the regular academic year on the campus.

LOCATION AND CLIMATE

The campus of the University of Oregon is located in the city of Eugene, at the head of the Willamette valley. Aside from the convenience of its location on through lines of rail and highway, it enjoys exceptional health and climatic conditions. The city has an abundant supply of pure wholesome water, and modern sanitation. The mean annual temperature is about 52, that for January being 40.1 and for July and August 65.7 and 65.3 respectively. The mean minimum temperature for January, the coldest month, is 34.1. The mean maximum temperatures for July and August are 79.5 and 73.3 respectively. The annual rainfall is about 38½ inches; the main precipitation coming in the winter months, November, December, and January, while the summers are practically free from rain.

GOVERNMENT

The government of the University of Oregon is vested, under the laws of the state of Oregon, in a Board of Regents, consisting of ten members. The governor, the secretary of state and the superintendent of public instruction are additional members *ex officio*. Each regent is appointed for a term of twelve years.

Academic matters are in the hands of the voting members of the faculty consisting of the president, deans, full professors and associate professors.

ENDOWMENT AND SUPPORT

The University of Oregon is one of the three state-supported institutions which derive their income from the millage taxes. The millage income of the University for the year 1923 is approximately \$810,000, in addition to which certain fees are charged, especially to non-resident students.

No income producing property is owned by the University, but an income of \$8,000 a year is obtained from the state land fund and a small endowment fund given to the University by Henry Villard.

The Medical School, which is situated in Portland, is on a separate budget and is supported by fees, by private gifts and by appropriations from the state legislature.

ORGANIZATION AND DEGREES

The University as a whole is subdivided into the following:

The Graduate School, the work in which leads to the degree of doctor of philosophy in the departments of Education, Physics, Psychology and Zoology; and to the master's degrees in all departments at Eugene, and in the laboratory departments of the School of Medicine at Portland.

The College of Literature, Science and the Arts, which contains 22 undergraduate departments, the work of which leads to the degrees of bachelor of arts and bachelor of science.

The School of Architecture and Applied Arts, the work of which leads to the bachelor of arts and bachelor of science, or in the five year course, to the degree of bachelor of architecture.

The School of Business Administration, in which students proceed to the degree of bachelor of business administration, and subsequently, if desired, to the degree of master of business administration.

The School of Education, whose students proceed to the conventional bachelor's degrees, or occasionally to the special degree of bachelor of science in education.

The School of Journalism, the graduates of which take the degree of bachelor of arts or bachelor of science in journalism.

The School of Law, which has a five-year curriculum leading to the degree of bachelor of laws, and a six-year curriculum leading first to the degree of bachelor of arts or bachelor of science, and proceeding to that of doctor of jurisprudence.

The School of Medicine, the seven-year curriculum of which leads first to bachelor's degree, and then to that of doctor of medicine. It also offers work leading to the master's degree.

The School of Music, in which those who proceed to degrees take the bachelor of arts, bachelor of science, or bachelor of music, according to courses chosen.

The School of Physical Education, whose students proceed to the bachelor's degrees.

The School of Sociology, which contains also the Portland School of Social Work, and through which the bachelor's degrees are obtainable.

The Extension Division, containing the departments of visual instruction and correspondence study, the lecture bureau, and the various extension courses throughout the state, including the numerous ones of the Portland Extension Center.

The Summer sessions, two simultaneous sessions of six weeks each, given in Eugene and Portland, work in which may usually be applied toward the bachelor's and master's degrees.

EQUIPMENT

BUILDINGS AND GROUNDS

The University campus is situated about one mile southeast of the center of Eugene. Electric cars pass through the campus, giving communication with the business section and other parts of the city. The campus contains about 100 acres of land, divided into two sections by the Pacific Highway, which follows Thirteenth Avenue East.

On the north campus are located the older University buildings, such as Deady, Villard and McClure, and a few of the newer buildings, the home of the School of Law, and the School of Business Administration, as well as the Architecture and Art group.

The south campus is mainly occupied by the newer buildings, the administration building, or Johnson hall, the Education group, the School of Music, and the buildings of the woman's quadrangle. East of this section of the campus is a large tract devoted to military and athletic purposes. The University buildings are situated on rising ground well wooded with native and exotic trees.

The location of the buildings described in the following paragraphs can be found on the plan of the campus at the beginning of this bulletin.

Deady Hall, a four-story building, was presented to the State on the opening of the University in 1876 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 and physics.

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 a cemented brick building, and is occupied by the department of English and the general assembly hall of the University.

Sociology Hall, a substantial red brick building erected in 1901, is the headquarters for the School of Sociology.

Architecture and Allied Arts occupy a group of buildings connected by an arcade and a court. Included in the group is *Architecture Hall*, erected in 1914, the Fine Arts studio, and the new Art Building, which contains the studios of sculpture and normal arts, together with the small art museum.

Household Arts Building on University street contains quarters for the department of household arts, on the ground floor, while the campus offices of the extension division are located on the upper floor.

McClure Hall, built in 1900, was named after Professor S. E. McClure, of the class of 1883, head of the department of chemistry, who lost his life on Mt. Ranier, July 27, 1897. It provides quarters for the departments of chemistry and psychology and the University Press. The department of chemistry occupies the main floor of the building and a large part of the basement, as well as somewhat over half of the adjoining floor in the annex which has been completed during the present year. The entire top floor of both the main building and the annex is given over to the department of psychology. The University Press is situated in the basement on the north side.

Journalism Building, is the name given to the new structure east of McClure Hall which is occupied by the School of Journalism. The basement contains offices, library, copy-room, and seminar rooms, and is connected with the University Press in the adjacent building, while the floor above supplies class and assembly rooms.

Friendly Hall, the men's dormitory, erected in 1893, with additions completed in 1903, 1914, and 1920, is a three-story brick building, equipped with electric lights, steam heat, hot and cold water.

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 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 circulation department; on the second floor are the reference and seminar rooms.

Commerce Hall was completed in 1921. It furnishes offices, class rooms, libraries and laboratories for the School of Business Administration, and in addition provides accommodations for the closely related departments of economics and history. This building is externally a replica of Oregon Hall, which it faces.

Oregon Hall was completed in 1916. It is a three-story brick building, 80 by 120 feet, and provides accommodations for the Law School, and the departments of languages, and political science.

Johnson Hall, the administration building, 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 main floor contains classrooms, offices and the little theatre. Guild Theatre, with a seating capacity of 200, is used for student plays and for the work of the department of drama and the speech arts. The dean of men and the dean of women also have offices on this floor as well as the departments of mathematics and geology which have classrooms in the basement.

The Education Building and the *University High School* were completed and occupied in the spring of 1921. They furnish offices and class rooms for the staff of the School of Education, as well as practice school facilities. The high school building represents the most modern ideas in school architecture, and in addition to the regular school equipment, is provided with an open air covered gymnasium and playing fields.

The Music Building, completed in 1921, is provided with teaching and practice rooms of modern type, and in addition it will ultimately contain a well-equipped auditorium capable of seating about 600 persons.

Mary Spiller Hall, erected in 1907, was named for Miss Mary Spiller, the first woman member of the faculty. It is a three-story and basement building, used for a residence and dining hall for women of the University.

Hendricks Hall, erected in 1917, and *Susan Campbell Hall*, erected in 1920-1921, are both woman's halls of residence, accommodating 112 girls each. They are three-story fireproof brick buildings of Colonial type. The rooms are arranged in suites, with a sleeping porch for each suite.

The Woman's Building, erected with funds raised by popular subscription, supplemented by legislative appropriations, was first occupied at the beginning of the year 1921. It provides ample facilities for the department of physical education for women, and has four gymnasium floors. The large indoor gymnasium is equipped with all modern apparatus and laid out for indoor sports. A smaller one is artistically decorated and used mostly for the different forms of rhythmic work. The corrective gymnasium is large and sunny and equipped with apparatus for caring for the girls with remedial defects or who for any reason are not able to take the regular activities. The examining rooms in connection with this are equipped with all the usual examining apparatus, including a schematograph. The fourth is an open air gymnasium and adjacent to it is an athletic field large enough to accommodate all the girls for games and out-door sports during the pleasant weather. Another feature is the large swimming pool purified by constant filtration. Connected with this are ample dressing rooms and lockers and seventy-eight shower baths. There are also several recreation rooms and offices for the staff of the physical education department.

The Woman's Building furnishes headquarters for all women's organizations and space for gatherings of the students. The several club rooms and committee rooms and the large, beautifully decorated alumnae hall are in constant use by the students and faculty. The building ranks with the finest in the country, both for beauty and utility.

The Men's Gymnasium. The gymnasium for men is fitted with modern conveniences, 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" are greatly augmented by this gymnasium annex.

The University at present uses two athletic fields. Hayward field, laid out in a 35-acre tract southeast of the main campus, is surrounded by a grandstand and bleachers capable of seating 13,000 people. The old Kincaid field is still used for football and track practice. 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. C., has been remodeled and 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.

The "Bungalow" and the "Hut", situated on Kincaid street at the edge of the campus, are the quarters of the Y. W. C. A. and the Y. M. C. A. respectively, while the *Newman Club*, near 13th street on Kincaid supplies a recreational center for Catholic students.

The "Co-op" Store on the corner of Kincaid street and 13th avenue, opposite Oregon Hall, furnishes text books and supplies, and is the center of distribution for student publications.

THE UNIVERSITY LIBRARY

STAFF

M. H. DOUGLASS, M.A.	Librarian
BEATRICE J. BARKER, Ph.B.	Head Cataloguer
MARY HUMPHREYS, B.L.S.	Reference Librarian
MABEL EATON McCLAIN, B.A., B.S.	Circulation Librarian
MARTHA E. SPAFFORD, B.A.	Continuation Cataloguer
DORA FRANCIS FORD	Reserve Book Librarian
CAMILLA LEACH	Art Librarian
MRS. ELLEN M. PENNELL	Assistant
GLADYS PLATT, B.A.	Cataloguer
CORWIN V. SEITZ	Order Clerk
MARION BOETTCHER TYRELL	Accessions Clerk
MARY E. MOORE, B.A.	Circulation Assistant
MARIAN P. WATTS, B.A.	Reference Assistant
GLADYS JOSLYN	Stenographer and Bookkeeper

The University library is a well-selected and rapidly growing collection of books numbering 125,073 volumes. The regular annual appropriation for books and periodicals and for binding has been \$10,000, which is occasionally supplemented by special appropriations to secure particular collections.

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. Nearly 1,100 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.

Besides the new books that are being added continually, the library attempts to add each year some sets of important periodicals or other valuable collections of source material for advanced study and research.

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.

An account of the law library will be found in the section of the catalogue devoted to the School of Law.

THE UNIVERSITY MUSEUMS

The Murray Warner Memorial Collection. The Murray Warner collection of oriental art given to the University in 1922 by Mrs. Gertrude Bass Warner, was gathered by Major Warner during his fifteen years in China in the service of the United States government. Major Warner was a recognized authority on the art of the orient, and serving as he did, through the Boxer rebellion and the unsettled conditions following, he had unexcelled opportunities to assemble rare and priceless examples of the finest periods of oriental art. Mrs. Warner has given a portion of her collection to the Smithsonian Institution but the larger amount has come to the University of Oregon in order to foster on the Pacific coast a sympathetic understanding and appreciation of the art of the orient, and to stimulate trade and travel between the trans-Pacific countries.

Among the interesting objects of the collection may be found about 250 Japanese prints, a group of rare Chinese wall paintings and valuable tapestries; armour, bronzes, porcelains, china, embroideries, textiles, weavings; and carvings of wood, ivory, jades and turquoise.

One of the unusual qualities of the collection lies in the excellent condition of the specimens owing to the remarkable care they have had. This is especially noticeable in the display of robes, which includes rare antique Manchu robes heavily embossed with gold and silver thread, and gorgeous mandarin coats, including several imperial coats rich in Chinese symbolism.

An interesting feature of the collection is the Helen Hyde room in which is grouped a number of prints, etchings and paintings by the well known American delineator of Japanese life, as well as her furniture and personal memorabilia.

The Art Museum. The small museum connected with the Architecture and Allied Arts building, constructed since the fire in the summer of 1922, will function for special art exhibitions and loan collections of paintings, sculpture, architecture, and many of the minor arts.

Until the University Museum is built, this building will specially honor the sculpture of the late Roswell Dosh, an instructor in the School of Architecture who died in service during the war, and will be the home of the Dorland Robinson Memorial collection, the paintings of the daughter of Dr. J. W. Robinson of Jacksonville, Oregon.

The *Condon Geological Museum* includes the Condon Cabinet, which represents the life work of the late Dr. Thomas Condon, the first professor of geology of the University and a member of its first faculty. This collection is especially rich in vertebrate fossils from the John Day valley.

The museum also contains type collections of minerals, an ethnological collection of tools and implements used by primitive man, and a representative conchological collection, as well as good working collections of of minerals.

The *Botanical Museum* is well supplied with mounted specimens, especially those from Oregon and the Pacific northwest. It includes the Howell collection of 10,000 specimens, principally from Oregon, the Leiberg collection, presented to the University by John B. Leiberg in 1908, of 15,000 sheets, largely from Oregon, Washington and Idaho, as well as the Cusick collection of 7,000 specimens and the Kirk Whitehead and Edmund P. Sheldon gifts.

The *Zoological Museum* contains a considerable series of mounted and unmounted birds and mammals collected by Mr. Alfred Shelton as a beginning of a state biological survey; a collection of Oregon reptiles, made by Mr. J. R. Wetherbee; a series of fishes, 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; and a collection of birds and mammals, made and presented by Dr. A. G. Prill, of Scio, Oregon.

THE UNIVERSITY LABORATORIES

The *Botanical Laboratories* may be found in 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. A series of botanical models of flower types and insectivorous plants is available. 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 dissecting set and drawing material, but the laboratory is prepared to furnish the necessary microscopic slides, reagents and glassware.

The collections of Mr. Howell, Mr. Leiberg, Mr. Cusick, Mr. Kirk Whitehead 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 is glad to name any specimen sent to the herbarium for determination.

The bacteriological laboratory is equipped with gas-fitted and electrically wired work tables and lockers combined, auto-clave, steam and hot-air sterilizers, incubators, hot water heater and compound microscopes with oil-immersion lenses.

The *Chemical Laboratories* are located in McClure hall and the newly finished annex. Accommodations are now available for 400 students. The department of chemistry has separate laboratories for general chemistry, analytical chemistry, organic chemistry, physical chemistry, and advanced inorganic chemistry. It also has smaller rooms devoted to special prob-

lems in research work. Well equipped store-rooms provide all of the necessary apparatus and materials. A working library is kept in the departmental office to which the students in the department have free access.

The *Geological Laboratories* provide facilities for various lines of work. A general laboratory is provided for elementary geology and geography, and a special room for work in paleontology, including both invertebrate and vertebrate material. There is also a petrographic research laboratory with complete modern grinding machinery, microscopes, etc. The assay laboratory is provided with approved type of modern equipment, including a gas furnace with electric motor blower, as well as smaller furnaces and necessary grinding and sampling equipment. The foregoing are all located in Johnson Hall. In Quartz Hall is found the mineralogy and petrographic laboratory for elementary courses.

The department has a number of working collections in ores, minerals, rocks and fossils which are segregated in the several divisions of the department.

Household Arts. The department of Household Arts has its own building, in which are located its food and clothing laboratories. The food and dietetics laboratory and demonstration room with its communicating kitchen laboratory is equipped with the usual individual outfit for food preparation in family quantities, with gas stoves, sink, balances, supply cupboards, tables, etc. A family size dining room is arranged for practice meals. A class room is also available for the service of larger groups.

The sewing room is equipped with sewing machines, sewing and cutting tables, wardrobes, dressing rooms, lockers, etc.

Journalism. The University Press is the technical laboratory of the School of Journalism. Its equipment includes a large Optimus cylinder press, two smaller presses, two modern linotype machines, folding machines, stitchers, saws, trimmers, a power cutter, casters, a complete bindery, and everything requisite to the publication either of a weekly or a small town daily newspaper. In this laboratory, training is offered in all the arts allied with journalism insofar as the journalism students can profit by them.

The *Physical Laboratories* are located in the basement and main floor of Deady Hall. The lecture room and laboratories for elementary and general work on the main floor are provided with the standard equipment necessary for effective teaching. A large dark room is equipped especially for instruction in photography. In the basement are rooms devoted to advanced work, particularly in electricity, and to research, and a seminar room containing a working departmental library. The department has special facilities for research in the thermal and electrical properties of metals, and the phenomena associated with electrical currents of high frequency and high potentials.

The *Psychological Laboratories* have especially adapted quarters in McClure Hall and the upper floor of the new annex. There is a large suite of small rooms where delicate laboratory work and mental testing may be done with proper isolation. Most of these rooms are connected by an intercommunicating system of wires and speaking tubes, and supplied with gas, and electric circuits. Research on the learning processes of the blind, the determination of individual differences, and the more

obscure motivations of conduct are in progress, and graduate students are enabled to work independently on special phases of these and other problems, with adequate facilities available.

The Zoological Laboratories. The offices of this department are on the second floor of Deady Hall, along with the laboratories for general animal biology, comparative anatomy, physiology and genetics. Besides several research rooms for advanced students, the department possesses a new research laboratory building, accommodating fifteen students, and provided with excellent quarters for animals in detached buildings.

THE UNIVERSITY STUDIOS

Architecture. The architectural drafting room is located on the second floor of the Architecture Building. It is well-lighted from three sides and provides facilities for the accommodation of students in architectural design, domestic architecture, and other architectural work. Much available wall space is covered with inspirational models and rendered details. The department furnishes drawing boards, but students provide their own instruments.

Adjoining this room is the departmental library supplied with books and folios from the main University Library and private collections that are constantly used for reference and research. The nature of the drafting room work is such that good material in art and architecture should be readily accessible, and for this reason approximately four thousand choice plates are available together with two thousand well selected slides for the display of stereopticon illustrations.

Fine Arts. The art studio, located on the main floor of the Architectural building, is provided with overhead and north light, furnishing an excellent room for life drawing, water color and oil painting. An exhibit of valuable potteries, statues, casts and other antiques is displayed on racks and in cabinets about the studio. Anatomical charts for use in lectures in life class work also appear with this collection.

Another room is equipped with tables suitable for work in book and poster design, lettering, stained glass work and so on. Representative student work is displayed and the series of two hundred Racinet Polychromatic prints together with Ragnenet's ten volumes of *Matériaux et Documents* are reserved here for use by the departments.

Sculpture. The new Arts building houses the sculpture studios, with adequate space and lighting for what ever work the students take up. These new quarters are provided with materials and equipment of such a nature as to make them both modern and practical as an atelier. A continuous exhibit of both student and professional work is arranged; while a special modeling room and mezzanine offices for the members of the department offer both convenience and the facilities for advanced work. A dark room allows for the developing and handling of photographic plates.

In connection with the modeling atelier is the casting room, properly fitted. Here is done the casting of architectural ornament and sculpture subjects modeled in the room adjoining. Ample room and light will allow for marble and stone cutting.

Normal Arts. The department of Normal and Industrial Art is housed in the new Art building, together with the sculpture studio and the

small art museum. There are six well lighted and equipped rooms. Those on the main floor are used for weaving, basketry, book-binding, construction work and dress design. The upper floor has special rooms for design, dying, batik, wood-block printing, and home decoration. The department is well supplied with drafting tables, gas-plates, filing cabinets, looms for weaving, lockers and metal-covered tables.

A new kiln and class room with modern equipment for pottery and cement tiles will be placed in the Architecture building. The kiln will also be used for stained glass, sculpture and architectural ornament.

Drama and the Speech Arts. The department of drama and the speech arts occupies Guild Theatre in the administration building (Johnson Hall) with an additional stage laboratory in another building. The Guild Theatre includes not only an auditorium and small but well equipped stage, but also complete dressing rooms, wardrobe, property and rehearsal rooms, box office and property stacks.

UNIVERSITY PROCEDURE

The Term System. The academic year of the University is divided into three terms of approximately twelve weeks each. Supplementary to this school year is the summer session of six weeks, held each year both in Eugene and Portland. Students may enter at any term, but are advised to enter in the fall, since the most of the courses offered are either year courses or run in year sequences.

Definitions and explanations. The word *course* as used in the University means a special subject or study followed for a certain specified length of time, and carrying a certain fixed amount of credit toward a degree. A *curriculum* or *course of study* is a group of courses arranged to provide definite cultural or professional preparation. The work in the University is arranged into *lower division*, or freshman and sophomore years, and *upper division* or junior and senior years.

ADMISSION TO THE UNIVERSITY

Applications for admission should be filed with the registrar as early as possible, and must be filed at least two weeks before the opening day of the term. This applies to all new students, whether entering as freshmen or advanced students.

Receipt of credentials will be acknowledged, and applicant accepted will be notified of the next step in admission procedure.

Credentials filed become the permanent property of the University and will not be returned to the student. Hence, applicants should keep copies of their credentials for future reference.

ACCREDITED HIGH SCHOOLS

The University gives full accrediting to those high schools of Oregon which have been standardized by the state superintendent of public instruction, and which in addition have at least two teachers giving full time to high school work. Graduates of standardized high schools which do not have two full time instructors are admitted on trial, contingent upon the satisfactory completion of the first year's work.

ADMISSION TO FRESHMAN STANDING

For admission to Freshman standing the student must have at least fifteen units earned by entrance examinations or evidenced by a certificate from a standard preparatory school. Unit means a subject taught five times a week, in periods of not less than forty-five minutes, for a school year of not less than thirty-six weeks.

The fifteen units presented for admission must be distributed as follows:

- | | |
|--------------------------------|---|
| (a) English, 3 units | (f) One foreign language, 2 units |
| (b) Algebra, 1 unit | (g) Additional in any of the above subjects, 1 unit |
| (c) Geometry, 1 unit | (h) Elective, 5 units |
| (d) Laboratory science, 1 unit | |
| (e) History, 1 unit | |

Entrance With Deficiencies. Students who present fifteen units for entrance, with ten units distributed among the subjects of English, mathematics, science, history and foreign language, but who may not meet the exact distribution of subjects required by the University may enter with deficiencies removable in the University. Such make-up work, however, is additional to the work regularly required in the corresponding subjects for University degree.

Removal of Deficiencies. In the removal of deficiencies, nine term hours of University work is considered the equivalent of one entrance unit, except in the case of foreign language, wherein the following rule applies:

Foreign Language Deficiencies. A student entering without any foreign language must take in the University one year of foreign language, and a student entering with only one year in any one language, must take two terms of the language presented, in addition to what he would otherwise be required to take.

History and Science Units. The history requirement may be fulfilled by one semester of American history and one semester of civics combined. 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.

The Elective Units. It is recommended that the five elective units be selected whenever possible from the required subjects of English, foreign language, history, science, and mathematics. Credit will be given, however, for any subject offered in the state course of study for high schools.

No credit is granted for drill, spelling, penmanship, physical training, or for work which may be classed as largely or purely a student activity.

Preparation for Special Curricula. Students planning for major work in mathematics, physics, architecture, geology, or pre-engineering should increase their mathematical preparation to include a total of $1\frac{1}{2}$ units of algebra, 1 unit of plane geometry and $\frac{1}{2}$ unit of solid geometry, and will find it advantageous to present $\frac{1}{2}$ unit of trigonometry. Students looking forward to chemistry should also present more than the minimum of algebra.

The School of Business Administration admits students upon fulfillment of the regular entrance requirements as outlined above, or under the following provisions: Seven units in the prescribed subjects (English,

mathematics, language, history and science) and eight from acceptable electives, provided at least four are in commerce. Students entering under the latter provision may not subsequently change their enrollment to any other school or department without having fulfilled the regular entrance requirements.

UNIFORM REQUIREMENTS FOR OREGON COLLEGES

Uniform requirements for admission were adopted by all of the higher educational institutions of Oregon in 1921-22 and are as follows:

(a) *Entrance without deficiency* to the colleges, universities, and normal schools of Oregon should be contingent upon presentation of fifteen units, with at least ten units in English, mathematics, foreign languages (including Latin), laboratory sciences and history (including civics).

(b) *The number of units in English* should be three or four, and in these emphasis should fall upon syntax and upon composition of original character.

(c) *The five elective units* may be taken in any subject regularly or occasionally offered in the high school course of study in this state (such as agriculture, drawing, art, manual training, domestic science and commerce).

(d) It is recommended to high schools that students taking as many as five units of work, outside the five departments mentioned in section (a), should take significant amounts of each subject, to the end that the five units may not be merely a smattering of a number of these electives.

ADMISSION TO ADVANCED STANDING

Advanced standing is granted to students transferring from institutions of collegiate rank for work there completed which is equivalent in quality and quantity to the work of the University of Oregon, subject to the following provisions:

It is a clearly recognized principle that the University can give no credit toward its degrees for any work that it does not itself offer for credit, or which it does not consider a proper part of the curriculum of a state-supported higher educational institution.

The amount of credit to be granted upon transfer is determined by the committee on academic requirements, which will take into consideration, among other things, the nature of the school, the quality of the applicant's scholarship, the content, quality and quantity of the courses completed, etc. Credentials from other institutions are also evaluated with regard to their relationship to the course of study to be undertaken by the student submitting them, and credit therefor is granted only to the extent to which the courses pursued elsewhere articulate with the requirements of the school or department in which the student matriculates.

Final determination of the amount of advanced standing will not be made until after the student has been in attendance at the University of Oregon for at least one term.

All applications for advanced standing must be submitted to the registrar on official blanks furnished by the University, and must be accompanied by official transcripts covering both high school and college records and letters of honorable dismissal.

Excess High School Units. No university credit is granted for excess high school units, except that students who have credits in Latin, German, French, Greek, Spanish, higher algebra or trigonometry over and above the sixteen full units usually required for graduation from the high school may be permitted to take examinations for university credit. The maximum credit so allowed is on the basis of nine term hours for one high school unit. All examinations for such credit must be taken before the student attains upper division standing. Requests for such

examinations must be made on the official blank supplied by the University.

Credit by Examination. A student wishing to apply for credit for work done elsewhere than in an accredited educational institution must petition the committee on academic requirements on forms provided by the registrar for permission to take examinations in specified courses, as listed in the catalogue. The amount of credit to be allowed is determined by the committee.

ADMISSION AS SPECIAL STUDENT

The following regulations cover admission to special student standing and procedure therefrom:

1. Special students are of two classes: (a) those who are not qualified for admission as regular students, but who are qualified by maturity and experience to carry one or more subjects along special lines; and (b) those who are qualified for admission, but who are not working toward a degree, and do not care to follow any of the courses of study leading to one.
2. An applicant for admission as a special student must be not less than 23 years of age, and must file with the registrar documentary evidence sufficient to prove his especial fitness to pursue the subject desired. No applicant shall be admitted as a special student without the consent of the registrar and the dean of the school or college in which he plans his major work.
3. A special student is required to choose a major department, the head of which shall be his adviser. The student shall be governed by the directions of his adviser as to the work to be carried.
4. Credits earned by persons entering as special students shall not subsequently be counted toward a degree until the student has completed at least two years work (90 term hours) as a regular student.
5. Before a special student shall obtain status as a regular student, he shall fulfill all entrance requirements, and shall receive from the registrar a certificate of regular standing. College work done by a special student may be counted toward fulfilling entrance requirements to the extent that it has been done in the subjects required or accepted for entrance.
6. In the case of a regular student changing to special status, the work done while ranking as a special will not count toward a degree.

ADMISSION TO GRADUATE STANDING

Any college or university graduate holding a bachelor's degree from an institution of recognized standing, who has completed a four-year course above a standard high school course, will be admitted to the Graduate School without examination. The applicant must file with the registrar his application for admission on forms provided, accompanied by official credentials showing (1) all preparatory work, (2) all undergraduate work, and (3) all graduate work.

Admission to the Graduate School however does not necessarily involve acceptance as a candidate for an advanced degree, which is determined in each individual case by the graduate council after the student has spent some time in residence.

REGISTRATION

Registration for all students will take place Thursday, and Friday, September 27 and 28, 1923. Study programs will be made out for the entire year at that time and must be filed in the registrar's office before Monday, October 1, at which date classes begin.

English Examination. The entrance examination in English must be taken by all freshmen. Those who do not pass this examination must take English A without credit in the University. These examinations are given at Villard hall on Tuesday, September 25, 1923, at 9:00 a. m., and 1:15 p. m.

Physical Examination. All entering students are required to present themselves for physical examination before assignment to classes in physical education. Appointments should be made with the dean of the School of Physical Education, during registration week.

Registration Procedure:

1. New students call at the registrar's office for certificate of admission.
2. Each student chooses a major department or school, the head of which department or school (or staff member designed by him) acts as the student's adviser. The certificate of admission is presented to the adviser who will fill out the year study-program, conforming to the curriculum of the school or department which the student has selected.
3. The year study program should be signed by the instructors of the courses to be taken, approved by the adviser and filed in the registrar's office before Monday, October 1, 1923. A late filing fee must be paid by any student who files his study program on Monday, October 1, or thereafter, with a cumulative fee for each day thereafter.
4. No student is registered in the University until his year program has been filed in the registrar's office.
5. No credit will be allowed any student for a course which has not been placed on the year program, either originally or by change of registration.

Change of Registration. A fee of \$1.00 must be paid for each course dropped and for each course added to the year study program. These changes may be made only by the consent of the adviser and within a limited time.

Entering New Courses. New courses may be entered only during the first ten calendar days of each term.

Withdrawal from Courses. Withdrawal from courses will be allowed only during the first 21 calendar days of each term.

SCHOOLS AND DEPARTMENTS

The Schools and Departments of the University in which students may major are as follows:

COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

Botany	Mathematics
Chemistry	Mechanics and Astronomy
Drama and the Speech Arts	Medicine
Economics	Military Science
English	Philosophy
Geology	Physics
Germanic Languages and Literature	Political Science
Greek	Pre-engineering
History	Psychology
*Household Arts	Romance Languages
Latin	Zoology

SCHOOL OF ARCHITECTURE AND ALLIED ARTS

Architecture	Fine Arts	Normal Arts
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SCHOOL OF BUSINESS ADMINISTRATION

SCHOOL OF EDUCATION

SCHOOL OF JOURNALISM

SCHOOL OF LAW

SCHOOL OF MUSIC

SCHOOL OF PHYSICAL EDUCATION

Physical Education for Men	Physical Education for Women
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SCHOOL OF SOCIOLOGY

* Students may not major in Household Arts, although they may choose the head of the Household Arts staff as adviser, fulfilling the major requirements in another department or school.

GRADUATION REQUIREMENTS

All candidates for undergraduate degrees must fulfill the requirements listed below. In addition, each candidate must comply with the prescribed curriculum of his school or department.

Credit. Credit for work completed in the University is figured in term-hours, by which is meant the work covered in one recitation, or one laboratory period per week for one term, or equivalent. A term hour is assumed to represent three hours a week for twelve weeks of a student's time, which may be assigned to work in the class-room, laboratory, or outside preparation.

Quantity of Work. In order to be graduated a student must have earned not less than 186 term-hours of credit in the University.

Quality of Work. Of the 186 hours required for graduation at least 140 must have been earned with a grade above V.

The grading system used by the University, groups students in the following 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.
- Inc., incomplete. Quality of work satisfactory, but unfinished for reasons acceptable to the instructor, and additional time granted.
- W. Formal withdrawal from class through the filing of a petition.

Group Requirements. Each student must complete in the lower division (during the freshman and sophomore years) at least one year-course of not less than three hours each term in any three of the following four groups:

- I. *a. English* (except prescribed work). *b. Languages.*
- II. *Social Science.* Including history, economics, political science, philosophy and education.
- III. *a. Mathematics.* *b. Science,* including botany, chemistry, geology, physics, psychology and zoology. Each of these sciences shall include not less than one credit hour a week of laboratory time.
- IV. *Arts and Technical Training.* *a. Arts.* Drama and the speech arts, fine arts, normal art and household arts, each including not less than one credit hour a week of laboratory or practice time. *b. Architecture.* *c. Music.* *d. Accounting.*

Major Requirements. Each student must satisfy the requirements of his major department by taking courses in that department as prescribed by his adviser amounting to not less than 36 term hours of which not less than 24 term hours shall be advanced courses of the type described as "upper division," or junior and senior work. This major requirement is waived only in the case of certain rather rigid professional curricula which have been specifically authorized by the faculty.

Degree Requirements. Two year-courses in a foreign language, in addition to that offered for entrance, are required for the degree of B.A., and three year-courses amounting to not less than 30 term hours in either science or social sciences for the B.S.

Residence. At least 45 term-hours must be earned in residence at the University of Oregon. The remainder of the requisite work is sometimes done through the Extension Division by correspondence, subject to the rule which applies to all students that not more than 60 term-hours earned by correspondence may be applied toward a degree. The 45 term-hours immediately preceding graduation must be earned with the University of Oregon (except in the department of Pre-engineering), although not necessarily in residence.

Required Subjects:

Physical Education. All students must take physical education throughout the freshman and sophomore years.

Military Training must be taken by all men during the freshman and sophomore years.

Personal Hygiene must be taken by all women to the extent of three term-hours during the freshman year.

English. One year-course of written English as prescribed by the school or department. This course may not be taken in the freshman year.

Practical Ethics and Vocational Guidance. All freshman women must take this course as offered by the dean of women.

Restrictions. Not more than one year of law or of Portland medical work may be applied toward any degree other than professional degrees. Not more than six hours of applied music may count toward any degree other than Bachelor of Music. (Note: This rule refers only to applied music, such as piano, voice, violin, organ, etc., not to theoretical music courses).

STUDENT LIVING

THE HEALTH SERVICE

The University Health Service, which is one of the departments of the School of Physical Education, maintains a dispensary and infirmary for the use of the students of the University. Two full time physicians are employed, and in addition a half time physician acts as medical consultant for women and maintains regular office hours daily in the woman's gymnasium. Five trained nurses and a technician assist in the dispensary and the infirmary.

The Dispensary. The dispensary service is free to all persons connected with the University, except for a small fee for medicine. The dispensary is located in the north side of Friendly hall, the men's hall of residence, with an entrance on the north end of the building.

The Infirmary. The University infirmary provides free care and medical attention for regularly registered students for a limited period of time, with moderate charges for longer service. The infirmary (and dispensary) service does not extend, however, to cases requiring the care of a specialist, or involving major operations or chronic diseases.

Physical Examinations. All students entering the University are required to take a physical examination, before being assigned to the required work in physical education. As far as possible these examinations should be arranged for during the registration week before classes begin. Appointments should be made through the office of the dean of the School of Physical Education.

No student is allowed to compete on any of the athletic teams who has not passed a satisfactory physical examination.

Students found to have physical and organic defects will be assigned to special classes in physical education adapted to their needs and designed to correct the defects wherever possible.

STUDENT WELFARE

The 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. Changes in residence may be made only with the approval of the dean. The welfare of the men students is under the supervision of the dean of men.

HALLS OF RESIDENCE

The University has four halls of residence for students, Friendly hall, used by the men, and Hendricks hall, Susan Campbell hall, and Mary Spiller hall, used by the women.

Friendly Hall, the men's residence hall, is a three-story brick building located on the campus containing 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 dining room which accommodates men living outside the hall at the same price per week as the board furnished to students living in the halls of residence.

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Hendricks Hall and Susan Campbell Hall, the halls of residence for women, are modern three-story fireproof buildings. They contain living rooms furnished in colonial style, rooms for guests, and 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.

Mary Spiller Hall is also used as a hall of residence for women.

Rates for room and board. Rates for room and board in the halls of residence are as follows:

Room	\$2.00 a week
Board	\$5.50 a week

Every effort is made to keep the living expenses as low as is consistent with the price of food and service.

The University reserves the right to change the price of room and board at any time without notice, whenever deemed advisable by the proper authorities.

Applications for Rooms. All applications for rooms should be addressed to the Comptroller of the University, and a room deposit of \$10.00 should be enclosed.

This deposit serves as a general insurance on state property. At the end of the college year the cost of all unnecessary wear and tear, or loss of equipment is charged to this fund and the unexpended balance is returned.

In case there is no space available, or the student is prevented from attending the University, the deposit will be returned.

ROOMS IN PRIVATE FAMILIES

A card catalogue of approved rooming and boarding places in town is assembled each year by the fifteenth of September, and is available for entering students without charge. The room list for girls may be consulted in the office of the dean of women, while that for men is open for use in the Y. M. C. A. hut at the edge of the campus.

The number of rooming and boarding places is fairly large, and students desiring such accommodation usually have no serious trouble in finding good locations. Ordinarily it is not advisable to engage a room before reaching Eugene. The price of rooms varies from about \$8 to \$25 a month, the good rooms usually ranging in price from \$18 to \$20. The average price for board and room is about \$35.00 a month, while board alone runs from \$25 to \$27.50 a month.

INVITATIONAL HOUSES

Many of the students live in houses accommodating groups of from twenty to forty persons. These groups are generally designated by Greek letter names or club names and many of them are affiliated with national organizations. Admission to these groups is by invitation only. Experience has shown that units of this size can be administered with considerable economy, and give the necessary flexibility in dealing with a rapidly growing student body. These units are under the general supervision of the student living committee of the faculty, which attempts to secure for them wholesome living conditions, and to protect them from the ills which might come from inexperience, or from attempts at

exploitation. The invitational houses co-operate in matters of mutual interest and concern in such organizations as the "Pan-hellenic" and "Inter-fraternity Council."

SELF-SUPPORT

Approximately seventy per cent of the students attending the University are either wholly or in large part earning their own way by work in the summers and during the college year. 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 employment bureaus for the students. The University is glad to be of all possible assistance to those desiring to find work. However, it cannot guarantee remunerative employment to all who may desire it, and the newly entering student should have sufficient funds to cover the expenses of at least the first term. In writing regarding employment, address the secretary of the University Y. M. C. A. or Y. W. C. A. Students who expect to earn a part of their expenses while in the University should not register for a full schedule of courses.

FEES

Tuition. Tuition in the academic establishments on the campus at Eugene is free to all residents of the state of Oregon. Non-residents pay a tuition fee of \$50.00 each term, or \$150 a year, in addition to the \$11.25 registration fee per term, making a total of registration fees for non-resident students of \$61.25 per term, or \$163.75 a year.

Registration Fee. All undergraduate students pay a registration fee of \$11.25 each term. This fee covers the membership in the Associated Students, and entitles the student to a ticket which admits him free to all concerts, games, etc., given on the campus during the term.

Graduate School Fee. Graduate students pay a registration fee of \$6.00 a term in lieu of the regular registration fee. Members of the instructional staff registering for graduate work pay a registration fee of \$3.00 a term. Graduate students are exempt from the non-resident tuition fee.

Law School Fee. In the Law School there is a tuition fee of \$10.00 a term in addition to the regular registration fee.

Military Deposit. The military deposit of \$10.00 is payable by every student subject to military training. The sum of 25 cents is deducted from the deposit to cover breakage and incidental expenses and the remainder is returned to the student at the end of the year, provided he returns all of the articles issued to him in good condition.

Departmental Fees. Departmental fees will be paid by students majoring in certain schools and departments instead of the various course fees in those schools or departments. Details will be found in the schedule of courses for the year in the registration manual issued at the beginning of the academic year in September.

Laboratory, Locker and Syllabus Fees. These fees are listed in detail in the schedule of courses listed in the registration manual which is issued at the beginning of the academic year in September. They usually range from \$1 to \$10 per term, according to the cost of the materials to be consumed, or other charges which have to be covered by them.

Diploma Fee. A diploma fee of \$10 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.

Penalty Fees. A late registration fee with cumulative charges for each additional day of tardiness will be charged to all undergraduate students registering on October 1 and thereafter.

A change of registration fee of \$1 will be charged for each course dropped or added after the year study program is filed in the office of the registrar.

The University reserves the right to change all fees at any time without notice, whenever it shall be deemed advisable by the proper authorities.

STUDENT EXPENSES

The probable living expenses of a resident student in the University may be tabulated for the year as follows:

	Low	Medium	Liberal
Tuition, entrance and other institutional fees	\$ 50.00	\$ 50.00	\$ 50.00
Books and class supplies	60.00	80.00	100.00
Board and room	290.00	350.00	400.00
Laundry	20.00	40.00	50.00
Incidentals, including class dues, church, recreation, etc	80.00	125.00	200.00
	\$500.00	\$845.00	\$800.00

STUDENT LOAN FUND

Through the generosity of Mr. William M. Ladd, of Portland, Mr. A. S. Roberts, of The Dalles, and the class of 1904, the University loan fund was founded. Although for a number of years the total amount of the fund reached only a little over \$500, 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 \$15,798.26.

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, Professor Max Handman of the University of Texas, and other donors, amounts to \$2989.22.

The Ainsworth Loan Fund of \$1000, established by Mr. J. C. Ainsworth of Portland, now amounts to \$1626.13.

The Booth Loan Fund of \$1500, established by Senator R. A. Booth of Eugene, now amounts to \$1837.59.

The Class of 1911 Loan Fund, established by the class of 1911, now amounts to \$290.

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 \$1404.13.

The Kelly Loan Fund of \$100 established by Mr. John F. Kelly, of Eugene, now amounts to \$170.96.

The Roberts Loan Fund, established by Mr. A. S. Roberts, of The Dalles now amounts to \$946.42.

The Selling Loan Fund, established by Mr. Ben Selling, of Portland, now amounts to \$2210.21.

The D. P. Thompson Loan Fund of \$1000, established by the estate of the late D. P. Thompson of Portland, now amounts to \$1798.58.

The Class of 1896 Loan Fund, established in 1921 at the 25th reunion of the class now amounts to \$2,525.02, available for student loans.

The Alice Wheeler Wrisley Loan Fund of \$10,000, recently bequeathed to the University by Mrs. Wrisley, will be available for use next year.

The A. A. U. W. Loan Fund. 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 American Association of University Women.

Applications for loans are made on blanks which may be procured from the dean of men, and are considered by a committee consisting of the president of the University, the dean of men, the comptroller and the registrar. At present loans are not made before the beginning of the sophomore year. The total amount which is loaned to any one student is limited, and in general every precaution is taken to safeguard against loss. These loans are made at a moderate rate of interest, and the funds available have grown to a point where a large proportion of the deserving applicants have been able to secure loans.

SCHOLARSHIPS

Information concerning scholarships either for undergraduate work in the University, or for advanced work in other institutions either American or foreign, may be obtained from the committees on scholarships.

The Mary Spiller Scholarship. The Mary Spiller Scholarship is given by the alumnae association of the University of Oregon in memory of Miss Mary Spiller, the first woman member of the faculty of the University. It consists in the payment of board and room rent at Hendricks hall, situated on the campus, for one school year.

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

Applicants for this scholarship should send their applications, with any recommendations or information which they may wish to include, to the secretary-treasurer of the association, Mrs. Lawrence T. Harris, 1465 Chemeketa street, Salem, Oregon. In 1922 this scholarship was awarded to Margaret J. McCulloch.

Bernard Daly Scholarships for Lake County Students. The Bernard Daly Educational Fund was established by the will of the late Dr. Bernard Daly of Lakeview, Oregon, to be used in educating young men and women of Lake county in the schools, colleges and technical schools of the State of Oregon. The will provides that not less than fifteen students shall be aided each year. Those holding scholarships in the University during 1922-1923 were Ralph A. Edmisten, Inez Vivian Harper, Thomas Holder, Emily Houston, Everett Ogle, Cornelia F. Robertson, and Theresa B. Robinette.

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 a committee of the faculty of the University, subject to approval of the medical faculty.

FOREIGN SCHOLARSHIPS

Students of the University of Oregon who have completed the work of the sophomore year may enter the competition for the Rhodes Scholarships of Oxford University.

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 courses 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 1922 the Failing prize was awarded to Elaine Cooper.

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

In 1922 the Beekman prize was awarded to Wilbur Hoyt.

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 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 English.

In 1922 the first prize was won by Verne Blue, and the second by Nancy Wilson.

The Albert Prize. The Albert Prize of \$25.00, presented by J. H. Albert of Salem, is awarded at commencement to the senior student who during his college course shall have made the greatest progress toward all around development. The award is made upon the basis of character, scholarship and qualities of leadership in student activities. In 1922 the Albert prize was won by Wayne Akers.

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. In 1922 the cup was won by Ralf Couch.

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. In 1922 the cup was won by Bernice Altstock.

Miscellaneous Prizes. Special and occasional prizes are frequently offered, many of them for excellence in some phase of the work of a professional school of the University.

ORGANIZATIONS

The widely varied interests of the University community find expression in a considerable number of organizations designed to foster those interests.

The *Young Men's Christian Association* and the *Young Women's Christian Association* occupy buildings on the edge of the campus and employ full-time paid secretaries.

The *Newman Club* occupies a building on Kincaid street and provides a recreational center for the Catholic students.

The *Women's League* is an organization of the women of the University supported by the Associated Students and affiliated with the state federation of Women's Clubs.

Triple A is an organization of all freshmen women, the meetings of which are held in connection with the course in practical ethics.

HONORARY SOCIETIES

Phi Beta Kappa, the national honorary society for the promotion of scholarship was installed in the University of Oregon in 1923. Members of the graduating class of the University who will receive the bachelor of arts or bachelor of science degrees, and who have made high records of scholarship are elected each year.

Sigma Xi, the national honorary society for the encouragement of original investigation in pure and applied science, will be installed in the University at the time of the 1923 commencement exercises. Active members are elected from the faculty and students.

PROFESSIONAL, DEPARTMENTAL, AND CLASS SOCIETIES

Class honorary societies include *To-Ko-Lo* for sophomore men and *Kwama* for sophomore women, with the *Friars*, and *Mortar Board*, for senior men and women respectively.

The *Oregon Knights* assist at University functions and are made up of one freshman and one sophomore from each men's living organization, two from each underclass group from *Friendly hall* and the *Oregon Club*, the president of the freshman class, and three members elected by the freshman class. An underclass group of women, *Thespians*, assist in the secretarial work of the Associated Students.

The *Order of the "O"* is made up of men who have won "letters" on University teams.

Other organizations are associated with various departments or schools or with student activities and interests. Some of them are local, many

have national charters. Such are the Students' Allied Arts League, and Normal Art and Sculpture Clubs, of the School of Architecture and Arts; Samara, a group of students of botany and bacteriology; Alpha Kappa Psi, Beta Gamma Sigma, Beta Alpha Psi, Pan Xenia, and Chamber of Commerce, for the men of the School of Business Administration, and Phi Theta Kappa for the women of the same school; the Chemists Club; Mask and Buskin chapter of the Associated University Players of those interested in dramatic work, and the Senior and Junior Companies, organizations of the advanced students in the department of drama and the speech arts; Hermian Club, for upperclass women majors in the physical education department; Phi Delta Kappa, a group of men interested in advanced educational work, and Pi Lambda Theta, a similar organization of women; Tau Kappa Alpha, Zeta Kappa Psi, and Pro and Con, forensic organizations for men and for women; the Eutaxian Society for women, the oldest literary society on the campus; the Condon Club, a chapter of the Geological and Mining Society of American Universities; Sigma Delta Chi, and Theta Sigma Phi for men and women respectively in journalism; Delta Theta Phi and Phi Delta Phi, men's law fraternities and Kappa Beta Phi, a similar organization for women; Mu Phi Epsilon, a musical organization for women and Phi Mu Alpha, for men; Nu Sigma Nu, Alpha Kappa Kappa, Phi Chi, Kappa Psi, and Alpha Epsilon Iota, organizations of medical students; Sigma Delta Pi for students of Spanish, El Circulo Castellano, and Le Foyer Francais; Pot and Quill, Sigma Upsilon, and Hammar and Coffin organizations of women and men interested in writing; the Ad Club, which is composed of men interested in advertising; and the Home Economics Club.

Other types of organizations are Crossroads, an organization of students and faculty; the Dial, the Forum, and Agora, for the public discussion of topics of general and timely interest; the Cosmopolitan Club; Varsity Philippinensis; The Oregon Club, designed to give the advantages of social organization to students who live outside of the residential houses; Tre Nu, a group of self supporting women; California and Washington Clubs.

STUDENT ACTIVITIES

The Associated Students. The body of undergraduate students is organized under the name of the Associated Students. Two major committees, the executive council and the student council, have general supervision over its interests. The executive council which includes the president of the University and representatives of the faculty and alumni as well as the student body, has control over student body activities, being assisted in its control by sub-committees whose membership consists partly of members of the executive committee and partly of outside members. These committees are the athletic committee, the publication committee, the woman's committee, the forensic committee, and the music committee. The object of these committees is to keep close supervision over these activities, and to make recommendations to the executive committee.

The athletic committee supervises inter-collegiate and intra-mural athletics, working in cooperation with the School of Physical Education. The publications committee has the supervision of the Emerald, the Oregana, and other minor publications on the campus, working with the School of Journalism. The woman's committee supervises the Women's League, the activities of women's athletics and so forth. The forensic committee has the supervision of debate and oratory for both men and women, in cooperation with the department of English. The music com-

mittee supervises the glee clubs, both men's and women's, the University orchestra, the concert series and the artist concert series, with the assistance of the School of Music.

The Student Council elected at the annual elections in May, acts as an intermediary between the faculty and the students, and in general has charge of matters which concern the welfare of the student body.

The University Co-op is a co-operative store organized by faculty and students, which furnishes text books and supplies, used by the University students. The payment of one dollar makes one a stock holder and entitles him to a dividend at the end of the academic year. It is conveniently located adjacent to the campus.

PUBLICATIONS

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

The Extension Monitor is published by the extension division for distribution among the correspondence students.

The Oregon Leaflet Series appear at regular intervals and contain miscellaneous informational matter.

Oregon Exchanges is a monthly publication of 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, in an effort to carry to the people through the public press such information about the University as will be of interest.

The Oregon Emerald is published six 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 and faculty 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 assistants. The editor is 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 and organization photographs and records. The editors are chosen from the junior class.

THE GRADUATE SCHOOL

THE GRADUATE COUNCIL

GEORGE REBEC, Ph.D., DEAN (Leave of absence 1922-23)	.....	Philosophy
EDMUND S. CONKLIN, Ph.D., Acting Dean	.....	Psychology
ERNEST S. BATES, Ph.D.	.....	English
WILLIAM P. BOYNTON, Ph.D.	.....	Physics
FRIEDRICH GEORG G. SCHMIDT, Ph.D.	.....	German
HENRY DAVIDSON SHELDON, Ph.D.	.....	Education
WARREN DUPRE SMITH, Ph.D.	.....	Geology
HARRY BEAL TORREY, Ph.D.	.....	Zoology
FREDERIC GEORGE YOUNG, B.A., LL.D.	.....	Sociology
EARL L. PACKARD, Ph.D., (Chairman Research Committee)	.....	Geology

Ex OFFICIO

The graduate council has general oversight of the work of the Graduate School, which includes all of the departments and schools of the University which offer work leading to the degrees of master of arts or science and doctor of philosophy.

ADMISSION

Graduates of standard colleges and universities are admitted to the Graduate School by the registrar upon presentation of an official transcript of credits earned in the institution from which they obtained their bachelor's degree. But admission to candidacy to an advanced degree is determined upon the merits of each individual case.

Graduates of other than standard colleges and universities are advised to obtain a Bachelor's degree from a standard institution, before proceeding to graduate work. Exceptions to this rule are made only by action of the graduate council after consideration of the individual case, and then only in the case of graduates of institutions closely approaching standardization. Such exceptions are always admitted conditionally.

Graduates of standard colleges and universities who desire to take additional work either of graduate or undergraduate character, without seeking an advanced degree may be admitted to the Graduate School, and enjoy the privileges and exemptions of that school.

DEGREES GRANTED

The following advanced degrees are offered in the Graduate School: master of arts, master of science, and, in certain departments, doctor of philosophy.

CANDIDACY FOR ADVANCED DEGREES

After a student has satisfied the heads of the major and minor departments that he is competent and is prepared to proceed to an advanced degree, application for formal candidacy may be made to the graduate council. The heads of the major and the minor departments may at their discretion require more than the minimum residence or more than the minimum amount of work when such is necessary to prepare the candidate properly for the degree.

Detailed description of the requirements for advanced degrees will be found in the bulletin of the Graduate School which may be had on application to the registrar of the University.

THE MASTERS' DEGREE

The Master's degree requires 45 term-hours of graduate work constituting a coherent program, based upon adequate preparation. Approximately 30 hours of this work is taken in the major and 15 hours in the minor department.

A year's residence is required except that students attending the summer sessions may fulfill this requirement by attending sessions aggregating not less than 18 weeks, doing the remainder of their work through the extension division.

In case the student has received his first degree from an institution whose rating is below that of a standard college, or his specific preparation in either his major or his minor subject is less than that necessary for bona fide graduate work, he will be expected to take the necessary undergraduate courses without graduate credit. In such cases, or where the student has other demands upon his time and energies more than one year may be necessary.

The student must present an acceptable thesis and pass an oral examination before a committee of the faculty.

THE DOCTOR'S DEGREE

The degree of doctor of philosophy may be earned in the departments of education, physics, psychology and zoology.

The minimum amount of work for an adequately prepared student is three full years beyond the bachelor's degree. However, the degree of doctor of philosophy is based upon attainments and proven ability, and does not rest on any computation of time or any enumeration of courses, although no student may receive the degree until he has fulfilled the requirements of residence and study for the prescribed periods.

At least two full years must have been devoted to resident graduate study beyond the master's degree in some institution of recognized graduate standing. At least one full academic year, usually the last year, must have been spent in resident graduate work at the University of Oregon. But on the other hand it is not the policy of the University to grant the doctor's degree to any student whose academic training, both undergraduate and graduate, has been exclusively in this University.

A student working for the doctor's degree registers for one major and one or two minor subjects. Approximately 60 per cent of his time is to be devoted to his major subject, including the thesis, and 40 per cent to the minor subjects.

Before a formal acceptance as candidate for the degree the student must pass an examination showing a sufficient reading knowledge of French and German, and must have been in residence for a time sufficient to demonstrate that he has the requisite scholarly foundation and the intellectual characteristics requisite for productive scholarship. This acceptance should normally come about one academic year before the time for the conferring of the degree.

The candidate must present a thesis embodying the results of his own original investigations. The general field, and if possible the subject of this research should be selected and such preliminary investigation of the field made as will justify an expectation of its fruitfulness before and as one of the grounds of the promotion to candidacy. The thesis, if approved, shall be printed in such form as the graduate council shall approve, and not less than fifty copies shall be deposited in the University library. The degree shall not actually be conferred nor the diploma delivered until these copies have been deposited, or a sufficient financial guarantee made to ensure their printing and delivery.

The candidate must submit to an oral examination of three hours duration before a committee of not less than five, appointed by the graduate council on the nomination of the head of the major department. At least one member of this committee shall be some person of high standing in this major department, usually from some other institution of recognized graduate standing, if the attendance of such can be secured.

This examination shall include both an examination upon the research work of the candidate, based upon his thesis, and upon his attainments in his major and minor subjects.

THE SUMMER SESSION

The University regularly offers a considerable number of graduate courses at each summer session. It is intended to offer these in such sequence that a student can pursue a coherent course for a series of summer sessions. Students of some advancement and ability who can work with a fair degree of independence may remain for an additional period of summer work after the regular session. Ordinarily, arrangements can be made which will ensure the student regular conference periods with the instructor in charge of his work.

GRADUATE WORK IN THE PROFESSIONAL SCHOOLS

Several departments of the laboratory sciences in the Medical School in Portland are recognized as offering work of a suitable character for candidates for the master's degree. This work is subject to the same regulations and requirements of the graduate council as that offered by the department in Eugene.

GRADUATE ASSISTANTS

The University has established graduate assistantships of two ranks; teaching fellows, and graduate assistants. These are open in many of the departments and schools, to graduate students taking their major work in those departments or schools. The assistantships ordinarily pay \$500.00 per year on first appointment, and are subject to an increase to \$600.00 on reappointment while the teaching fellowships range upward from \$700.00, according to the requirements and the preparation and ability of the applicant. Other minor positions, as readers or assistants, are also open to graduate students. Graduate students employed in such instructional work have the benefit of a reduction in their fees.

The duties of a full time graduate assistantship will require a maximum of from sixteen to twenty hours per week of the student's time, and hence the graduate council recommends that such full time assistants whose duties consist of instructional or other work not contributing directly towards their degree should not register for more than eight hours work each term, and does not permit them to carry over ten hours. Such students are strongly urged to seek reappointment, and to take two full years of work for their master's degree.

Those interested in securing such positions should correspond either with the dean of the Graduate School, or directly with the head of the department in which they expect to work.

GRADUATE BULLETIN

Further information concerning the Graduate School with a description of the courses offered for graduate credit may be found in the Graduate School bulletin, published by the University.

THE COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

The College of Literature, Science, and the Arts is comprised of the following twenty-two departments:

Chemistry	Mathematics
Botany and Bacteriology	Mechanics and Astronomy
Drama and the Speech Arts	Medicine
Economics	Military Science
English	Philosophy
Geology	Physics
Germanic Languages and Literature	Political Science
Greek	Pre-Engineering
History	Psychology
Household Arts	Romance Languages
Latin	Zoology

Students registering in the College of Literature, Science and the Arts must choose a major in some one of the above departments, and proceed through a four-year course of study to the degree of bachelor of arts or bachelor of science.

The departments of the college also contain numerous service courses in liberal arts subjects for the use not only of their own major students but of those in other departments and in the professional schools. Full details as to each course of study will be found under the appropriate department heading.

The twenty-two departments of the college thus include the pure sciences, the literatures and the ancient and modern languages, philosophy, the social sciences, the drama, and in general those branches that represent the traditional seats of culture and the foundations of technical science.

Departmental Announcements

Numbers between 1 and 99 indicate courses intended primarily for lower division students, those between 100 and 199 indicate courses intended primarily for upper division students, although many of this group may be taken for graduate credit, while those numbered 200 and above are exclusively graduate courses.

Courses numbered a, b, c, represent year courses.

The "norm" referred to in the curricula is a minor subject which the student will prepare to teach. See section under the School of Education.

Laboratory and other fees in connection with the courses are given in detail in the schedule of courses published at the beginning of the academic year.

Not all the courses here listed are offered in any one year, although practically all the lower division courses and many of the upper division are so given. The work presented will however be open to the student during a reasonable period of residence.

ART

The courses in fine arts and normal arts are described in the section under the School of Architecture and Allied Arts.

BIOLOGY

See botany and zoology.

BOTANY

Professor SWEETSER; Miss SANBORN
Miss TAYLOR

The four-year course of study in botany is intended for students interested in botany as a pure science and for those who in addition intend to teach botany among other subjects in high schools. The course of study

contains prescriptions in physics, psychology, geology, and chemistry also, to the end that botany majors may be prepared to teach general science. Majors not intending to teach may take electives instead of the pedagogy courses listed.

COURSES OF STUDY FOR MAJORS IN BOTANY

FRESHMAN			
	Fall	Winter	Spring
General Botany	4	4	4
French, German or Spanish	4	4	4
Chemistry or Animal Biology	4	4	4
History	3-4	3-4	3-4
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
	17-18	17-18	17-18
SOPHOMORE			
Systematic, Economic and Field Botany	3	3	3
General Physics	4	4	4
French, German or Spanish (continuation)	3-4	3-4	3-4
Education 51, 52, 53 or elective	3	3	3
Military Science (men)	1	1	1
Physical Education	1	1	1
	15-16	15-16	15-16
JUNIOR			
Plant Histology	4	4	4
Sanitation and Bacteriology	3	4	4
Written English	3	3	3
Education	3-4	3-4	3-4
Elective	3	3	3
	16-17	16-17	16-17
SENIOR			
Botanical Problem	2-3	2-3	2-3
Plant Physiology and advanced Botany	3-4	3-4	3-4
Botany Seminar	1	1	1
Education or electives	7-8	7-8	7-8
	15-16	15-16	15-16

DESCRIPTION OF COURSES

LOWER DIVISION

1-2-3. *General Botany*. (1) A study of the cell its structure, function and relation to heredity. An investigation of life processes as exemplified in a few typical plants. (2) A further study of the life processes in lower plant forms, especially mosses, algae, fungi and lichens, their classification and economic importance. (3) The habits, physiology, methods of reproduction, ecological relations, economic value and classification of the flowering plants. Students may enter this course any term. Three lectures and one laboratory period. Sweetser. *Four hours, each term.*

11. *Sanitation*. The study of diseases, their causes and prevention; pure food, pure water, pure milk. Open to freshmen. Sweetser.

Three hours, fall term.

UPPER DIVISION

101-102-103. *Plant Histology*. A study of plant tissues. The technique of killing, embedding, sectioning, staining, and mounting of plant tissues. Sanborn.

Four hours, each 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. Sweetser.

Three hours, winter term.

105. *Plant Physiology*. A study of life phenomena as manifested in the plant. Prerequisites, general botany. Lectures and laboratory. Sweetser. *To be arranged.*

106. *Bacteriology*. Two lectures and two laboratory periods a week. Prerequisite, general chemistry. Sweetser and Sanborn.

Four hours, winter term.

107. *Bacteriology*. Continuation of Bacteriology 106. Two lectures and two laboratory periods a week.

Four hours, spring term.

108. *Systematic Botany*. The classification of as many plant forms as possible. Two lectures and one laboratory period a week. Sweetser and Sanborn.

Three hours, fall term.

109. *Field and Systematic Botany*. Analysis and classification of spring plant forms. Sweetser and Sanborn.

Three hours, spring term.

110. *Botanical Problem*. The taxonomy, ecology, physiology, or economy of some group or groups of plants. *Hours and credit to be arranged.*

111. *Research*. Thesis. *Hours and credit to be arranged.*

112. *Pedagogy*. Practical study of methods of instruction in botany. Sweetser.

Three hours, winter term.

113-114-115. *Seminar*. *One hour, each term.*

116. *Advanced Laboratory*. Work in bacteriology. A continuation of Courses 106 and 107. Two laboratory periods. *Two hours, any term.*

GRADUATE DIVISION

213. *Research*. Botanical problem.

214. *Research*. Bacteriological problem.

215. *Graduate Seminar*.

CHEMISTRY

Professors STAFFORD, SHINN

Associate Professor WILLIAMS

Assistant Professor TANNER

Graduate Assistants, WILSON, REED

Students who major in chemistry are required under the following prescribed course of study to take a minimum of 60 hours in the department in addition to reinforcing work in pure science departments.

COURSE OF STUDY FOR MAJOR STUDENTS IN CHEMISTRY

FRESHMAN			
	Fall	Winter	Spring
General Chemistry	5	5	5
Mathematics (Advanced Algebra, Analytical Geometry, Trigonometry)	4	4	4
German or French	4	4	4
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
	16	15	15
SOPHOMORE			
Analytical Chemistry	4	4	4
German or French	3-4	3-4	3-4
General Physics	4	4	4
Calculus	4	4	4
Military Science (men)	1	1	1
Physical Education	1	1	1
	16-18	16-18	16-18

JUNIOR		Fall	Winter	Spring
Organic Chemistry		4	4	4
Electrical Measurements, General Geology, Animal Biology, or Sanitation and Bacteriology		3-4	3-4	3-4
Written English		3	3	3
World History and World Literature, or other social science group		4-6	4-6	4-6
		15-17	15-17	15-17
SENIOR				
Physical Chemistry		4	4	4
Courses in advanced chemistry		3	3	3
Seminar		1	1	1
Electives, including optional thesis		8-9	8-9	8-9
		15-17	15-17	15-17

DESCRIPTION OF COURSES

LOWER DIVISION

1a,b,c. *General Chemistry*. An introduction to the study of chemistry for students of college grade. A previous elementary course in chemistry or physics is pre-requisite, as is also facility in the solution of problems in simple proportion and use of the metric system. Three lectures, one quiz, and one laboratory period. Stafford and Tanner.

Five hours, each term.

2a,b,c. *Elementary Chemistry*. A briefer course introductory to the study of chemistry. Not open to majors in chemistry, medicine or zoology for whom course 1 is prescribed. Pre-requisites as in course 1. Three lectures and one laboratory period. Stafford and Tanner.

Four hours, each term.

3-4-5. *Analytical Chemistry*. The first term is devoted to qualitative analysis; the second to gravimetric quantitative analysis; the third term to volumetric quantitative analysis. One lecture and three laboratory periods per week. Pre-requisite, course 1 or 2. Shinn.

Four hours, each term.

6. *Quantitative Analysis*. A special course for medical students. Three laboratory periods per week. Pre-requisite, course 1. Shinn.

Three hours, spring term.

7. *Physical Chemistry for Medical Students*. A non-mathematical presentation of selected fundamentals of particular interest to medical students. Two years of college chemistry pre-requisite. Shinn.

Four hours, fall term.

8a,b,c. *Organic Chemistry for Medical Students*. Pre-requisite course 1. Three lectures and one laboratory period. Williams.

Four hours, fall and winter terms.

10. *Chemistry and its Relationships*. A short course indicating the content of the field of chemistry together with portrayal of its problems, its achievements, and the broad relationships of these to human interests. The treatment is non-technical, the purpose of the course being to give to those desiring it an appreciation of the work of the chemist without undertaking the task of imparting a working knowledge of the subject. The chemistry staff.

Two hours, spring term.

UPPER DIVISION

105a,b,c. *Organic Chemistry*. Three lectures and one laboratory. Pre-requisites courses 1 and 3-4-5. Williams.

Four hours, each term.

106-107-108. *Advanced Inorganic Chemistry*. The chemical elements are first discussed as regards their practical and theoretical importance.

Finally radio-activity, the periodic table and atomic structure are discussed. A minimum of two years' work in chemistry is prerequisite. Three lectures per week. Tanner.

Three hours, spring term.

109-110-111. *Advanced Inorganic Laboratory*. To accompany optionally, courses 106-107-108. Tanner.

One hour, any term.

112-113-114. *Advanced Analytical Chemistry*. Special analytical procedures adapted to those enrolling. Shinn.

Hours to be arranged.

118. *Advanced Physical Chemistry*. Special topics determined by the interest of those enrolling. Stafford, Tanner.

Hours to be arranged.

119. *Electrochemistry*. Two lectures and one laboratory period. Stafford.

Hours to be arranged.

120. *Advanced Organic Chemistry*. Special topics are studied such as electronic formulas, protein chemistry and catalysis. Williams.

Three hours, spring term.

125-126-127. *Advanced Organic Laboratory*. Largely individual laboratory work, with stress on laboratory technique in the preparation of organic chemicals. Organic elementary analysis is also given after the student has had some experience in preparation work. Work may be started any term. One to four laboratory periods. Williams.

One to four hours, each term.

130. *Sanitary Chemistry*. The chemistry of sanitation procedures.

Hours to be arranged.

GRADUATE DIVISION

201, 202, 203. *Research*. Students are assigned to suitable problems for investigation under supervision of a member of the staff.

Hours to be arranged.

204, 205, 206. *Thesis*. By arrangement.

210, 211, 212. *Seminar*. The staff.

One hour.

DRAMA AND THE SPEECH ARTS

Professor REDDIE; Miss BANFIELD.

This department offers specialized training as follows:

- To those who desire the work for its cultural value.
- To students who later, as teachers, will be called upon to supervise and direct similar work in high schools or colleges, who, as community organizers, will find a knowledge of the work an essential.
- To those who are looking toward a professional career and who desire the benefits of a University training, while studying their chosen work.

COURSE OF STUDY FOR MAJORS IN DRAMA AND THE SPEECH ARTS

FRESHMAN	Fall	Winter	Spring
Dramatic Interpretation I	3	3	3
Modern European Language	4	4	4
Laboratory Science, or English History	3-4	3-4	3-4
Color Theory	1	1	1
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
Elective	1-3	1-3	1-3
	15-17	15-17	15-17

SOPHOMORE			
	Fall	Winter	Spring
Dramatic Interpretation II	3	3	3
Foreign Language (continuation)	2-4	2-4	2-4
Shakespeare	3	3	3
World Literature (first year)	2	2	2
Education 51, 52, 53, or Beginners Psychology or			
Short Story	2-4	2-4	2-4
Military Science (men)	1	1	1
Physical Education	1	1	1
	16-18	16-18	16-18
JUNIOR			
Junior Company	5	5	5
Technique of the Speaking Voice	2	2	2
Stagecraft	2	2	2
Foreign Language (continuation)	3	3	3
World History (second year) or norm	3	3	3
World Literature (second year)	2	2	2
	17	17	17
SENIOR			
Senior Company	5	5	5
Play Production and Dramatization	2	2	2
Education (for intending teachers)	5	5	5
Elective or norm	3	3	3
	17	17	17

NOTE: Students must have satisfied the written English requirement through Short Story, Playwriting, or some other accepted course.

DESCRIPTION OF COURSES

LOWER DIVISION

1. *Voice and Expression.* A practical training in pronunciation, enunciation, platform manner, the fundamentals of free expression, the elimination of mannerisms, restraints and self-consciousness. Voice production and analysis. Three hours class work for two hours of credit.

Two hours, any term.

2a,b,c. *Dramatic Interpretation I.* First year. Open to majors in the department. A course preparatory to 51. Limited enrollment.

Three hours, each term.

51a,b,c. *Dramatic Interpretation II.* Second year. Open to those who have passed course 2 with a grade of III or over, or by examination. Advanced character study, pantomime, properties and makeup. Enrollment limited to fifteen in any section. Presentation of one-act plays. Banfield.

Three hours, each term.

UPPER DIVISION

101a,b. *Teachers' Course in Play Producing.* For those who may be called upon to organize and produce plays, pageants, etc. Interpretation of character, costuming, make-up, and general stagecraft. Banfield.

Two hours, fall and winter terms.

102. *Dramatization.* Open to those who have passed 101a,b, with a grade of III or over. The arrangements of stories for dramatic production, the organization of material used for pageants, community celebrations, etc.

Two hours, spring term.

103a,b,c. *Stagecraft.* A practical course in scene design, stage decoration, lighting and management.

Two hours, each term.

113a,b,c. *Advanced Stagecraft.* For senior students

Two hours each term.

151-152-153. *The Company.* Open to junior students who have passed course 51 with a grade of III or over, or upon examination. This is the operative class in the acted drama, and the members are regularly engaged in the production of plays. Membership limited. Reddie.

Five hours, each term.

154-155. *Technique of the Speaking Voice.* Tone production with cultural spoken English as its goal. The anatomy of the speech producing organs and the resonating cavities, and their relation to the properties of vocal sound. Class limited in number. Prerequisite: consent of instructor.

Three hours, fall and winter terms.

161-162-163. *The Company, Advanced.* Open to seniors who have passed 151 with a grade of III or over. Advanced study of the acted drama. Students in this class are given the opportunity of assuming responsible roles in public performances and of directing plays. Membership limited. Reddie.

Five hours, each term.

GRADUATE DIVISION

201-202-203. *Interpretation of Shakespeare.* For graduate students or qualified seniors. Especial emphasis is placed upon tonal quality and rhythm of action in their relation to the subject matter, as well as the value of color and form in background and costume as indispensable assets in the translation of poetic ideals to the audience mind. Reddie.

Three hours, each term.

204. *Advanced Technique of the Speaking Voice.* Graduate standing, with course 152 parallel or prerequisite. Class limited in number. Reddie.

Three hours, spring term.

205-206-207. *Seminar.* For graduate students or seniors who have maintained a grade of I in this department for one year prior to registration in this course. Reddie.

Two hours, each term.

ECONOMICS

Professors GILBERT, CROCKATT Assistant Professors CAMERON, R. M. MILLER
Graduate Assistant Mr. HOEBER

The department of economics offers two curricula, one intended to give general training in economics, the other special training for public service in connection with state and federal bureaus and commissions, boards of control, etc. Major students in economics are expected to adhere strictly to one or the other of these courses.

COURSE OF STUDY FOR MAJOR STUDENTS IN ECONOMICS

FRESHMAN			
	Fall	Winter	Spring
Modern Governments	4		4
Economic History		5	
Mathematics or Laboratory Science	4	4	4
Elementary or Second Year Language	4	4	4
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
Elective	2-3	2-3	2-3
	16-17	17-18	16-17
SOPHOMORE			
Principles of Economics	4	4	
Labor Problems or Conservation of Nat. Res.			3-4
Foreign Language (continuation of first year)	3-4	3-4	3-4
Psychology	3	3	3
Military Science (men)	1	1	1
Physical Education	1	1	1
Elective	4	4	4
	16-17	16-17	16-17

JUNIOR			
Trusts and Combinations, Natural Monopolies, and Modern Industrial Tendencies, or Transportation (three term courses)	Fall	Winter	Spring
Principles of Sociology	5	5	5
New Social Order	5	5	
Written English	3	3	5
Electives	3-4	3-4	3-4
	16-17	16-17	16-17
SENIOR			
Public Finance, and Money and Banking, or Organized Labor, Labor Legislation			
History of Economic Thought	4	4	4-5
Electives	12	9	9
	16	16	16-17

NOTE: Second, third, and fourth year electives are sufficient in number to provide for the two-year-courses in world history and world literature, and (in the case of any intending to teach in the high schools) for pedagogy.

COURSE IN TRAINING FOR PUBLIC SERVICE

FRESHMAN			
Modern Governments	Fall	Winter	Spring
Economic History	4	4	5
Principles of Accounting	4	4	4
French or German	4	4	4
Physical Education	1	1	1
Military Science (men) or Personal Hygiene (women)	1	1	1
Elective	3	3	3
	17	17	18
SOPHOMORE			
Principles of Economics	4	4	
Economics of Business Organization			5
Acct. Theory and Practice	5	5	
Cost Accounting			5
French or German	3-4	3-4	3-4
City Government	4	4	
Law of Competition			4
Constitutional Law	1	1	1
Physical Education	1	1	1
Military Science	1	1	1
	18-19	18-19	19-20
JUNIOR			
Trusts and Monopolies	5	5	
Natural Monopolies			5
Industrial Tendencies	4	4	4
Auditing	4	4	
Public Finance	4	4	
Business Finance			5
Principles of Sociology	5	5	
New Social Order			5
	18	18	19
SENIOR			
Railway Economics	4	4	
Water Transportation			4
Control of Carriers	4	4	
Government Accounting			4
Municipal Accounting	4	4	
Public Utility Accounting			4
Utility Commissions	3	3	
Railway Commissions			3
Labor Commissions	2-3	2-3	2-3
Written English			
	13-14	13-14	13-14

DESCRIPTION OF COURSES

LOWER DIVISION

1. *Economic History.* The evolution of economic institutions from their simpler forms to the more complex systems of our own time. Forms of land tenure, systems of labor, the guilds, the industrial revolution, the

growth of the factory system, the evolution of banking, improvement of transportation and the emergence of labor problems and those connected with large scale production. Cameron. *Five hours, any term.*

3a,b. *The Principles of Economics.* The principles that underlie production, exchange and distribution. Practical problems like monetary and banking reform, regulation of international trade, the taxation of land values, labor movement, regulation of railways, the control of the trusts, etc., are considered. Pre-requisite sophomore standing. Gilbert.

Four hours, fall and winter terms.

4. *Economics of Business Organization.* The evolution of business units such as the partnership, joint stock concern and the corporation. Special attention to the organization, financing and promotion of corporations and the advantages and disadvantages of the corporate form of organization from the standpoint of industrial society. Pre-requisite course 3a and 3b. Cameron. *Five hours, spring term.*

UPPER DIVISION

105. *Labor Problems.* Treats of the conditions under which laborers work since the advent of the industrial revolution. Topics especially emphasized are: child labor, immigration, strikes and lockouts, industrial arbitration, social insurance, remedial legislation, etc. Open to students who have studied the principles of economics or the principles of sociology. Roland M. Miller. *Four hours, spring term.*

106. *Organized Labor.* Study of the history of the labor movement, the aims, methods and policies of trade unions, conservative and radical. Students are required to interpret the philosophy of unionism and evaluate the significance of the labor movement. Prerequisite, 105. Roland M. Miller. *Four hours, winter term.*

107. *Labor Legislation.* A detailed study of some problems facing the employee, employer and the public, which call for regulation through public authority. The course considers how far such legislation is consistent with the interests of all classes concerned. Roland M. Miller. *Four hours, spring term.*

108. *Modern Theories of Social Reform.* A combined lecture and problem course. Lectures present various suggested theories and show their relation to the labor movement. Appropriate problems are assigned involving considerable research on the part of the student. Prerequisites, Economics 105 and 106 or 107. Roland M. Miller. *Four hours, spring term.*

113. *Money, Banking and Economic Crises.* The principles of money, the laws controlling its value, methods for measuring price levels and devices for stabilizing the purchasing power. The monetary history of the United States and the present monetary system. Principles underlying sound banking and the use of credit with the history, causes and remedies for crises and panics. Prerequisite, Principles of Economics. Gilbert. *Five hours, spring term.*

115a,b. *History of Economic Thought.* The evolution of economic doctrines from the Greek and Roman period to the more advanced ideas of today, and the relation to contemporary economic conditions. Special attention is given to the classical school and the transmission and criticism of their theories by subsequent writers. Prerequisite, Principles of Economics. Cameron. *Three hours, winter and spring term.*

118a,b. *Public Finance*. The aim of this course is to ascertain sound principles affecting public expenditure, the raising of revenue, budgetary legislation, financial organization and the use of the public credit. Various forms of taxes and a constructive plan for fiscal reform. Special consideration given to Oregon problems. Prerequisite, Principles of Economics. No credit for one term. Gilbert. *Four hours, fall and winter terms.*

123. *Modern Industrial Tendencies*. Recent changes affecting the organization of big business, and the economic influences, as well as the limits of the movement toward concentration and integration in the industrial world. Cameron. *Five hours, fall term.*

124. *Government Control of Natural Monopolies*. Sound lines of policy in regulating, controlling or owning natural monopolies or public utilities other than steam railways. Municipal ownership in America and Europe and the economic and political problems incidental thereto. Prerequisite, Principles of Economics. Cameron. *Five hours, winter term.*

125. *Trusts and Industrial Combinations*. The evolution of industrial combinations, the economics of concentration and the evils of combination from the standpoint of investor and the public. The attempts at regulation by state and federal authority and plans for safeguarding the public interest. Prerequisite, Principles of Economics. Cameron. *Five hours, spring term.*

135. *Railway Economics*. The study of transportation by land as a factor in modern economic life, the tendency toward combination and the problems of discriminating rates. Prerequisite, Principles of Economics. *Four hours, fall term.*

136. *Water Transportation*. A study of the transportation agencies by water in both the domestic and foreign trade. The evolution, services and organization of these carriers are studied and the contrast with and the relationships to the railways are especially emphasized. Particular attention is given to the problems of combination and competition, the history and effect of subsidies and forms of indirect aid by governments. Prerequisite, Principles of Economics. Crockatt. *Four hours, winter term.*

137. *Control of Carriers*. The characteristics which determine whether a carrier is a common carrier or not are first taken up after which a close study is made of the problems of regulation of rates, combinations and monopolies, relations between rail and water carriers, obtaining and use made of capital, relations of carriers to labor. Special attention is given to the work of the Interstate Commerce Commission and United States Shipping Board, and other government boards dealing with the problems of regulations. Prerequisites, Principles of Economics, and 135 and 136. Crockatt. *Four hours, spring term.*

138a,b. *Traffic Problems*. An intensive study of railway traffic management, industrial traffic management, and railway commission rules. A close study of both passenger and freight traffic is made and the problems of rate construction, application and effects on traffic are studied from the standpoint of the railroad and the industrial concern. The actual rules of railway regulatory bodies as they affect traffic problems receive close attention. Prerequisites, Principles of Economics, 135, 136, and 137. Crockatt. *Three hours, fall and winter terms.*

141. *Conservation of National Resources*. An inventory of our resources in mineral wealth, water, soil, timber, etc., is taken and practices which lead to waste and extravagances considered. Discussion of sound lines of public policy which will arrest needless waste, promote restoration and encourage conservation. Prerequisite, Principles of Economics. Gilbert. *Three hours, spring term.*

152. *Public Utility and Trade Commissions*. This course aims to consider the evolution of our modern system of regulation through public commissions, their procedure and their problems. Special attention will be given to the federal trade commission and its rulings on unfair competition. Prerequisites, courses 123, 124, 125. Cameron. *Four hours, fall term.*

153. *Railway Commissions*. This course aims to consider railway commissions, state and federal, especially with reference to organization, power and achievements. Prerequisite courses, 134, 135. Crockatt. *Four hours, winter term.*

154. *Labor Bureaus and Commissions*. This course includes a survey of state and federal bureaus and commissions and the machinery for investigating labor problems and enforcing labor legislation. Types of commissions will be studied and their problems analyzed. Prerequisites, courses 106, 107, 108. R. M. Miller. *Four hours, spring term.*

GRADUATE DIVISION

201, 202, 203. *Research in Economics*. Original work for thesis purposes. Gilbert. *Each term.*

210, 211, 212. *Economics Seminar*. *Each term.*

EDUCATION

Courses in this subject are described in the section under the School of Education.

ENGLISH

Professors HOWE, BURGESS, PERKINS, TRACHER, WATSON
Associate Professor THORPE; Assistant Professors EDGINGTON, FISH; Mr. SOLVE,
Mrs. NORMA DOBIE SOLVE, Miss TURNER
Graduate Assistants: Miss COLEMAN, Miss HAWES, Mr. HICKS, Mr. HOEBER
Miss LAUGHLIN, Mr. SHUMAKER

COURSE OF STUDY FOR MAJOR STUDENTS IN ENGLISH

	LITERATURE OPTION		
	Fall	Winter	Spring
FRESHMAN			
Outlines of English Literature	4	4	4
American Literature, 5-6-7	3	3	3
Latin, French, or German	4	4	4
English History	3-4	3-4	3-4
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
	16-17	16-17	16-17
SOPHOMORE			
English Poetry, Wordsworth, Ruskin	3	3	3
Shakespeare,* or Written English, or			
Education 51, 52, and electives	3	3	3
Latin, French, or German (continuation)	3-4	3-4	3-4
Psychology or General Geology (lab.)	4	4	4
Military Science (men)	1	1	1
Physical Education	1	1	1
Elective	2	2	2
	17	17	17

* Majors expecting to teach must elect Education 51 and 52, but must then make provision for Shakespeare from the electives of the junior year.

JUNIOR			
	Fall	Winter	Spring
Romantic Poets, Victorian Poets, Classic Poets	3	3	3
English Novel	3	3	3
Written English *	2-3	2-3	2-3
Latin, French, or German (continuation)	3	3	3
Observation Teaching, Teaching of Composition, and Teaching of Literature †	3	3	5
Minor, Norm or Elective	2-4	2-4	2
	16-18	16-18	16-18

* Required for degree unless taken in sophomore year.

† Required only of those intending to teach.

SENIOR			
	Fall	Winter	Spring
Anglo-Saxon *	3	3	
History of English Literature †	3	3	3
Living Writers	4	4	4
Seminar ‡			3
Supervised Teaching and Norm (for intending teachers), or Minor, or Elective	6-8	4-6	7-9
	15-17	15-17	15-17

* Required of students contemplating graduate work in English.

† For candidates for honors and for intending teachers.

‡ For candidates for honors.

WRITING OPTION			
FRESHMAN			
	Fall	Winter	Spring
Written English	2-3	2-3	2-3
Outlines of English Literature	4	4	4
Latin, French or German	4	4	4
General Geology	4	4	4
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
	16-17	16-17	16-17

SOPHOMORE			
	Fall	Winter	Spring
Written English	2-3	2-3	2-3
American Literature	3	3	3
Foreign Language (continuation)	3-4	3-4	3-4
Military Science (men)	1	1	1
Physical Education	1	1	1
Education * 51, 52, 53, or History of England	3-4	3-4	3-4
Electives	1-4	1-4	1-4
	17	17	17

JUNIOR			
	Fall	Winter	Spring
Written English	2-3	2-3	2-3
Shakespeare	3	3	3
Foreign Language (continuation)	2-3	2-3	2-3
(1) Teaching of Composition, Observation of Teaching, Teaching of Literature	3	3	5
Minor, Norm or elective	4-7	4-7	4-7
	16-17	16-17	16-17

SENIOR			
	Fall	Winter	Spring
Written English	2-5	2-5	2-5
Wordsworth *	3	3	3
Anglo-Saxon, and Chaucer †	3	3	3
History of English Literature ‡	3	3	3
Supervised Teaching and Norm (for intending teachers) or Minor or elective	4-15	4-15	4-15
	16-17	16-17	16-17

* For intending teachers.

† Required of students contemplating graduate work in English.

‡ For candidates for Honors and intending teachers.

DESCRIPTION OF COURSES

LOWER DIVISION

LITERATURE

1-2-3. *Outlines of English Literature.* From Beowulf to the present. Each epoch is studied by reading representative authors, supplemented by lectures. First term, Beowulf to Edmund Spencer. Second term, the

seventeenth and eighteenth centuries. Third term, 1800 to the present. Courses in sequence, but may be taken separately. Watson, Perkins, Solve, Hawes. *Four hours each term.*

5-6-7. *American Literature.* Study of American literature from its beginning to the present day. Lectures and assigned readings. Burgess. *Three hours, each term.*

10. *English Poetry.* The shorter classics. Prescribed for majors in literature. Howe. *Three hours, fall term.*

20. *Wordsworth.* A study of the poems, so selected as to illustrate the thought, power and beauty of the author. Introductory to all poetry courses in this department, and prescribed for literature majors and intending teachers of English. Howe. *Three hours, winter term.*

25. *Ruskin.* A study of the Modern Painters, planned to familiarize the student with the use of critical terms, as well as to familiarize them with masterly English prose. Prescribed for literature majors. Howe. *Three hours, spring term.*

30. *William Morris.* A study of the life and writings, both prose and verse. Howe. *Three hours, winter term.*

40-41-42. *Shakespeare.* Study of the important historical plays, comedies, and tragedies. Courses in sequence, but may be taken separately. Watson. Prescribed for majors. *Three hours, each term.*

WRITTEN ENGLISH

50a,b,c. *Report Writing.* A service course, to be given in segregated sections, as far as possible, for English majors, history majors, science majors, in which they may be given instruction and correction in writing papers, book reviews, etc., in their respective fields of study. Fish. *Two hours, each term.*

51-52-53. *Magazine Writing.* Based on study of current literary magazines. Burgess. *Two hours, each term.*

54-55-56. *Narration.* A study of common types of prose narrative; analysis of examples, and practice in writing narrative. Turney. *Three hours, each term.*

57a,b,c. *Short Story Writing.* This course is designed to develop proficiency in the art of writing the short story. Thacher. *Two hours, each term.*

58. *The Study of Words.* The purpose of this course is to aid students in the attempt to acquire a practical vocabulary. *Two hours, spring term.*

60a,b,c. *Elementary Playwriting.* Study of primary dramatic principles; writing of simple dialogues, sketches, and scenarios. *Two hours, each term.*

65a,b,c. *Versification.* Analysis and practice of the principal metrical forms in English verse. *Two hours, each term.*

WRITTEN AND SPOKEN ENGLISH

75a,b,c. *Written and Spoken English.* Specially adapted to the needs of students making business administration their major subject, and of others who expect to go into some form of business. Thorpe, Solve. *Three hours, each term.*

80a,b,c. *Pre-Legal English*. Spoken and written English designed to meet the needs of law students. The course includes a study of the principles of effective spoken and written composition, with practice in writing and speaking, as specially related to the field of law.

Three hours, each term.

82a,b,c. *Argumentation*. A practical course for debaters.

Three hours, each term.

86. *Public Speaking*. A study of masterpieces. A number of the great representative speeches are examined from the point of view of form, style, and content. Parts of these are used for training in delivery.

Three hours, fall term.

87. *Public Speaking—The Oration*. A study of the oration as a special form of address, together with their preparation and delivery.

Three hours, winter term.

88. *Public Speaking—The Lecture and Other Forms*. The lecture and other forms of public or semi-public address, such as college men and women are constantly called on to make, are here studied. Constant practice in the preparation and delivery of original speeches.

Three hours, spring term.

89a,b,c. *Extempore Speaking*. The selection, organization and presentation of speech material.

Two hours, each term.

WORLD LITERATURE

World Literature is a two-year course intended for sophomores and juniors, though seniors also will be admitted. World Literature may be taken in year units only, but the second year may be elected without the first. The first year proceeds from the beginnings of literature to the end of the renaissance period; the second year will continue to the present.

99a,b,c. *World Literature (First Year)*. Chinese, Japanese, Hindu, Hebrew and Persian Literature. Literature of the Aegean Islands; the Periclean age in Athens; the Greek decadence; the Roman republic and the empire; Celtic and Teutonic mythology; Romantic cycles; Provencal poetry; Dante and Chaucer; The Renaissance in Italy, Spain, France, and England. Consultations with students by groups. Fall term, Howe. Winter and spring terms. Bates.

Two hours, each term.

100a,b,c. *Second Year*. Shakespeare and the English Drama. Milton and Puritanism; French classicism; heroic drama, comedy, satire in England; rise of the novel; literature of the enlightenment; beginnings of romanticism; romantic poetry in England, France, Germany and Russia; the Novel and other prose forms; literature of the United States. Middle and late Victorianism; the Parnassians and Symbolists; Ibsen and the revival of the drama; the recent renaissance of American literature; contemporary fiction and poetry. Fall term, Bates. Winter term, Howe. Spring term, Bates.

Two hours, each term.

UPPER DIVISION WRITTEN ENGLISH

101-102-103. *Advanced Magazine Writing*. A continuation of Course 51. Burgess.

Two hours, each term.

104a,b,c. *Advanced Short Story Writing*. For those students who, on completing Course 53, show sufficient ability to justify further work. Thacher.

Two hours, each term.

107a,b,c. *Authorship*. A course of seminar character, for those students who wish to become professional writers. Thacher.

Two hours, each term.

110a,b,c. *Technique of Playwriting*. Advanced work, based on Course 60. Composition of one-act, two-act, and three-act plays.

Two hours, each term.

115a,b,c. *Technique of Versification*. Advanced work, based on Course 65. Open only to those who have shown some proficiency in verse-writing.

Two hours, each term.

120a,b,c. *Criticism*. Practice in the writing of musical, dramatic, art, and literary criticism.

Two hours, each term.

125a,b,c. *Elements of Style*. Analysis of strongly marked examples of style, and practice in securing typical stylistic effects.

Two hours, each term.

130. *Teaching of English Composition*. Required of all who expect to teach English. Perkins.

Three hours, fall term.

LITERATURE

131. *History of the English Language*. The development of the English language from the Anglo-Saxon period to the present. The historical basis of the English grammar, spelling, pronunciation and usage. Perkins.

133a,b. *Anglo-Saxon*. Grammar and translation of selected passages. Bright's Anglo-Saxon reader will be used in fall term, Wyatt's Beowulf in the winter term. Two years of German is prerequisite for graduate credit. Perkins.

Three hours, fall and winter term.

135. *Chaucer*. As much of Chaucer's work is read as time permits, with careful attention to his sources, poetical forms, pronunciation, and grammar. Perkins.

Three hours, spring term.

140-141-142. *Contemporary American Prose*. From the rise of realism and neo-romanticism to the present. Burgess.

Three hours, each term.

143-144-145. *Contemporary American Poetry*. Fall term, Whitman and his contemporaries; winter, transition writers; spring, the new poetry: Frost, Masters, Amy Lowell, Pound, Sandburg, Lindsay. Burgess.

Two hours, each term.

150. *The Romantic Poets*. Scott, Coleridge, Southey, Wordsworth, Byron, Shelley, Keats, Hunt, Landor. Solve.

Three hours, fall term.

151. *The Victorian Poets*. Tennyson, Browning, Barrett-Browning, Rossetti, William Morris, Swinburne, Matthew Arnold, W. E. Henley. Solve.

Three hours, winter term.

152. *The Classic Poets*. Dryden, Pope, and their respective contemporaries, to Samuel Johnson. Perkins.

Three hours, spring term.

154. *Browning*. The Ring and the Book, and the important shorter poems. The aim is to give the student facility in reading Browning, and to acquaint him with the author's work. Solve.

Three hours, spring term.

155. *Shelley*. His most important works are read, with attention to the author's significance as thinker and as poet. Howe.

Three hours, spring term.

160-161-162. *Living Writers*. Kipling, Bernard Shaw, H. G. Wells, Arnold Bennett, Galsworthy, Chesterton, Gordon Bottomley, Dunsany, Kaye-Smith, May Sinclair, and others as they appear. Howe.

Four hours, each term.

163-164-165. *Contemporary European Literature*. This course covers European literature of the last fifty years, with special emphasis on Ibsen and the Russians. Howe.

Three hours, each term.

170a,b,c. *History of English Literature*. Fall and winter, Norma Solve, spring, Perkins. Planned for honor candidates, intending teachers, and graduate students.

Three hours, each term.

175. *Teaching of English Literature*. Lectures, papers, and conferences. Solve.

Five hours, spring term.

185-186-187. *The English Novel*. From Richardson and Fielding to the present. Watson.

Three hours, each term.

GRADUATE DIVISION

201. *Survey of the English Critics*. Required of candidates for the master's degree who major in English. Howe.

Three hours, each term.

205. *Seminar*. Grouped research problems. Howe.

Three hours, spring term.

210. *Philosophical Foundations of English Literature*. Bacon, Hobbes, Locke, Berkeley, Hume, the deists, the economists, the evolutionists, the utilitarians, and the pragmatists. Watson.

Three hours, each term.

PRE-LIBRARY

The University of Oregon does not at the present time (exception in the summer session) offer courses in library training. Those planning to become librarians should, however, have a broad general education in addition to the technical training for the largest success in librarianship. For students planning to take a library school course after leaving the University, the following curriculum will be suggestive and give an adequate preparation for the specialized library training.

The well qualified librarian should have a reading knowledge of Latin and French and one other European language. If French is presented for entrance, Latin should be taken in the first three years of the course, with the second foreign language for the last two years.

The use of the typewriter by the touch system should be learned, preferably in high school, by all persons planning to go into library work.

COURSE OF STUDY FOR PRE-LIBRARY TRAINING

FRESHMAN	Fall	Winter	Spring
English Outlines	4	4	4
First year French (or other language)	4	4	4
Animal Biology or Botany	4	4	4
English History or elective	3	3	3
Art Appreciation	1	1	1
Physical Education	1	1	1
	17	17	17
SOPHOMORE			
Second year French	4	4	4
American Literature or literature elective	3	3	3
World History	3	3	3
World Literature	2	2	2
Principles of Economics	4	4	
Essentials of Geology			4
Physical Education	1	1	1
	17	17	17

GEOLOGY

JUNIOR	Fall	Winter	Spring
Second Foreign Language	4	4	4
French Literature, or Education 51, 52, 53, or elective	3	3	3
World History	3	3	3
World Literature	2	2	2
Psychology or Physics	3-4	3-4	3-4
Written English	2	2	2
	17	17	17
SENIOR			
Principles of Sociology	5	5	
Introduction to Philosophy			3
Chemistry and Its Relationships			2
Second Foreign Language	4	4	4
English Literature	3	3	3
Contemporary Civilization	3	3	3
Extempore Speaking or elective	2	2	2
	17	17	17

FINE ARTS

For courses in this department, see School of Architecture and Allied Arts.

FRENCH

See Romance Languages

GEOLOGY

Professors SMITH, PACKARD, HODGE
Graduate Assistant, Mr. SCHENCK

The course of study in geology is intended for students desiring to specialize in (1) economic geography and physiography, (2) economic geology, and (3) paleontology; for students desiring geology as a service course looking to the teaching of general science; and for majors in other departments of pure science who need a knowledge of certain geological branches, geology having a wide range of applications.

COURSES OF STUDY FOR MAJOR STUDENTS IN GEOLOGY

FRESHMAN	Fall	Winter	Spring
General Geology, including Historical Geology in spring term	4	4	4
Mathematics (Advanced Algebra, Analytical Geometry, and Trigonometry)	4	4	4
Elementary Chemistry	4	4	4
Social Science elective	3	3	3
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
	17	17	17
SOPHOMORE			
Mineralogy	4	4	4
General Physics, or Animal Biology	4	4	4
Written English	3	3	3
Military Science (men)	1	1	1
Physical Education	1	1	1
	16-17	16-17	16-17
JUNIOR			
Structural Geology	3		
Lithology		3	
Principals of Stratigraphy			3
Physiology, or Descriptive Geometry and Architecture 62a,b	2-3	2-3	2-3
Foreign Language (continuation)	3-4	3-4	3-4
Electives, Education (for those intending to teach) Physi-ography, Geography, etc.	4-7	4-7	4-7
	16-17	16-17	16-17

For Geology Specials:		Fall	Winter	Spring
SENIOR				
Economic Geology:				
Non-metallic		4		4
Metallic Ore Deposits (102b,c) or Mineral Deposits (106)			4	4
Petrography		4	4	4
Applied Geology		3	3	3
Geology Electives		3-4	3-4	3-4
Electives (Education for those intending to teach)		4	4	4
Seminar		1	1	1
		15-16	15-16	15-16
For Paleontology Specials				
Elementary Paleontology (108)		4		
Invertebrate Paleontology			4	
Tertiary Faunas (118) or Mesozoic Faunas (119)				4
Geologic History of North America (120)		3		
Geologic History of Pacific Coast (121)			3	
Geologic History of Pacific Countries (122)				3
Seminar		1	1	1
Electives (Education for those intending to teach)		8	8	8
		16	16	16
For Geography Specials (Junior and Senior)				
Geologic History of Man (8)		3		
Advanced Physiography (104)				3
Geography of Pacific (128)			3	
Advanced Geography (246)		3	3	3
Seminar		1	1	1
Electives (Education for those intending to teach)		8-9	8-9	8-9
		16-17	16-17	16-17

DESCRIPTION OF COURSES LOWER DIVISION

1a,b. *General Geology*. An elementary course dealing with those processes of nature by which the surface of the earth has been built up, deformed, or torn down. A study of the natural history and occurrence of the common rocks and useful minerals. Three lectures and one laboratory or field period. Packard. *Four hours, fall and winter terms.*

2. *Historical Geology*. An outline of the geological history of the earth, with special reference to the development of the North American continent. Prerequisites Geology 1a,b, or 3, or 9, or a satisfactory course in high school physiography. Three lectures and one laboratory or field period. Packard. *Four hours, spring term.*

3. *Essentials of Geology*. An intensive course in general geology. Lectures cover general discussion of composition and structure of the earth, forces in changing the earth's structure, composition and surface features; and a brief history of the earth. One or more field trips. Three lectures and several laboratory periods. Hodge. *Four hours, spring term.*

4-5-6. *General Geology*. (Given in the Portland center). An outline of the subject. First term, general principles, processes and their results; special emphasis will be laid upon the application to present day problems in engineering, agriculture, etc. Second term, economic geology; a condensed systematic survey of the principal mineral deposits of economic importance, with emphasis upon those occurring on the Pacific coast. Third term, historical geology; a study of the geologic formations from the pre-Cambrian to the present with emphasis upon the formations and geologic events of the Pacific region. One two-hour lecture and recitation period each week, and occasional field trips and laboratory assignments in connection with special topics. Smith. *Two hours, each term.*

9. *Development and History of Life*. A brief discussion of the origin of life upon the earth and an outline of the history of life as revealed by the fossil remains of animals and plants. Packard. *Three hours, winter term.*

11-12-13. *Geography*. (a) Physical; (b) Economic; (c) Regional. A general service course offered as an introduction to the general field of geography. Three lectures and one laboratory. Smith. *Four hours, each term.*

15. *Crystallography*. Designed for chemists, biologists, and pre-engineers and all others whose work involves an investigation or knowledge of those compounds recognized most readily by their crystal form or crystalline properties. Two lectures and two laboratory periods. Hodge. *Four hours, fall term.*

17a,b,c. *Mineralogy*. Lectures covering a description of 120 of the most common minerals, a discussion of their occurrence in nature, their industrial uses, and distribution over the world; combinations of minerals which form rocks. Laboratory work involves a study of the physical and chemical methods used in the identification of minerals and practice in determining unknown minerals. Prerequisite, general chemistry. Two lectures and two laboratory periods. Hodge. *Four hours, each term.*

UPPER DIVISION

101. *Structural Geology*. Study of origin, interpretation and mapping of minor rock structures and of joints, faults, and folds. Prerequisites: 1a,b, or 3, and 111. Two lectures and one laboratory or field period. Smith. *Three hours, fall term.*

102a. *Non-metallic Geology*. The geology, uses, and economics of the non-metallic minerals. Coal, oil, building stones, road materials, and fertilizers are stressed. Prerequisites, general geology, mineralogy and stratigraphy. Three lectures and one laboratory. Hodge. (Not given 1923-24) *Four hours, fall term.*

102b,c. *Metallic Ore Deposits*. The origin, occurrence, and conservation of the metallic ores. Methods of prospecting, developing, and mining briefly treated. Prerequisite 102a. Three lectures and one laboratory or field period. Hodge. *Four hours, winter and spring term.*

103. *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. Prerequisites: general geology and stratigraphy. Three lectures; field trips. Hodge. *Three hours, fall term.*

104. *Physiography*. An advanced course with special emphasis upon the physiography of the United States, and interpretation of the historical and economic development of the various natural regions of the United States. Open only to upper division students who have had a course in general geology. Two lectures and laboratory. Smith. *Three hours spring term.*

105. *Mineral Deposits*. An intensive course covering essential points of the geologic occurrence, origin, exploitation and economic role of the most important mineral deposits. Three lectures and one laboratory period. Smith. *Four hours, winter term.*

106a,b,c. *Petrography*. The theory of and practice in the use of the petrographic microscope, and an introduction to the texture, structures, and minerals displayed in sliced rocks. Origin, occurrence, association, and uses of the igneous, sedimentary, and metamorphic rocks. Laboratory training in identification, description, and interpretation of rocks. The genesis and field interpretation of sedimentary rocks taken up only briefly. Metamorphism discussed in detail. Prerequisites, 1a,b, or 3, and 17a,b,c. Two lectures and two laboratory periods. Hodge.

Four hours each term.

108a. *Elementary Paleontology*. Laboratory and lecture study of the main groups of recent invertebrates and comparison with fossil specimens. Two laboratory and two lecture periods a week. Packard.

Four hours, fall term.

108b. *Invertebrate Paleontology*. Laboratory and lecture study of the most important genera of the invertebrates, with special reference to the characteristic West Coast types. Prerequisite, 108a. Packard.

Four hours, winter term.

109. *Vertebrate Paleontology*. Study of the osteology and evolutionary history of a few selected groups of vertebrates. Prerequisite, Zoology 1c.

Three hours, spring term.

111. *Principles of Stratigraphy*. The genesis and subsequent history of stratified rocks, including a study of the geologic processes concerned with sedimentation, cementation, diastrophism, and weathering; and the consideration of methods of entombment of organic remains and their significance in geologic correlations. Prerequisites, Geology 1a,b, or 3, and 17a,b,c. Packard.

Three hours, spring term.

113. *Coal*. Origin, occurrence, distribution, structure, prospecting, mining, economics and conservation of coal. Prerequisites, Geology 101 and 111. Lectures and field trips. Hodge or Smith.

Three hours, fall term.

115. *Lithology*. Lecture and laboratory course in the identification and uses of common rocks. Prerequisites, Geology 1a,b, or 3, and 17a,b,c. Hodge.

118. *Tertiary Faunas*. A study of the faunal aspects of the principal West Coast horizons, and the determination of characteristic index fossils. Two lectures and two laboratory periods. Prerequisites: stratigraphy and paleontology. Packard.

Four hours, spring term.

119. *Mesozoic Faunas*. A consideration of the character, migrations, and successions of the Mesozoic West Coast faunas, including a laboratory study of typical species from the various horizons. Two lectures and two laboratory periods. Prerequisites: stratigraphy and paleontology. Packard.

Four hours, spring term.

120. *Geologic History of North America*. The geologic development of the North American continent. Prerequisite, 111. Packard.

Three hours, fall term.

121. *Geologic History of the Pacific Coast*. The geologic history of the Pacific Coast of North America. Prerequisite: stratigraphy and paleontology. Packard.

Three hours, winter term.

122. *Geologic History of Pacific Countries*. A study of the broad problems of the Pacific region as a whole and of the countries bordering thereon, with special reference to the islands and the Far East. Prerequisites, 1a,b, and 121. Smith.

Three hours, spring term.

123. *Regional Geology*. Lectures and reading with discussions on the geology of continents and regions other than North America. This course will alternate with 122. Prerequisites, 1a,b, or 3, and 111. Smith.

Three hours, spring term.

128. *The Geography of the Pacific*. An intensive study of the Pacific region, the physical geography and natural resources, with some attention given to the outstanding social, economic and political questions as influenced by the physical background of the more important countries bordering this ocean. Two-hour lecture, discussion, and collateral reading. Given in Portland 1923-24, Eugene, 1924-25. Smith.

Two hours, winter term.

130. *Geologic History of Man*. A study of the physical and cultural development of the ancient types of men, as shown by their fossil remains, their implements and art. Packard.

Three hours, fall term.

This course may be taken as the first term of either of two year sequences. It may be combined with History of Life (Geology 9) and Historical Geology (Geology 2) for a geological year group; or with Ethnology (Psychology 131) and Social Anthropology (Psychology 132) to form an anthropological group.

140. *Principles of Assaying*. Principles of fire assaying, practice in, and the determination of the precious and non-precious metals. Hodge or Smith. (Given 1923 and every alternate year thereafter).

Two or four hours, spring term.

146. *Applied Geology*. The application of geology to irrigation, drainage, river control, harbor improvement, road building, foundation and location of bridges, to buildings, reclamation of waste land, artesian water, water power, tunnels, aqueducts, canals, and all work which depends for its success upon an understanding of the earth's structure and its activities. Prerequisites: general and dynamic geology and mineralogy. Courses 101, 106, or 115 and 111 should precede or accompany this course. Three lectures and several field trips. Hodge.

Three hours, each term.

170. *Advanced Field Geology*. A general course in geologic mapping and surveying methods and in intensive study of a small area so chosen as to include a wide range of special problems. This work is conducted in a summer camp of four weeks. The course may be taken with full credit for a series of summers, since a different area is studied each season. Staff.

Seven 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. Staff.

One hour, each term.

202. *Advanced Geology*. Special work assigned to meet the requirements of advanced students. Staff.

208. *Advanced Paleontology*. Special work assigned to meet the requirements of the advanced student. Packard.

244. *Advanced Mineralogy.* An advanced study of the physical and chemical properties of minerals including many of the rare minerals. Micro-chemical and optical methods will receive special attention. Prerequisite: 106. One lecture and two laboratory periods. Hodge.

Three hours, fall term.

245. *Opaque Minerals, Metals, and Ores.* Lectures on the formation of minerals, metals, and ores and laboratory practice in technique of preparation of material, identification, and interpretation. Prerequisite: 244. One lecture and two laboratory periods. Hodge.

Three hours, winter term.

246. *Advanced Geography.* Research in the physical and economic geography of Oregon and closely related Northwest regions. The investigations will consist largely in intensive studies of the various physiographic regions of Oregon. Prerequisites: general geology and physiography. Special work assigned to meet the needs of individual students. Smith.

GERMANIC LANGUAGES AND LITERATURE

Professors SCHMIDT, THORSTENBERG; Graduate Assistant, MRS. CLARKE

COURSE OF STUDY FOR MAJOR STUDENTS IN GERMAN

FRESHMAN	Fall	Winter	Spring
German	4	4	4
Science (laboratory)	4	4	4
Modern Governments or History	3-4	3-4	3-4
Outlines of English Literature	4	4	4
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
	17	17	17
SOPHOMORE			
German (continuation)	3-4	3-4	3-4
Second language—Latin, Scandinavian or Romance	3-4	3-4	3-4
History or Economics	4	4	4
Military Science (men)	1	1	1
Physical Education	1	1	1
Education 51, 52, 53, or elective	2-4	2-4	2-4
	15-17	15-17	15-17
JUNIOR			
German (continuation)	2-3	2-3	2-3
Additional courses in German	3	3	3
Second language—Latin, Scandinavian or Romance	3-4	3-4	3-4
Philosophy, Psychology, or English	3	3	3
Education, Sociology or elective	4-5	4-5	4-5
	15-18	15-18	15-18
SENIOR			
Advanced courses in German	5-6	5-6	5-6
Second language (continuation of previous two years)	3	3	3
Electives (advanced courses in philosophy, education, or literature recommended)	7-8	7-8	7-8
	15-17	15-17	15-17

DESCRIPTION OF COURSES

LOWER DIVISION

1a,b,c. *Elementary German.* The elementary course comprises: Vos's Essentials of German (Henry Holt), latest edition; and Huss's German Reader (D. C. Heath); German composition, translation of easy prose and poetry. Schmidt, Thorstenberg.

Four hours, each term.

3a,b,c. *Second Year German.* Grammar, composition and conversation. Translation of standard German authors. Prerequisite, one year of college or two years of high school German. Schmidt, Thorstenberg.

Four hours, each term.

4a,b,c. *Scientific German.* Recommended to students in science or medicine. Students desiring to enter this course should consult the instructor. Thorstenberg.

Three hours, each term.

UPPER DIVISION

101a,b,c. *Classical German.* Open to students who have had two years of German. Some works of Goethe, Schiller, Lessing, Kleist, Grillparzer, will be read. Prerequisite, two years of college German. Schmidt.

Three hours each term.

102-103-104. *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. Schmidt.

Three hours, each term.

105-106-107. *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.

Three hours, each term.

114. *German Poetry.* Poems of Goethe, Schiller, Uhland, etc., will be read.

Three hours, spring term.

115. *Goethe's Faust.* Part I with commentary. Schmidt.

Three hours, winter term.

116. *Goethe's Faust.* Part II with commentary.

Three hours, spring term.

117. *Heine.* Prose works.

Three hours, fall or winter term.

118. *Historical and Philosophical German.* The rapid translation of historical, philosophical and economic German.

Two hours, spring term.

130. *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 foreign languages. Schmidt.

Three hours, spring or fall term.

131a,b,c. *Advanced German Composition.* Required of all students who wish to teach German.

Two hours, each term.

132a,b,c. *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.

133-134-135. *History of German Literature.* Lectures in English. Outside reading and papers on assigned topics. No German required. Schmidt.

Two hours, each term.

141-142-143. *The Nineteenth Century Novel.* Representative works of Freytag, Keller, Meyer, Sudermann, Frenssen, Storm, Riehl, Heyse, Scheffel, Ludwig, Dahn, Ganghofer, Rosegger, Auerbach, Ebner-Eschenbach, Spielhagen, etc. will be included in the course.

GRADUATE DIVISION

201a,b. *Middle High German*. Michels, *Mittelhochdeutsche Grammatik*, 1910; Henrici, *Proben der Dichtungen des Mittelalters*, Berlin, 1898; selections from *Nibelungenlied*; Walter von der Vogelweide, *Parzival*; Lexer, *Mittelhochdeutsches Taschen-Wörterbuch*. *Three hours, two terms.*

202a,b. *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*.

203a,b. *Gothic and the Elements of Comparative German Grammar*. Braune, *Gotische Grammatik*, latest edition (1920). Heyne's *Ulfilas*, 9. Auflage, von F. Wrede, Paderborn, 1896; Streitberg's *Urgermanische Grammatik*. This course is required for advanced degrees in English Philology.

204a,b,c. *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 Viator's *Kleine Phonetik* (London, J. M. Dent & Co., 1913); *Kleines Lesebuch in Lautschrift von Viator*; Sweet, *A Primer of Phonetics* (Oxford, Clarendon Press, 1890); lectures.

Two hours, one term.

206a,b,c. *Seminar in German Literature and Philology*. Aiming to impart the principles and methods of investigation.

Three hours each term.

SCANDINAVIAN LANGUAGE AND LITERATURE

LOWER DIVISION

21a,b,c. *Elementary Norwegian (Dano-Norwegian)*. Principles of grammar and the reading of easy prose. The texts used comprise Holvik's *Beginner's Book in Norse* and *Second Book in Norse*; Bjoernson's *Synnoeve Solbakken*, or *En glad Gut*; Kielland's *Novelletter*. No credit for less than three terms' work. Thorstenberg. *Three hours, each term.*

31a,b,c. *Elementary Swedish*. Principles of grammar and the reading of easy prose. The texts used comprise: Elmquist's *Swedish Grammar*, or Vickner's *Swedish Grammar*; Lagerloef's *En Herrgardssaegen*; Geijerstam's *Mina Pojkar*; Nyblom's *Dettringer*, etc. No credit for less than three terms' work. Thorstenberg. *Three hours, each term.*

UPPER DIVISION

123-124-125. *Scandinavian Literature* (Conducted in English). Works of Bjornson, Ibsen, Lie, Kielland, Tegner, Rydberg, Lagerloef, Strindberg, etc., in standard translations. Supplementray lectures on the history of the literature. Thorstenberg. *Three hours, each term.*

126a,b,c; 136a,b,c. *Advanced Norwegian or Swedish*. Study of works, in the original, of representative Scandinavian authors, supplemented by advanced prose composition and conversation. Thorstenberg.

Three hours, each term.

GRADUATE DIVISION

222. *Old Icelandic*. Noreen's *Altislaendische* and *Alt Norwegische Grammatik* is used. Thorstenberg.

GREEK

Dean STRAUB; Professor H. A. CLARK

As Greek is rarely offered in any of the accredited preparatory institutions of this state, and is not included in the high school course of study, it is necessary to offer beginning Greek in the University. In consequence, the drill in Greek grammar is emphasized during the first two years. Students are not advised to take Greek who do not propose continuing it until they have an easy reading knowledge of such prose writers as Thucydides and Herodotus. Majors in Greek are required to have a minimum of 54 term hours of courses in the original. On account of the demand for Greek from students of a theological school in Eugene, several courses in New Testament Greek are offered.

DESCRIPTION OF COURSES

LOWER DIVISION

1a,b,c. *Beginning Greek*. Gleason's *Greek Primer*; Goodwin's *Greek Grammar*; The *Anabasis of Xenophon* (Harper and Wallace), Books I and II. Students must take all three terms to receive credit.

Four hours, each term.

50a,b,c. *Xenophon, Homer, and Greek Grammar*. Xenophon's *Anabasis*, Books III, IV, and V; Homer's *Iliad*, Books I, II, III and VI, with readings on the lives and customs of the Homeric period. Thorough knowledge of Greek grammar will be considered necessary to proper translation. Major students should also take 51a,b,c.

Three hours, each term.

51a,b,c. *Greek Grammar, Greek Prose and Greek Sight Translation*. Completion and review of Goodwin's *Greek grammar*; continuous practice in Greek prose composition (Jones); easy sight translation.

Two hours, each term.

UPPER DIVISION

100a,b,c. *Xenophon and Greek Testament*. Xenophon, Book VI; Matthew, Mark, Luke and John; selections from the Septuagint; review of Greek grammar and general study of Hellenistic Greek. This course is intended primarily for students in preparation for the ministry, but is elective for other students in Greek. Students are expected to have had 1a,b,c, 50a,b,c, and 51a,b,c or their full equivalent. Texts: Westcott and Hort's *Greek New Testament*; Conybeare and Stalk's *Selections from the Septuagint* (Ginn and Co.).

Four hours each term.

101a,b,c. *Homer, Thucydides, and Herodotus*. Homer, *Odyssey*, three books; Thucydides, Books I, II and III; Herodotus, Books VII, VIII and IX; review of Greek grammar; readings on the periods of Greek history covered in the original.

Three hours each term.

102a,b,c. *Euripides, Aristophanes, Sophocles*. Euripides, *Bacchae*; Aristophanes, *The Wasps*; Sophocles, *The Antigone*; study of Greek comedy and Greek tragedy of the periods covered in the original. Any good text acceptable. Review of Greek grammar.

Two hours, each term.

103a,b,c. *Greek Mythology, Art, Life and Literature*. This course is elective by majors or non-majors, and is intended to give an insight into the religion, habits and civilization of the Greeks. Texts and readings to be prescribed. Greek majors who elect this course should elect it only in conjunction with a course in original Greek. *Two hours, each term.*

150a,b,c. *Plato and Aristotle*. Plato, *The Republic*, Books I to X; Aristotle, *Ethics*, Books I to IV and Book X, chapters 5 to 9. Brief outline of Greek philosophy of the period; students are advised, however, to elect also the course in history of philosophy in the department of philosophy. *Three hours, each term.*

151a,b,c. *Advanced Greek Prose Composition, Sight Translation and Selected Readings*. Passages will be assigned for sight translation from Plato, Herodotus, Plutarch and Demosthenes. Selected readings from Plato, Thucydides. Demosthenes and Aeschylus. *Two hours, each term.*

GRADUATE DIVISION

200a,b,c. *Pindar, Theocritus and Aeschylus*. Pindar, *Olympian and Pythian Odes*; Theocritus, *Idylls and Epigrams*; Aeschylus, *Prometheus Bound and Agamemnon*; study of Greek elegiac, iambic and lyric poetry. *Three hours, each term.*

201a,b,c. *Plato*. Plato, *The Dialogues*. An extended reading of the dialogues with a study of their philosophical import.

202a,b,c. *The Greek Drama*. A reading of numerous plays in the original is expected, and is incidental to a detailed study of the rise, development and genius of the Greek drama.

203a,b,c. *The Greek Historians*. Students will be expected to know the original throughout of Xenophon, Thucydides and Herodotus. This is essentially a study of Greek history through the documents provided by the Greeks themselves.

HISTORY

Professors R. C. CLARK, SHELDON, W. C. BARNES
Assistant Professors DONALD BARNES, ANDREW FISH

The lower division courses, Modern Europe, and the courses in English history, designed for those majoring or minoring in history, are specifically introductory to advanced work in the department and give definite historical training for it. Students should take one of these courses before attempting advanced work.

The two-year course in world history, together with the complementary course in world literature (see English department), especially if taken side by side, give a broad view of the achievements of the human race and should help the student to discover the direction of his interests and abilities. World history, therefore is designed as a cultural course for students at large, rather than for students having a special interest in history. Senior history majors may well visit the lectures as a review of their college history courses.

Prospective teachers seeking a recommendation to teach history in the high school must take at least three full year courses in the department and their work should cover European and American history.

COURSE OF STUDY FOR MAJOR STUDENTS IN HISTORY

	FRESHMAN	Fall	Winter	Spring
Modern European or English History	4	4	4	
Elementary or second-year Language	4	4	4	
Military Science (men) or Personal Hygiene (women)	1	1	1	1
Physical Education	1	1	1	1
Elective or Norm	6-7	6-7	6-7	
	17	17	17	
	SOPHOMORE	Fall	Winter	Spring
American History	4	4	4	
Foreign Language (continuation of first year)	3-4	3-4	3-4	
Psychology (with laboratory)	4	4	4	
Principles of Economics	4	4	4	
Education 51				3
Military Science (men)	1	1	1	1
Physical Education	1	1	1	1
	17-18	17-18	17-18	
	JUNIOR	Fall	Winter	Spring
Written English	2	2	2	
Two History courses	6	6	6	
Modern Governments	4	4	4	
Education 52, 53, 106 (for teachers) or electives in minor subject or Norm	3-4	3-4	3-4	
	15-16	15-16	15-16	
	SENIOR	Fall	Winter	Spring
History courses	6	6	6	
Education (for teachers) and electives in minor subject or general electives	9-11	9-11	9-11	
	15-17	15-17	15-17	

Electives suggested as allied to history: sociology; English literature; world literature; organic evolution (zoology); history of philosophy; of art; philosophy of history; economic geography; geologic history of man.

DESCRIPTION OF COURSES

LOWER DIVISION

1a,b,c. *World History to the Later Middle Ages*. A comprehensive and continuous story of the evolution of civilization from the earliest man to the present day, covering all the main lines of human thought and activity in the past. This course is open to students above freshman standing, but is specially designed for sophomores and juniors who are not majoring in history. This course may be elected only in year units. Lectures, quizzes, and text books. Sheldon, Fish. *Three hours, each term.*

2a,b,c. *World History From Later Middle Ages to Present*. Continuation of the above. Subject to same limitations and qualifications. May be taken with or without 1a,b,c. Lectures, quizzes, and text book. Sheldon, Fish. *Three hours, each term.*

41-42-43. *Modern Europe*. The history of Europe from the death of Louis XIV to the present. Treats of the Old Regime, the spirit of reform, the French revolution, the nineteenth century struggles for nationality and democracy, the colonial expansion of Europe, the World War and the problems of peace. Economic, social, intellectual and religious factors will be included. Open to freshmen. May be entered the second term by permission of the instructor, but credit is not given for less than two consecutive terms. Walter Barnes. *Four hours, each term.*

51. *Europe of the Last Fifty Years*. The domestic conditions and the socialist movements of the leading countries, the colonial expansion of Europe, the World War and the problems of peace. Designed for students who can find time for only one term of history. Open to freshmen. Walter Barnes. *Five hours, spring term.*

61-62-63. *England and the British Empire*. General survey of English History covering the political and constitutional, the economic and social, the intellectual and religious lines of development. The third term will include a sketch of the growth of the empire. In their collateral reading, students may specialize on the literary, the constitutional, or the economic and political aspects. Open to freshmen. May be entered second term by permission of the instructor, but no credit is given for less than two terms. Donald Barnes. *Four hours, each term.*

64-65-66. *English History*. A shorter course in the history of England. No credit is given for less than two terms. Donald Barnes. *Three hours, each term.*

71-72-73. *American History*. The story of expansion of Europe in America, the struggle for independence of the American Colonies, establishment of a national government, and the history of the United States since 1787. Open to sophomores. No credit less than two terms. Clark. *Four hours, each term.*

UPPER DIVISION

101-102-103. *The History of History*. A study of the greatest historians of the past as they show the development of the art of writing history. Prerequisite, two years of history. Fish. *Two hours, each term.*

104. *The Teaching of History*. A course designed for major students and others who are preparing to teach history in high schools. Clark. *Three hours, fall term.*

111-112. *Ancient History*. History of Greece, during the fall term; history of Rome, winter term. Special attention will be given to the social, economic, and intellectual forces behind the political movements, and to the development of the Roman system of government. (Not given 1923-1924). *Four hours, fall and winter terms.*

121. *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. (Not given 1923-1924). *Four hours, spring term.*

131-132-133. *The Growth of the National Monarchies*. First term, the Renaissance; second term, the Reformation, and the Religious Wars; third term, Louis XIV and the Eighteenth Century. This course traces the development from the medieval period of the independent states, and their rivalry in war, colonial expansion, commerce, culture and religion from the beginning of the Renaissance to the eve of the French Revolution. *Three hours, each term.*

142a,b,c. *The Intellectual History of Modern Europe*. A study of the development of ideas among the intellectual classes of western Europe since the religious wars. Prerequisite, modern European history. Not given 1923-24. Walter Barnes. *Three hours, each term.*

143. *The French Revolution*. An advanced study of the Revolution, beginning with the calling of the Estates General. Prerequisites, 41 and two years of French. Walter Barnes. (Not given 1923-1924). *Three hours, one term.*

144. *Colonization*. A brief sketch of the successive colonial policies of Europe, and of the influence of the colonial empires upon the mother countries, from the commercial revolution to the present. Prerequisite, English or modern European history. Not given in 1923-24. Walter Barnes. *Three hours, fall term.*

145. *Foundations of Modern Democracy*. A study of the conditions and the theories upon which general male suffrage was introduced in England, Germany and France in the sixties and the seventies. Prerequisite, English or modern European history. Not given in 1923-24. Walter Barnes. *Three hours, winter term.*

146. *The Russian Revolutionary Movement*. A survey of the old regime in Russia, the work of the reformers, the rise of industry, the successive revolutions and the main features of the bolshevik regime. Prerequisite, modern European history. Not given in 1923-24. Walter Barnes. *Two hours, spring term.*

162a,b. *English Constitutional History*. A study of the development of the leading features of the English constitution and the influences that have made the English government what it is today. The growth of kingship, parliament, courts, local institutions, and the changing character and functions of each will be considered. Prerequisite English history, high school or college, or junior standing. Clark. (Not given 1923-1924). *Three hours, fall and winter terms.*

171-172-173. *American History*. Same as 71-72-73, with additional reading for upper division credit. Clark. *Four hours, each term.*

174-175. *American Foreign Relations*. A history of the relations of the United States with other powers and the development of American foreign policies. Clark. *Three hours, fall and winter terms.*

176-177-178. *History of Civilization in the United States*. This course covers the following topics: the development of social classes, newspapers, magazines, science, philosophy, literature, religion, cities, ethical standards, education and economic expansion in their interrelations. Lectures, quizzes, and assigned readings. Sheldon. *Two hours, each term.*

179. *The Trans-Mississippi West*. Exploration, settlement, and development of the region of the United States lying west of Mississippi river, with emphasis on Pacific Northwest. *Three hours, winter term.*

181. *Latin American History*. A study of the history, together with political, social, and economic conditions of the "other Americas." Not given 1923-24. *Three hours, spring term.*

191-192-193. *Asia and the Pacific*. This course deals with the influence of western Europe on Asia, Australasia, and the islands of the Pacific. The first term covers India and the islands; the second, Australia and New Zealand; the third, China and Japan. Donald Barnes. *Three hours, each term.*

GRADUATE DIVISION

241a,b. *Forerunners of the French Revolution*. A source study of the influence of the leading eighteenth century writers upon the ideas of the French revolutionists. Prerequisite, two years of French and modern European history. Walter Barnes. *Two hours, fall and winter terms.*

261a,b,c. *Problems in English Economic History*. A study from sources and secondary works of certain phases of English economic history from 1750 to 1850. (See School of Education, 206a,b,c.) Donald Barnes. *Two hours, each term.*

276a,b,c. *Seminar in Oregon History*. A detailed study largely from the sources, of the building of civilization in the western portion of the United States, particularly in Oregon and the Northwest. For history seniors as an equivalent of the thesis requirement and for graduate students. Clark. *Two hours, each term.*

HOUSEHOLD ARTS

Professor TINGLE; Mrs. DATSON, Miss HAUCK, Miss PATTISON

Pursuant to a ruling of the board of higher curricula, the work in household arts does not constitute a major department, but offers service work for students whose special line of interest lies in the college or the professional schools. For such students certain home-making groups of courses have been arranged with specialization allowed either on food or the clothing option. A typical sequence running either for two or three years, depending on the previous preparation of the student, follows:

THREE YEAR SEQUENCE IN FOODS

SOPHOMORE		Fall	Winter	Spring
Elementary Foods 5a,b,c	.....	3	3	3
JUNIOR				
Sanitation (Botany 11)	.....	3		
Food Economics	.....		3	
Home Nursing	.....			3
SENIOR				
Care of Children	.....	3		
Household Management	.....		3	3

Students who have a chemistry prerequisite and some knowledge of cooking can complete the sequence in two years under the following schedule:

TWO YEAR SEQUENCE IN FOODS

SOPHOMORE OR JUNIOR		Fall	Winter	Spring
Foods 15-16	.....	3	3	
Home Nursing, or Home Nursing with Cooking for Sick	.....			3-4
JUNIOR OR SENIOR				
Care of Children	.....	3		
Household Management	.....		3	3

The head of the household arts department may be chosen by students as adviser, but the major requirement must be fulfilled in some other department.

A combined course in business administration and household arts has been arranged by the department and the School of Business Administration, and may be found under the heading of the school.

DESCRIPTION OF COURSES

LOWER DIVISION

CLOTHING GROUP

1a,b,c. *Elementary Clothing*. Study of material, design and costs. Principles of construction. Making of type garments. Study of the clothing budget. Open to freshmen, but no credit allowed for those who have had high school courses in sewing. Hauck. *Three hours, each term.*

11-12. *Clothing*. Economics of clothing; line and color in dress; renovation of materials; problems in garment making. For those who have had previous instruction in sewing and garment making. Will satisfy group requirement when taken with course 31 or 13 as advised by the head of the department. Open to freshmen, but not to those who have had 1a,b,c. *Three hours, winter and spring term.*

13. *Clothing Problems*. Special problems in clothing. Prerequisite 11, 12 or equivalent and consent of instructor. Hauck. *Three hours, spring term.*

31. *Elementary Textiles*. Identification of fibers. Microscopic study of fibers. Physical and chemical tests, economic features of textile industry. Hauck. *Three hours, fall term.*

95a,b,c. *Design and Color in Clothing*. Illustrated lectures on appreciation of beauty of line, dark and light, and color in costume. The adaptation of designs to the individual. The proper use of the fashion magazine. Textures and fabrics from standpoint of harmonious combination and suitability to person and occasion. The psychology and history of dress briefly outlined. One lecture, one laboratory. Avakian. *One hour, each term.*

FOOD GROUP

5a,b,c. *Elementary Food*. This course includes a general survey of the elementary problems of cookery, the planning and serving of meals, study of food materials and food values, and purchase of food materials. Prerequisite chemistry (high school or college). Not open to freshmen, and no credit allowed for those who have had high school courses in foods. Tingle and Pattison. *Three hours, each term.*

15-16. *Foods*. Study of foods and methods of food preparation with special reference to technique and temperatures. Time and cost studies in connection with the planning and serving of meals. Will satisfy group requirement if taken in sequence with course 25, Food Economics. Tingle. *Three hours, any term.*

17. *Foods*. Special practical problems for qualified students. Prerequisite, consent of instructor. Tingle. *Three hours, any term.*

25. *Elementary Food Economics*. This is an elementary course designed for students who cannot take all prerequisites for the course in Nutrition. It includes a discussion of the functions and nutritive values of foods and the selection of food to meet individual and group needs. Tingle. *Three hours, any term.*

35. *Home Nursing*. Emergencies, first aid and home care of the sick or convalescent. Prerequisite, sanitation, botany and food economics. Pattison. *Three hours, spring term.*

36. *Cooking for the Sick*. Special diets, and preparation of food for the sick and convalescent. Prerequisite, 5a,b,c, or 15 and 25. Should be taken as parallel with Home Nursing 35. *One hour, spring term.*

51. *Camp Cookery*. A special course for geology majors on the elements of nutrition and food preparation. Tingle. *Two hours, spring term.*

UPPER DIVISION

100. *Nutrition*. This course offers a survey of the nutritive values of food and the nutrition requirements of the body. In the laboratory food values are studied quantitatively and problems in diet for different ages are worked out concretely. Prerequisites chemistry, physiology and 5a,b, c, or equivalent training in food preparation. Pattison.

Four hours, spring term.

101. *Nutrition Problems*. Special problems in diet. Practical work arranged with reference to the needs of majors in sociology, physical education and medicine. Prerequisite 5a,b,c, or equivalent, and consent of the instructor. Tingle and Pattison. *Three hours, fall or spring term.*

102-103. *Food Preparation for Social Workers*. Arranged for sociology majors, elective for upper division students. First term, problems of purchasing, cost preparation, and service of food in larger quantities, as in social welfare centers, community kitchens and school lunch rooms. Second term, study of budgets and family dietaries for limited incomes; presentation of food problems. Tingle. *Three hours, fall and winter term.*

110a,b. *Household Management*. The problems of the modern homemaker from both theoretical and practical point of view. First term, study of selection, cost, care, and renovation of household equipment. Practical efficiency problems. Second term, business and administrative problems. Courses in sequence, but may be taken separately. Upper division standing. Tingle, Pattison, Hauck.

Three hours, winter and spring terms.

135. *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. Prerequisite, Home Nursing. Pattison.

Three hours, fall term.

175. *Home Economics Journalism*. A course for journalism majors, elective for upper division students. Prerequisite, Journalism 133, and one upper division course in Household Arts. Tingle, Allen.

Two hours, winter or spring terms.

195a,b,c. *Dress Design*. Study of line, dark and light and color as applied to dress design. Planning of modern costumes based on principles of design and color harmony adapted to individual requirements. Study of historic dress and ornament with emphasis on possibilities for modern adaptation. Special problems in period, stage and commercial design. Open only to upper division students. Prerequisites, Normal Art, 91, 92, 93, 94, 31, 32. Avakian. *Three hours, each term.*

196a,b,c. *House Furnishing*. Application of structural art principles to choice and arrangement of household furnishing. Open to upper division students. No prerequisite. One lecture, one hour laboratory. Kerns. *One hour, each term.*

197a,b,c. *Home Decoration*. A study of the history of articles of the home including silverware, pewter, pottery, china, porcelain, domestic and oriental rugs, textiles, period furniture, etc. Application of structural art principles in furnishing, gardens and house plans. Spacing, values and color in interior decoration. Prerequisite, Normal Arts, Design, 91, and Representation. Kerns. *Three hours, each term.*

HYGIENE

Courses in this subject are described in the section of the School of Physical Education.

ITALIAN

See romance languages.

JOURNALISM

For courses in journalism see the section of the School of Journalism.

LATIN

Professors DUNN, H. A. CLARK

Students who have presented less than two units in Latin for entrance are not permitted to major in the department, and it is strongly urged that intending majors come with at least three and if possible four units of high school Latin. Students who have entered with insufficient Latin and who, accordingly, may not major in the department, may if they wish take the beginning service courses 1a,b,c, with such subsequent courses as are desired. In no case are courses 1a,b,c, and 2a,b,c, counted upon the major. The four year course of study hereafter laid down will equip students for high school teaching in Latin. Majors who do not intend to teach may substitute any electives for the courses in pedagogy.

COURSE OF STUDY FOR MAJOR STUDENTS IN LATIN

	Fall	Winter	Spring
FRESHMAN			
Horace, Vergil and Livy	3	3	3
Latin Prose Composition and Sight Translation	2	2	2
Plautus, Terence, Martial	4	4	4
First or second-year Greek or French	3-4	3-4	3-4
Modern European or English History	1	1	1
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	15	15	15
SOPHOMORE			
Latin Elegy and Drama	3	3	3
Latin Prose Composition and Sight Translation	2	2	2
Ovid, Catullus, Caesar	3-4	3-4	3-4
Continuation of other language taken in first year	3	3	3
World History	4	4	4
Physical or biological science with laboratory	1	1	1
Military Science (men)	1	1	1
Physical Education	17-18	17-18	17-18
JUNIOR			
Horace and Juvenal	2	2	2
Tacitus	2	2	2
Cicero (course 101a,b)	3	3	3
Latin Prose Composition and Sight Translation	3	3	3
Continuation of language of first and second years	2-3	2-3	2-3
Roman History	3	3	3
*Written English	15-16	15-16	15-16
Education 51, 52, and 53 or elective	15-16	15-16	15-16
SENIOR			
Latin Prose Composition and Sight Translation	3	3	3
Roman Life, Mythology, and Contributions	3	3	3
Latin Pedagogy	3	3	3
The Roman Historians (a course in the original)	3	3	3
World History	2	2	2
World Literature	4-6	4-6	4-6
Education or elective	15-17	15-17	15-17

* In satisfaction of written English requirement.

DESCRIPTION OF COURSES

LOWER DIVISION

1a,b,c. *Beginning Latin and Caesar*. The year will begin with the First Year Book and close with the reading of two books of Caesar's Gallic War. Clark.
Four hours, each term.

2a,b,c. *Cicero's Orations and Vergil's Aeneid*. Students electing this course must have had either two years of Latin in high school or 1a,b,c in the University. The year will be divided between four orations of Cicero and four books of Vergil's Aeneid. Clark. Four hours, each term.

21a,b,c. *Horace, Vergil and Livy*. Horace, Odes, Books I, II, III, and IV; Vergil, Bucolics and Georgics; Livy, Books I, II, and III. Dunn.
Three hours, each term.

22a,b. *Latin Prose Composition and Sight Translation*. Continuous narrative of increasing difficulty for translation into Latin, and readings from Caesar, Cicero, and selected authors for sight work. Work in advanced grammar. Clark.
Two hours, fall and winter terms.

22c. *Plautus, Terence, Martial*. Plautus, Trinummus and Menæchmi; Terence, Phormio and Andria; Martial, selected epigrams; lectures on early Roman drama. Clark.
Two hours, spring term.

51a,b,c. *Latin Elegy and Drama*. Fragments of Roman Poetry, including Ennius and Naevius; The Augustan Elegy; Seneca's Tragedies. Dunn.
Three hours, each term.

52a. *Latin Prose Composition and Sight Translation*. Clark.
Two hours, fall term.

52b,c. *Ovid, Catullus, Caesar*. Ovid, the Fasti; Catullus; Caesar, Civil War, Books I and III. Dunn.
Two hours, winter and spring terms.

UPPER DIVISION

101a,b. *Cicero, Selected Letters* (Watson); Tusculan Disputations; the De Finibus, with lectures on Roman philosophy. Dunn.
Three hours, fall and winter terms.

101c. *Latin and Prose Composition and Sight Translation*. An advanced course. Clark.
Three hours, spring term.

102a,b. *Horace and Juvenal*. Horace, Epistles and Satires; Juvenal, Satires I, III, V, VII, VIII, X, XIII; lectures on the history of Roman satire and on the Roman life that produced it. Dunn.
Two hours, fall and winter terms.

102c. *Tacitus, The Annals*. Books III, IV, V, and VI, with lectures on the period. Dunn.
Two hours, spring term.

151a. *Latin Prose Composition and Sight Translation*. Clark.
Three hours, fall term.

151b. *Roman Life, Mythology and Contributions*. Lectures and readings upon the private life of the Romans, our inheritance from the Greco-Roman civilization and upon the myths of Greece and Rome and the Indo-Aryan races in general. Dunn.
Three hours, winter term.

151c. *Latin Pedagogy*. A laboratory course for prospective teachers of Latin, with a discussion of problems concerned with the authors to be taught; selected illustrative readings. Dunn.
Three hours, spring term.

152a,b,c. *The Roman Historians*. Livy, The Macedonian Wars; Velieus Paternulus, with lectures on the period; Suetonius, The Lives; Historiæ Augustæ. Dunn.
Three hours, each term.

GRADUATE DIVISION

201a,b,c. *History of Latin Literature*. Part I (Poetry). Dunn.

202a,b,c. *History of Latin Literature*. Part II (Prose). Dunn.

These courses, offered in alternate years, give a two-years' intensive study of Latin literature, comprising extensive reading in the works of the lesser known authors as well as those familiar through the undergraduate course, together with lectures on their lives and style.

203a,b,c. *Roman Philosophy*. Lectures covering the chief systems of doctrine prevailing among the Romans will alternate with readings from Cicero's De Officiis and the best portions of Lucretius. Dunn.

204a,b,c. *The Reign of Trajan*. Trajan's reign will be studied from Pliny's Letters, from inscriptions, from monumental remains, and other sources. Dunn.

205a,b,c. *The Reign of Nero*. Suetonius' Life of Nero and Tacitus' Annals are made the basis of a thorough study of this particular epoch. Clark.

251a,b,c. *Historical Latin Grammar*. A study of the development of Latin sounds, inflections, and syntax. Clark.

LAW

The courses in law are described in the section of the School of Law.

MATHEMATICS

Professors DECOU, MILNE, MCALISTER; Mr. ELLIOTT
Graduate Assistant, Mrs. NICHOL

The courses below are intended to meet the needs of the following groups: first, those students seeking mental discipline through the study of an exact science; second, those desiring a mathematical basis for the study of the natural and applied sciences, as physics, chemistry, astronomy, geology, biology, architecture, engineering; third, those preparing to be teachers of mathematics in high schools; fourth, those desiring to proceed to graduate work in mathematics.

Courses 1, 2, 3, 4, 5, 6, 7 and 61 are designed as a foundation for work in architecture, business administration and economics.

Major students in other departments wishing to be recommended as teachers of mathematics should take the following courses as a minimum: advanced algebra, 4 hours; plane trigonometry, 4 hours; analytical geometry, 4 hours; calculus, 8 hours; theory of equations and determinants, 3 hours; teaching and history of mathematics, 3 hours.

COURSE OF STUDY FOR MAJOR STUDENTS IN MATHEMATICS

	FRESHMAN	Fall	Winter	Spring
Advanced Algebra		4		
Plane Trigonometry			4	
Analytical Geometry				4
General Chemistry or other laboratory science		4	4	4
French or German		4	4	4
Social Science		3-4	3-4	3-4
Military Science (men) or Personal Hygiene (women)		1	1	1
Physical Education		1	1	1
		17-18	17-18	17-18

SOPHOMORE			
Calculus	Fall 4	Winter 4	Spring 4
French or German	3-4	3-4	3-4
Education or Written English	3	3	3
Physical Education	1	1	1
Military Science (men)	1	1	1
General Physics or Elective	4	4	4
	16-17	16-17	16-17
JUNIOR			
Advanced Analytical Geometry	3		
Differential Equations		3	3
Second course in Mathematics	3	3	3
Education or Elective	3	3	3
Mechanics, Advanced Physics or Elective	3	3	3
Written English or Elective	3-5	3-5	3-5
	15-17	15-17	15-17
SENIOR			
Courses in Mathematics	6	6	6
Elective (including necessary education for intending teachers)	10	10	10
	16	16	16

DESCRIPTION OF COURSES LOWER DIVISION

1. *Solid Geometry.* Staff. *Four hours, one term.*
2. *Intermediate Algebra.* A course based on the elementary algebra of the high school and preparatory to course 3, advanced algebra. This course is a prerequisite to course 6, mathematics of finance. Staff. *Four hours, fall or winter terms.*
3. *Advanced Algebra.* An elementary course based on three semesters of high school algebra, or course 2. This course is followed in the winter and spring terms by either plane trigonometry or mathematics of investment. Staff. *Four hours, any term.*
4. *Plane Trigonometry.* An elementary course open to freshmen. It should be preceded by advanced algebra, and followed by analytical geometry or mathematics of investment. Staff. *Four hours, winter or spring terms.*
5. *Analytical Geometry.* Open to freshmen who have had advanced algebra and plane trigonometry. Staff. *Four hours, fall or spring term.*
- 6a,b. *Mathematics of Finance.* An elementary treatment of interest, annuities, valuation of bonds, sinking funds, building and loan associations, life insurance, etc. Prerequisite, intermediate algebra. Staff. *Four hours, winter and spring terms.*
7. *Mathematics of Investment.* A briefer treatment of interest, annuities, valuation of bonds, sinking funds; building and loan associations, life insurance, etc., for students of better mathematical preparation. Prerequisite, advanced algebra. Staff. *Four hours, winter or spring term.*
51. *Elements of Statistical Methods.* The treatment is largely non-mathematical, but students will be benefited by taking course 3, advanced algebra, beforehand. Prerequisite, sophomore standing. DeCou. *Three hours, one term.*
- 61a,b. *Differential and Integral Calculus.* An introductory course for literary and scientific students. Prerequisite analytical geometry, course 5. Milne. *Four hours, winter and spring term.*

UPPER DIVISION

101. *Teaching and History of Mathematics.* A study of the methods of teaching secondary mathematics; 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 develop the science. DeCou. *Three hours, spring term.*

102a,b,c. *Differential and Integral Calculus.* A fundamental course laying a thorough foundation for all future work in mathematics and its applications. DeCou. *Four hours, each term.*

103a,b. *Differential Equations.* A practical course in the solution of ordinary and partial differential equations. Prerequisite, course 102 a,b,c, differential and integral calculus. DeCou. *Three hours, winter and spring terms.*

104. *Higher Algebra.* A more advanced and rigorous treatment of the topics of the preceding course in algebra, together with the addition of many new topics. (Not given in 1923-24). DeCou. *Three hours, one term.*

105. *Theory of Equations and Determinants.* An important course giving the essential principles required in various advanced studies. DeCou. *Three hours, one 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. DeCou. *Three hours, one term.*

107a,b. *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 emphasis. Prerequisite, course 102a,b,c. Milne. *Three hours, fall and winter terms.*

108. *Analytical Trigonometry.* Prerequisite, plane trigonometry. De Cou. (Not given 1923-1924). *Three hours, one term.*

110. *Projective Geometry.* Prerequisite, analytical geometry and calculus. DeCou. *Three hours, one term.*

113. *Advanced Analytical Geometry.* A more advanced treatment of the subject and intended for students of fair mathematical maturity. DeCou. *Three hours, one term.*

115. *Introduction to Lie's Theory of Differential Equations.* A short course dealing with one parameter groups and their application to the theory of differential equations. Prerequisite, course 103a,b. Milne. *Three hours, one term.*

139. *Applied Mathematics.* Intended for students of chemistry and physics. A rapid review of differential and integral calculus, with application to problems of physics and chemistry; the development of infinite series; elements of differential equations; 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. McAlister. *Three hours, two terms.*

GRADUATE DIVISION

201a,b,c. *Theory of Functions*. An introduction to the theory of functions of real and complex variables, with applications. Prerequisites, courses 103a,b, 113, or their equivalent. Not given in 1923-24. Milne.

Three hours, each term.

202. *Infinite Series*. This course deals with tests for convergence, uniform convergence, operations on infinite series, and the expansion of functions. Milne.

Three hours, fall term.

203a,b. *Differential Equations of Mathematical Physics*. This course includes Fourier's series, Legendre's polynomials, spherical harmonics, and Bessel's functions. Methods are developed for the solution of the most important linear partial differential equations of mathematical physics, with application to elastic vibrations and the flow of heat. Prerequisite, course 202. Milne.

Three hours, winter and spring terms.

204a,b,c. *Mathematical Seminar*. Conferences and reports on assigned subjects. DeCou, Milne.

MECHANICS AND ASTRONOMY

Professor McALISTER; Graduate Assistant, Mr. WISE

MECHANICS

LOWER DIVISION

11a,b. *Elementary Mechanics*. The course covers the fundamental principles of statics and kinetics, with application to problems which can be solved by elementary methods. Trigonometry is a prerequisite. (Not given 1923-24).

Three hours, winter and spring terms.

UPPER DIVISION

101a,b,c. *Analytical Mechanics*. First term, statics; second term, particle dynamics; third term, dynamics of a rigid body. Calculus is a prerequisite.

Three hours, each term.

102a,b,c. *Applied Mechanics*. For students of architecture, including analytical statics, and strength of materials. Calculus prerequisite.

Three hours, each term.

161a,b. *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, winter and spring terms.

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.

Three hours, spring term.

170a,b. *Reinforced Concrete*. The underlying principles upon which the design of reinforced concrete construction is based. Problems in designing simple beams and columns. Practical working formulas and data. McAlister.

Three hours, fall and winter terms.

GRADUATE DIVISION

201. *Theory of Elasticity*. The mechanics of elastic solids; applications to the strength, resistance and deformation of the ordinary materials of construction.

Four hours, fall term.

202a,b. *Hydrodynamics*. The mechanics of fluids, with special reference to liquids, but including also some applications to air and other gases. The work of the second term requires a knowledge of spherical and cylindrical harmonics.

Four hours, winter and spring terms.

205-206-207. *Advanced Analytical Mechanics*. Topics selected according to the needs of students, in relation to previous work and work contemplated in the future. Elective by terms.

Three hours, each term.

209. *Special Problems*. Advanced work in the applications of mechanics, and problems relating thereto.

ASTRONOMY

UPPER DIVISION

121a,b. *General Astronomy*. Descriptive in character, not involving mathematical discussions. Three lectures or recitations per week with an occasional evening of observation substituted for a lecture.

Three hours, winter and spring term.

122. *Practical Astronomy*. Determination of time, latitude, longitude, and azimuth by astronomical methods. A working knowledge of trigonometry is necessary. Lecture and laboratory with one evening period.

Three hours, spring term.

GRADUATE DIVISION

205. *Celestial Mechanics*. The fundamentals of the subject with such applications as time may permit; including some consideration of the theory of perturbed orbits.

MEDICINE

Professor TORREY, Chairman; Dr. LIVINGSTON
Mr. WALTER E. NICHOL, Secretary

The former premedical course of three years, given in Eugene, and the four year course at the School of Medicine in Portland have been combined and reorganized into a single course of study extending over seven years, and administered as a unit. This course of study has been arranged as a preparation not only for the private practice of medicine, but for careers in the increasingly attractive fields of research medicine and public health.

Certain subjects, leading to all of these objectives, are prescribed. They include chemistry, physics, biology, psychology, bacteriology, English, social science. Other subjects are elective. Mathematics, though not prescribed, is strongly recommended, especially for students preparing for advanced studies in physiology, biochemistry and experimental medicine. A reading knowledge of German and French is essential to keeping abreast of medical progress in Europe, and will be required of students entering the fourth year in 1924. It is of distinct advantage to have a reading knowledge of at least one of these languages before entering the University. German and French are included in the high school studies* recommended for prospective students of medicine.

Foreign languages and mathematics are normally first year subjects; two years of one foreign language is required for a B.A. degree. The required written English and social science may be taken either in the second or third year, at the student's option.

Medicine A and B provide opportunity for the observation of a limited number of actual cases, which are considered in such a way as to show the significant bearing of the fundamental sciences on the practice and progress of medicine.

* The complete list is: English, 4 units; mathematics, 2½ units; Latin, 2; German or French, 2; chemistry, 1; physics, 1; history, 1; making 13½ of the 16 units required for admission to the University.

It should be noted that Psychology 124a,b, is designed especially for students of medicine, and junior standing and Zoology 101 are prerequisite.

The course of study for the first three years in medicine is given below; that for the remaining four years will be found in the catalogue of the School of Medicine.

COURSE OF STUDY IN MEDICINE

COURSE OF STUDY IN MEDICINE			
FIRST YEAR			
	Fall	Winter	Spring
Animal Biology	4	4	4
General Chemistry	5	5	5
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
Clinics and Conferences	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Electives:			
German or French, Mathematics or other elective	4-8	4-8	4-8
	15½-19½	15½-19½	15½-19½
SECOND YEAR			
Cytology and Comparative Anatomy	4	4	
Vertebrate Embryology			4
Organic Chemistry for medical students	4	4	
Quantitative analysis for medical students			8
General Physics	4	4	4
Social Science (Group II) and electives	3-5	2-5	3-5
Military Science (men)	1	1	1
Physical Education	1	1	1
Clinics and Conferences	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
	17½-19½	17½-19½	16½-18½
THIRD YEAR			
Human Physiology and General Physiology	4	4	4
Bacteriology		4*	
Physical Chemistry for medical students	4		
General Psychology for medical students		3	3
Written English	3	3	3
Electives	5-7	2-5	6-8
	16-18	16-18	16-18

* Given also in spring term.

DESCRIPTION OF COURSES

A—Clinics and conferences. One hour of conference weekly, with occasional clinics at the Infirmary. Prescribed for first year majors in medicine. Livingston and Torrey. *One-half hour, each term.*

B—Clinics and conferences. Continuation of A. Prescribed for second year majors in medicine. Livingston and Torrey.

One-half hour, each term.

PRE-NURSING WORK

For students preparing for professional nursing, especially for teaching and supervision in schools of nursing, and for social service and public health work, combined college and professional courses in nursing leading to the degrees of B.A. (or B.S.) and Gr.N. are now offered by a number of universities that possess appropriate hospital facilities.

These courses are five years in length. The first two, two and one-half, or three years are concerned with college, essentially foundation work. The next two (exceptionally three) years are concerned with professional training in hospital. In many cases part or all of the fifth year is spent in college residence devoted to that branch of the profession which the student wishes especially to pursue.

The University of Oregon has, as yet, no school of nursing in connection with a hospital. The following pre-nursing courses are suggested for the convenience of students who desire to continue their professional train-

ing elsewhere. These courses are in substantial agreement with those of other institutions, but each student should shape her preparation according to the requirements of the institution in which she plans to do her professional work.

PRE-NURSING CURRICULUM

TWO YEAR COURSE

TWO YEAR COURSE			
FIRST YEAR			
Animal Biology	4	4	4
General Chemistry	5	5	5
Social Science (or English)	3-4	3-4	3-4
Personal Hygiene	1	1	1
Physical Education	1	1	1
Clinics and Conferences	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
	15½	15½	15½
SECOND YEAR			
Comparative Anatomy	4		
Genetics		3	
Vertebrate Embryology			4
Human Physiology	4	4	
Bacteriology			4
Foods and Nutrition	3	3	3
Written English (or Social Science)	3	3	3
General Psychology for medical students		3	3
Physical Education	1	1	1
Clinics and Conferences	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
	15½	17½	18½
THREE YEAR COURSE			
FIRST YEAR			
Animal Biology	4	4	4
General Chemistry	5	5	5
*Foreign Language, Social Science or English	4	4	4
Personal Hygiene	1	1	1
Physical Education	1	1	1
Clinics and Conferences	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
	15½	15½	15½

* For students proceeding to degree of bachelor of arts.

THREE YEAR COURSE			
SECOND YEAR			
Comparative Anatomy	4		
Genetics		3	
Vertebrate Embryology			3
†Foods and Nutrition	3	3	3
*Foreign Language (continuation)	3-4	3-4	3-4
Organic Chemistry for medical students	4	4	
Other Subject			4
Physical Education	1	1	1
Clinics and Conferences	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
	15½-16½	15½-16½	15½-16½

† Might be taken in junior year in place of Written English.

* For students proceeding to degree of bachelor of arts.

THREE YEAR COURSE			
THIRD YEAR			
Human Physiology	4	4	
Bacteriology			4
General Psychology for medical students		3	3
*Written English	3	3	3
Other subjects	8-10	5-7	5-7
	15-17	15-17	15-17

* Might be taken in sophomore year in place of Foods and Nutrition.

MILITARY SCIENCE

Lieut. Colonel SINCLAIR; 1st Lieuts. ARNOLD, KNOWLES
1st Sgt. AGULE; Sgt. CONYERS

All physically fit male students are required to take two years military training during their first two years in the University. This qualifies them for appointment as non-commissioned officers in the organized

reserves to which they are appointed if they so desire. Students who elect to take the full four years of military training are paid by the government during the last two years and upon graduation are commissioned in the Officers' Reserve Corps.

Students electing to major in military science, who satisfy the requirements listed below, will be recommended for commissions in the United States Army.

(a) Proficiency in three of the subjects named below must be attained by date of graduation. Conditions governing selection of subjects are as follows:

GROUP A

Subjects:

- | | |
|-------------------------|------------------------|
| (a) Analytical Geometry | (c) Advanced Mechanics |
| (b) Calculus | (d) Surveying |

Each student must select a minimum of one and may select a maximum of three subjects of Group A.

GROUP B

- | | |
|------------|-------------|
| (a) French | (b) Spanish |
|------------|-------------|

Each student may select one of the two subjects of Group B among the three required.

GROUP C

- | | |
|---------------------------------------|---|
| (a) English and American Literature | (d) Chemistry |
| (b) Constitution of the United States | (e) Minor Tactics and Military Engineering. |
| (c) Military Law | |

Each student may elect not to exceed two of the subjects of Group C among the three required.

(b) A minimum of one term hour of Military Science per term during his first two years and a minimum of three term hours of Military Science per term during his last two years in the University.

The following course of study for majors is recommended. However, it may be modified to any extent so long as it comes within the limitations set forth above:

COURSE OF STUDY RECOMMENDED FOR MAJORS IN MILITARY SCIENCE

FRESHMEN		Fall	Winter	Spring
Military Science	.....	2	2	2
Mathematics	.....	4	4	4
French or Spanish	.....	4	4	4
Physics or Chemistry	.....	4	4	4
Physical Education	.....	1	1	1
		15	15	15
SOPHOMORE				
Military Science	.....	2	2	2
Mathematics	.....	4	4	4
French or Spanish	.....	3-4	3-4	3-4
Physics or Chemistry	.....	4	4	4
Physical Education	.....	1	1	1
Social Science elective	.....	3-4	3-4	3-4
		17-19	17-19	17-19
JUNIOR				
Military Science	.....	3	3	3
Mathematics, or Physics, or Chemistry, Advanced courses	.....	4	4	4
French or Spanish	.....	3	3	3
Written English	.....	3	3	3
Elective	.....	3-5	3-5	3-5
		16-18	16-18	16-18
SENIOR				
Military Science	.....	6	6	6
French or Spanish	.....	3	3	3
Elective	.....	7-8	7-8	7-8
		16-17	16-17	16-17

DESCRIPTION OF COURSES

LOWER DIVISION

Courses 1, 2 and 3 are the minimum requirements for freshmen, and courses 4, 5 and 6 the minimum for sophomores. Courses 11 to 16 may be taken in place of the minimum courses, with additional credit.

1. *Freshman Basic Course.* 1. Military Courtesy; 2. Infantry Drill Regulations; 3. Rifle Marksmanship. *One hour, fall term.*

2. *Freshman Basic Course.* 1. Infantry Drill Regulations (cont.); 2. Rifle Marksmanship (cont.). *One hour, winter term.*

3. *Freshman Basic Course.* 1. Infantry Drill Regulations (cont.); 2. Scouting and Patrolling; 3. Physical Training. *One hour, spring term.*

11, 12, 13. *Freshman Military Science.* Courses 1, 2 and 3 with supplementary reading and one hour additional of lectures and recitation. *Two hours, each term.*

4. *Sophomore Basic Course.* 1. Map Reading and Military sketching; 2. Command and Leadership. *One hour, fall term.*

5. *Sophomore Basic Course.* 1. Musketry; 2. Command and Leadership; 3. Military Hygiene and Sanitation. *One hour, winter term.*

6. *Sophomore Basic Course.* 1. Infantry Weapons (Automatic Rifle, Grenades, and Bayonet); 2. Command and Leadership. *One hour, spring term.*

14, 15, 16. *Sophomore Military Science.* Courses 4, 5 and 6 with supplementary reading and one additional hour of lectures and recitation. *Two hours, each term.*

UPPER DIVISION

Courses 101, 102, and 103 in the junior year and 121, 122, and 123 in the senior year are the minimum requirements for men seeking commissions. Other courses may be elected in addition to these minimum requirements with additional credit.

101. *Junior Advanced Course.* 1. Field Engineering; 2. Command and Leadership. *Three hours, fall term.*

102. *Junior Advanced Course.* 1. Field Engineering (cont.) 2. Command and Leadership; 3. Military Law and Rule of Land Warfare; 4. Accompanying Weapons (machine gun, 37 mm gun and light mortar). *Three hours, winter term.*

103. *Junior Advanced Course.* 1. Accompanying Weapons (cont); 2. Command and Leadership. *Three hours, spring term.*

106. *Junior Military Science.* Course 103, plus outside supplementary reading and four additional hours of lecture and recitations. *Seven hours, spring term.*

121. *Senior Advanced Course.* 1. Administration; 2. Military History; 3. Tactics; 4. Command and Leadership. *Three hours, fall term.*

122. *Senior Advanced Course.* 1. Tactics; 2. Command and Leadership. *Three hours, winter term.*

123. *Senior Advanced Course.* 1. Tactics; 2. Command and Leadership. *Three hours, spring term.*

124. *Senior Military Science.* 1. Course 121, plus outside supplementary reading and three additional hours of lecture and recitation. *Six hours, fall term.*

125. *Senior Military Science*. 1. Course 122, plus outside supplementary reading and three additional hours of lecture and recitation.

Six hours, winter term.

126. *Senior Military Science*. 1. Course 123, plus outside supplementary reading and three additional hours of lecture and recitation.

Six hours, spring term.

MUSIC

Courses in music are described in the section of the School of Music

NORMAL ART

For normal arts courses, see the section of the School of Architecture and Allied Arts.

NORWEGIAN

See Germanic languages

PHILOSOPHY

* Dean REBEC, † Professor BATES
Graduate Assistant, Mr. BYRNE

Of the courses in philosophy, those in the lower division, 51, 52, and 53 are service courses, designed for general students, and may be taken to fulfill the requirement in Group II. Course 101 in the History of Philosophy is also a general course, open to all juniors and seniors without prerequisite. The rest of the courses are primarily for majors or minors in the department, although others may be admitted.

LOWER DIVISION

51. *Elementary Logic*. The essential body of the old "deductive" logic or "The logic of argument" and the modern "inductive" logic, or "logic of scientific method." More stress is laid on the practical values of logic than on its abstruser theoretic backgrounds. *Three hours, fall term.*

52. *Elementary Ethics*. This course concerns itself less with the metaphysics of ethics than ethical points of view, notably types of the practical moral life and character, acute present-day ethical problems touching the individual, the family, society, politics, and industry.

Three hours, winter term.

53. *Introduction to Philosophy*. An attempt not only to acquaint the student with the broad, central problems of philosophy, but to initiate him into the habit of fundamental thinking.

Three hours, spring term.

UPPER DIVISION

101a,b,c. *History of Philosophy*. History of European thought from Thales to the present.

Three hours, each term.

102. *Philosophy of History*. The conflict of fundamental ideals in history.

Three hours, fall term.

103. *Special Aesthetics*. The evolution of the aesthetic consciousness as revealed in the succession of historic art-epochs, more particularly in the supreme representative masterpieces of world literature.

Three hours, fall term.

106. *American Philosophy*, from Jonathan Edwards to James Royce, and Santayana.

Three hours, spring term.

* Leave of absence, 1922-23.

† Leave of absence, 1923-24.

107. *American Ideals*. A survey of the origins, development, and meaning of the basic ideals enforming the American life and mind, viewed as factors in the larger process of modern civilization. Prerequisite, junior standing, one course in world history and American history.

Three hours, spring term.

108. *Advanced Course in Ethics*. Prerequisite, elementary ethics.

Three hours, one term.

110. *Plato's Republic*.

Three hours, fall term.

111. *Aristotle's Ethics*.

Three hours, fall term.

112. *Continental Philosophy of the Seventeenth and Eighteenth Centuries*. Descartes, Discourse on Method, Meditations, Selections from Principles; Spinoza, Ethics; Leibnitz, New Essays and Monadology.

Three hours, winter term.

113. *British Philosophy of the Seventeenth and Eighteenth Centuries*. Locke's Essay, Berkeley's Principles, Hume's Enquiry.

Three hours, winter term.

114. *The Philosophy of Kant*. The Critique of Pure Reason. Every second year, alternating with 115.

Three hours, spring term.

115. *The Philosophy of Hegel*. The Logic. Every second year, alternating with 114.

Three hours, spring term.

116a,b,c. *Nineteenth Century Thought*. From the death of Hegel to the present. Pessimism, materialism, positivism, agnosticism, the later idealism, pragmatism, the new realism.

Three hours, each term.

117a,b,c. *Aesthetics*. A philosophical study of the experience and import of beauty in nature and in art.

Two hours, each term.

118. *Political Philosophy*.

Three hours, winter term.

119. *Philosophy of Religion*.

Three hours, winter term.

120. *Advanced Theoretical Logic*. Logic as presented in the treatments of Lotze, Bradley, Bosanquet, etc.

Three hours, spring term.

121. *Metaphysics*. A direct attack on central metaphysical problems, in Socratic fashion, by a group of students having sufficient previous preparation.

Three hours, spring term.

130a,b,c. *Contemporary Civilization*. Lectures and readings which will lead the student to interpret and evaluate the course of modern events and modern conditions and give an inclusive human outlook on the world.

Three hours, each term.

151-152-153. *Undergraduate Seminar in Philosophy*.

Hours to be arranged.

GRADUATE DIVISION

201a,b,c. *Philosophical Seminar*.

PHYSICS

Professors BOYNTON, CASWELL; Assistant Professor PRUETT
Graduate Assistant Mr. PHIPPS

The following course is one normally taken by students presenting for entrance 1½ units of algebra, geometry, and elementary physics, and entering immediately upon a physics major. Slight modifications are obvious in the case of differences of preparation, or of transfer from another major department.

COURSE OF STUDY FOR MAJOR STUDENTS IN PHYSICS

FRESHMAN			
	Fall	Winter	Spring
Advanced Algebra, Trigonometry, Analytical Geometry	4	4	4
Elementary Chemistry	4	4	4
Foreign Language (German or French)	4	4	4
Mechanical Drawing	2	2	2
Military (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
	16	16	16
SOPHOMORE			
General Physics	4	4	4
Calculus	4	4	4
Foreign Language (continuation)	3-4	3-4	3-4
Elective, group II or IV	3-5	3-5	3-5
Military (men)	1	1	1
Physical Education	1	1	1
	16-17	16-17	16-17
JUNIOR			
Advanced General Physics	3	3	3
Electrical Measurements	3	3	3
Advanced Analytical Geometry and Differential Equations	3	3	3
Written English	3	3	3
Elective	4	4	4
	16	16	16
SENIOR			
Physics, advanced course	3-9	3-9	3-9
Thesis	0-3	0-3	0-3
Journal Club	1-2	1-2	1-2
Electives	3-9	3-9	3-9
	15-17	15-17	15-17

A maximum rather than a minimum of mathematics and chemistry should be taken. Descriptive geometry and advanced mechanical drawing should be elected sophomore year if possible.

Upper division courses in mechanics can be counted as physics major work.

Journal Club, seminar and thesis work, required of seniors and candidates for the master's degree, demand a reading knowledge of German. Doctorate work requires both German and French.

Prospective teachers will elect the introductory group in education (51-52-53), in sophomore year, physics 101 and some form of practice teaching, either physics 100, education 107, or a laboratory assistantship in senior year, and complete the total of 22 required hours in education. This outline permits the completion of the norms in exact sciences and mathematics.

COURSE OF STUDY IN RADIO-PHYSICS

This course of study conforms to the requirements for major students in physics, and is identical for the first three years with the electrical option in pre-engineering. The five-year course leads to the degree of bachelor of arts (or bachelor of science) and master of science.

FRESHMAN			
	Fall	Winter	Spring
Advanced Algebra, Trigonometry, Analytic Geometry	4	4	4
Elementary Chemistry	4	4	4
Foreign Language (German or French)	4	4	4
Mechanical Drawing	2	2	2
Military Science (men)	1	1	1
Physical Education	1	1	1
	16	16	16
SOPHOMORE			
General Physics	4	4	4
Calculus	4	4	4
Foreign Language (continuation)	3-4	3-4	3-4
Analytical Chemistry	4	4	
Essentials of Geology			4
Military Science (men)	1	1	1
Physical Education	1	1	1
	17-18	17-18	17-18

JUNIOR			
	Fall	Winter	Spring
Advanced General Physics	3	3	3
Electrical Measurements	3	3	3
Advanced Analytical Geometry and Differential Equations	3	3	3
Descriptive Geometry and Advanced Mechanical Drawing	2	2	2
Elementary Surveying		2	2
Economics	4	4	5
	15	17	18
SENIOR			
Electron Theory	3	3	3
Analytical Mechanics	3	3	3
Written English	3	3	3
Elements of Accounting	3	3	3
Business Management, Finance and Law	5	5	4
	17	17	16
GRADUATE			
Advanced Electrical Theory and Thesis	5	5	5
Thermodynamics	3		
Strength of Materials		4	4
Advanced Chemistry	4	4	4
Higher Mathematics	3	3	3
Kinematics	2	2	2
	17	18	18

The University gives no instruction in shop work, but an approved course in shop work must be taken in addition to the subjects listed above.

DESCRIPTION OF COURSES

LOWER DIVISION

1-2-3. *Elementary Physics*. A preliminary course, not offered in 1923-1924. Pruett. *Three hours, each term.*

4-5-6. *General Physics*. A general course covering mechanics, sound, heat, light, electricity and an introduction to the modern physics. Prerequisite trigonometry or high school physics. Normally taken in the sophomore year. Three lectures and one laboratory period per week. No credit for less than two terms. Caswell. *Four hours, each term.*

UPPER DIVISION

100. *Laboratory Arts*. Administration of the physical laboratory, and the construction, adjustment, repair and manipulation of physical apparatus, including a study of home-made apparatus for high school laboratories, the elements of glass working, etc. Lectures, assigned readings and laboratory. Pruett. *Hours to be arranged.*

101. *History and Teaching of Physics*. For prospective teachers of high school physics. Boynton. *Three hours, fall term.*

104. *Sound*. An extended treatment of the phenomena of vibration, for students interested in music. The scientific basis of harmony and music, and the physics of musical instruments. Textbook, experimental lectures, and lantern slides. Pruett. *Three hours, one term.*

105. *Meteorology*. A treatment of the physical phenomena presented by the earth and atmosphere, such as air and ocean currents, distribution of temperature and moisture, weather observations and prediction, etc. Pruett. *Three hours, one term.*

106. *Photography*. Photographic methods and appliances including lenses, sensitive plates and their treatment, and the common photographic papers. Prerequisite, sophomore standing, a previous course in physics, and some familiarity with elementary chemistry. Two lectures and one laboratory period. Boynton. *Three hours, one term.*

NOTE: Courses numbered above 110 require the completion of the general physics and calculus as prerequisites, and only such courses may be taken for graduate credit.

111-112-113. *Advanced General Physics*. Supplementing, and giving more attention to certain topics than the elementary courses, and especially to some of the more fruitful modern theories, such as the kinetic theory, the electromagnetic theory of light, the electron theory, etc. Two lectures and one laboratory period. Caswell. *Three hours, each term.*

114-115-116. *Electrical Measurements*. The more important electrical quantities, with some reference to their practical applications. Direct current measurements; the magnetic properties of iron; the introduction to alternating current theory and measurements; transient electrical phenomena; elementary theory of radio. Two lectures and one laboratory period. Boynton. *Three hours, each term.*

120. *Advanced Laboratory*. Including senior thesis. Department staff. *Hours to be arranged.*

121-122-123. *Thermodynamics, Molecular Physics and Heat*. A study of heat and other forms of energy in connection with ideal gases, saturated vapors, dilute solutions and other ideal or actual substances, including a discussion of the kinetic theory of gases and liquids. Especially for students of physics, physical chemistry and pre-engineering. Boynton. *Three hour, each term.*

124-125-126. *Electron Theory*. An introductory course dealing with cathod, canal and X-rays, ionization of gases, photo-electricity, radio-activity, atomic structure, thermoelectricity, metallic conduction and the fundamental phenomena of light from the standpoint of the electron theory. Caswell. *Three hours, each term.*

127. *Physical Optics*. A study of such typical phenomena as refraction, dispersion, interference, diffraction and polarization. Lectures and laboratory. *Three hours, one term.*

130. *Journal Club*. Assigned readings with reports and conferences. The department staff. *Hours to be arranged.*

GRADUATE DIVISION

200. *Research Laboratory*. Qualified students will have all facilities of the laboratories placed at their disposal and will receive the advice and assistance of the department. Boynton, Caswell.

201. *Thermodynamical Potentials*. A continuation of 121, based upon the work of Gibbs and others upon the various thermodynamic potentials and their application to problems in physics and chemistry. Boynton. *Three hours, fall term.*

202. *Statistical Physics*. With especial reference to certain problems in the kinetic theory, such as the equipartition theorem, the nature of entropy, etc. Boynton. *Three hours, winter term.*

203. *The Conduction of Heat*. With especial reference to the Fourier theory. Caswell. *Three hours, spring term.*

204. *Modern Physical Theories*. A discussion of such topics as the electromagnetic theory of light, the electron theory, relativity and the quantum theory. Caswell.

211-212-213. *Advanced Electrical Theory*. With especial reference to transient phenomena, oscillations and waves, thermionic vacuum tubes, and the more modern applications. Course 114 is prerequisite. Boynton. *Three hours, each term.*

214-215-216. *Advanced Electrical Laboratory*. Designed to accompany the preceding course, dealing with the same topics. Boynton. *Two hours, each term.*

221. *Advanced Mathematical Physics*. Lectures and assigned readings. The topics treated will be varied from year to year to suit the needs of the students. Boynton, Caswell.

230. *Seminar*. Conferences and reports on assigned topics and current periodical literature. Boynton, Caswell.

POLITICAL SCIENCE

Professor BARNETT

COURSE OF STUDY FOR MAJOR STUDENTS IN POLITICAL SCIENCE

	FRESHMAN	Fall	Winter	Spring
Modern Governments	4	4	4	4
Mathematics or Lab. Science	4	4	4	4
French or German	4	4	4	4
Military Science (men) or Personal Hygiene (women)	1	1	1	1
Physical Education	1	1	1	1
	14	14	14	14
	SOPHOMORE	Fall	Winter	Spring
City Government	4	4	4	4
Economic History	4	4	4	4
Constitutional Law	4	4	4	4
Principles of Economics	4	4	4	4
Business Economics	4	4	4	4
French or German (continuation)	3-4	3-4	3-4	3-4
American History	4	4	4	4
Military Science (men)	1	1	1	1
Physical Education	1	1	1	1
	17	17	17	17
	JUNIOR	Fall	Winter	Spring
Public Finance	4	4	4	4
International Law	4	4	4	4
Labor Problems, Organized Labor and Labor Legislation	4	4	4	4
Modern European History	4	4	4	4
Written English	2-3	2-3	2-3	2-3
Elective	2-3	2-3	2-3	2-3
	16-18	16-18	16-18	16-18
	SENIOR	Fall	Winter	Spring
Research in Political Science	2	2	2	2
English Constitutional History	3	3	3	3
American Foreign Relations	4	4	4	4
Political Theory	4	4	4	4
International Political Organization	4	4	4	4
Logic, Ethics and Introduction to Philosophy	3	3	3	3
Principles of Sociology	5	5	5	5
Elective	3	3	3	3
	16	17	16	16

DESCRIPTION OF COURSES

LOWER DIVISION

1-2-3. *Modern Governments*. (1) American national government. The national government, with special attention to practical operation and contemporary reforms. (2) State and local governments. The state and local governments, with special attention to practical operation and con-

temporary reforms in Oregon. (3) European governments. The organization and operation of the governments of England, France, Germany, and Switzerland, with special attention to the government of England. Open to freshmen. *Four hours, each term.*

UPPER DIVISION

101. *Constitutional Law.* A study of the federal constitution as interpreted by the courts. Chiefly a discussion of leading cases.

Four hours, one term.

102. *Administrative Law.* 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, one 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, one term.

104. *International Law.* The principles of international law.

Four hours, one 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.

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, winter term.

107. *International Political Organization.* The history and present status of the various forms of international organization, with special attention to the league of nations.

Four hours, spring term.

GRADUATE DIVISION

201a,b,c. *Research in Political Science.*

PRE-ENGINEERING

Professor CASWELL, Chairman

The department of pre-engineering has been organized as part of the College of Literature, Science and the Arts, for the purpose of co-ordinating the work of the University and professional schools of engineering so as to offer to western students and to Oregon students in particular the opportunity to obtain preparation for engineering and technical science. The course fits the student to enter upon the professional work leading to chemical engineering; civil engineering, including highway and railway engineering, hydraulic engineering, municipal and sanitary engineering; structural engineering; electrical engineering; mechanical engineering; mining and metallurgy; naval engineering; engineering and industrial administration; physical research; chemical research.

The course in radio-physics announced under the department of physics is identical for the first three years with the electrical option in the department of pre-engineering.

Students who have satisfactorily completed a prescribed program of three years in this University, and have been recommended by the University, are admitted to the professional school with credits enabling

them to graduate with the bachelor's degree in engineering after two years of residence in the latter institution (in case of institutions granting this degree), or to graduate with the professional *graduate* degree of Engineer at the end of three years of residence.

Upon a report from the technical institution that the student satisfactorily has completed work therein equivalent to 45 term hours of work at this University, the University of Oregon grants the degree of bachelor of arts or bachelor of science.

Those who desire to remain for a fourth year at the University are granted the B.A. or B.S. degree provided they complete not less than 36 units of work during the senior year and have met all the University and departmental requirements for graduation with the degree in question. The work taken during the senior year must form, with the three preceding years, a consistent whole.

The following is the normal course of study in this department. It is varied to meet the specific requirements of the respective engineering institutions.

COURSE OF STUDY FOR PRE-ENGINEERING STUDENTS

FRESHMAN	Fall	Winter	Spring
Advanced Algebra, Trigonometry, Analytical Geometry	4	4	4
Elementary Chemistry	4	4	4
German or French*	4	4	4
Mechanical Drawing	2	2	2
Physical Education	1	1	1
Military Science (men)	1	1	1
	16	16	16

*Students intending to pursue courses in civil or mining engineering and who present two units of either French or German for entrance may be permitted to substitute elementary Spanish for French or German during the sophomore year. Those intending to study chemical engineering should take German during the freshman and sophomore years.

SOPHOMORE	Fall	Winter	Spring
Calculus	4	4	4
General Physics	4	4	4
French, German or Spanish	3-4	3-4	3-4
Analytical Chemistry	4	4	
Essentials of Geology			4
Physical Education	1	1	1
Military Science (men)	1	1	1
	17-18	17-18	17-18

JUNIOR

The regular program of the junior year consists of certain required subjects plus a number of electives, the latter becoming prescribed also according to the branch of engineering or technical work contemplated, the prescriptions being indicated by the letters immediately following the subject as listed, thus:

- (c) Required for civil engineering.
- (e) Required for mechanical or electrical engineering.
- (k) Required for chemical engineering.
- (m) Required for mining.

Variations from this program are made to meet the requirements of individual institutions.

REQUIRED SUBJECTS	Fall	Winter	Spring
Advanced Analytical Geometry and Calculus	3		
Descriptive Geometry	2	2	
Advanced Mechanical Drawing			2
Advanced General Physics	3	3-5	3-5
Principles of Economics	4	4	
Advanced Economics			4-5
Written English	2-3	2-3	2-3

PSYCHOLOGY

ELECTIVE SUBJECTS			
	Fall	Winter	Spring
Lettering (ce)	2		
Surveying (cem)		2	2
Analytical Mechanics (ce)	3	3	3
Electrical Measurements (e)	3	3	3
Strength of Materials		4	4
Kinematics	2-3	2-3	2-3
Differential Equations	3	3	
Applied Mathematics	3	3	
Advanced Inorganic or Analytical Chemistry (k)	3-4	3-4	3-4
Organic Chemistry (k)	4	4	4
Physical Chemistry	4	4	4
Mineralogy (m)	4	4	4
Principles of Stratigraphy (m)	3		
Economic Geology (m)		3	3
Structural Geology			2
Field Geology			2
Principles of Assaying		4-6	
Graphic Statics	2	2	
Practical Astronomy			3
Bacteriology		4	4
English		4	4
Essentials of Accounting	3	3	3
	17-19	17-19	17-19

Shop work and surveying are prescribed during the summers following the sophomore and junior years whenever necessary to prepare student for admission to the technical school.

PSYCHOLOGY

BENJAMIN J. HAWTHORNE, Professor Emeritus
Professors CONKLIN, WHEELER; Assistant Professors, YOUNG, CROSLAND; Miss HAGG
Graduate Assistants, CUTSWORTH, RIDDLE

Courses in this department are not open to freshmen.

Students proposing to major in this department will be expected to follow so far as the University schedule will permit one of the following prescribed courses of study. Electives provided for in these prescribed courses should be elected with the advice of the major professor in order that the most helpful selections may be made.

PROFESSIONAL PSYCHOLOGICAL PROGRAM

The following program of undergraduate courses is designed for the guidance of students who expect to proceed immediately to graduate work for the degree of doctor of philosophy in this or any university.

It should be observed that this program is made up with a minor in biological subjects given in the department of zoology. Although the staff of the department of psychology consider this to be ideally the best program, practically many students should substitute (in the upper division) sufficient work in the school of education to make possible a graduate minor in that subject in whatever institution they may desire to do their graduate work.

Those who expect to minor in biological subjects as outlined below, who have not had physics in high school, must elect essentials of physics in the freshman year, as it is prerequisite to chemistry which is in turn prerequisite to physiology.

If the schedule in either freshman or sophomore years should permit, the student is strongly urged to take mathematics 4, 7a, and 7b (analytical geometry and calculus).

FRESHMAN			
	Fall	Winter	Spring
Animal Biology	4	4	4
French or German	4	4	4
Chemistry	4	4	4
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
Elective	2-3	2-3	2-3
	16-17	16-17	16-17

PSYCHOLOGY

SOPHOMORE			
	Fall	Winter	Spring
Beginners Psychology	4	4	4
Organic Evolution, Heredity and Eugenics, Genetics	2	2	3
German or French (continuation)	3-4	3-4	3-4
*Social Science, Written English or Education	3-4	3-4	3-4
Military Science (men)	1	1	1
Physical Education	1	1	1
	15-16	15-16	16-17

*Intending teachers should elect the sophomore group in Education. Others are recommended to the philosophy group, logic, ethics, and introduction to philosophy. The written English requirement should be fulfilled in this or the junior year.

JUNIOR			
	Fall	Winter	Spring
Systematic Psychology	3	3	3
Advanced Psychology Laboratory	2	2	2
Psychology of Learning	3		
Abnormal Psychology		3	
Principles of Psychoanalytic Psychology			2
Human Physiology	4	4	
Written English and Elective	5	5	10
	17	17	17
SENIOR			
Adolescence	3	3	
Statistical Methods, Mental Measurements		3	3
Individual and the Group, Racial Psychology, and Character and Personality	3	3	3
History of Philosophy	3	3	3
Thesis	2	2	2
Elective	3-5	2	3-5
	15-17	17	15-17

Students are advised to elect a sufficient amount of work in French and German in addition to the hours prescribed above so as to make possible a reading knowledge of scientific French and German.

NON-PROFESSIONAL PSYCHOLOGICAL PROGRAM

The following course of study is arranged for the guidance of undergraduate students who desire to major in psychology but who do not expect to become professional psychologists.

FRESHMAN			
	Fall	Winter	Spring
Animal Biology	4	4	4
French or German	4	4	4
Social Science requirement	3-4	3-4	3-4
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
Elective	2-3	2-3	2-3
	16	16	16
SOPHOMORE			
Beginners Psychology	4	4	4
Language (continuation)	3-4	3-4	3-4
Written English	3	3	3
Military Science (men)	1	1	1
Physical Education	1	1	1
Elective	3-4	3-4	3-4
	16	16	16
JUNIOR			
Systematic Psychology, or Adolescence, Statistical Methods and Mental Measurements	3	3-6	3
Advanced Laboratory	2	2	2
Learning, Abnormal Psychology, and Psychoanalysis	3	3	3
*Electives	3-9	5-9	8-9
	16-17	16-17	16-17

*Introduction to philosophy is recommended in the spring term. Further work in the social sciences and literature is advised. Courses in zoology, organic evolution, and heredity and eugenics, will be found highly desirable corollaries.

SENIOR		Fall	Winter	Spring
Systematic Psychology, or Adolescence, Statistical Methods and Mental Measurements		3	3-6	3
Individual and the Group, Racial Psychology, and Character and Personality		3	3	3
Thesis		2	2	2
History of Philosophy		3	3	3
Elective		3-5	2-5	3-5
		15-17	15-17	15-17

APPLIED PSYCHOLOGY PROGRAM

The following course of study is designed for persons who plan to take up applied psychology, such as juvenile court work, personnel work, and work in educational and correctional institutions with those who constitute abnormal and subnormal problems. The work is largely technical training in the psychological and educational tests and measurements, abnormal psychology, personnel, social psychology as it applies to modern industrialism, with the sociological backgrounds necessary for interpretation. Under this program the student will major in psychology and minor in sociology, although in special instances his future plans might make it advisable for him to minor in education or economics.

FRESHMAN		Fall	Winter	Spring
Animal Biology		4	4	4
French or German		4	4	4
Sanitation		3		
Economic History			5	
Military Science (men) or Personal Hygiene (women)		1	1	1
Physical Education		1	1	1
Elective		3-4	2-3	6-7
		15-17	15-17	15-17
SOPHOMORE		Fall	Winter	Spring
Beginners Psychology		4	4	4
French or German (continuation)		3-4	3-4	3-4
Principles of Economics		4	4	4
Labor Problems				4
World History		3	3	3
Physical Education		1	1	1
Military Science (men)		1	1	1
		15-17	15-17	15-17
JUNIOR		Fall	Winter	Spring
Systematic Psychology		3	3	3
Principles of Sociology and New Social Order		5	5	5
Education, 51, 52, 53		3	3	3
Organic Evolution		2		
Heredity and Eugenics			2	
Statistical Methods			2	
Employment and Personnel				2
Elective		3-4	2	3-4
		16-17	17	16-17
SENIOR		Fall	Winter	Spring
Individual and the Group, Racial Psychology, Character and Personality		3	3	3
Mental Tests, Exceptional Children, and Hygiene of Learning		3	3	3
Social Survey			3	
Abnormal Psychology				3
Mental Measurements				3
Elective		7-8	7-8	7-8
Education (for intending teachers)		3	3	4
		16-17	16-17	16-17

Students following this program should plan for a fifth or graduate year in order to obtain adequate preparation. In this type of work there is little demand for people who have only an undergraduate training.

It is obvious that the relation of the minors to the majors must be somewhat tentative. Hence there is provided a considerable number of choices. Still others might be included from sociology.

If a student were to minor in economics his work would consist chiefly in such courses as organized labor, labor legislation, and social insurance, and courses bearing perhaps on economic theory or social economics.

If minor in education the student's work would consist chiefly in such courses as: social education, psychology of childhood, research in mental tests, mental hygiene, and the like.

DESCRIPTION OF COURSES
LOWER DIVISION

Beginners in psychology should note carefully that the first course in psychology is ordinarily a full year of work. The science group requirement may be satisfied by taking the full year of work with laboratory in course 11a,b,c. Courses 1 and 2a,b, are designed for students who do not desire laboratory training. Course 11a,b,c, includes one period of laboratory work each week.

1. *Beginners (Social)*. A study of the instincts, emotions, sentiments, with something of the nature of the self and individual differences. There is no laboratory work in this course. Given in several sections. Department staff. *Three hours, fall term.*

2a,b. *Beginners (General)*. An introductory study of the material of general experimental psychology, sensation, habit, attention, association, learning, memory, perception, imagination, reasoning and will. This is a continuation of course 1 also it may be taken without 1 as prerequisite. Without laboratory. Several sections. Department staff.

Three hours, winter and spring terms.

11a,b,c. *Beginners (General with laboratory)*. This course is similar in content to courses 1 and 2a,b but has one laboratory period each week as an essential part of its work. Students desiring to use psychology for satisfaction of the science group requirement must register in this course. Department staff. *Four hours, each term.*

UPPER DIVISION

103-104-105. *Systematic Psychology*. An intensive study of the physiological correlate of psychology, of psychological systems and of the monographic literature on the more vital problems in experimental psychology. 103 concerns psychological systems; 104, special problems in experimental psychology; 105, the physiological background of psychology. Wheeler. *Three hours, each term.*

106a,b. *Adolescence*. An elaborate study of genetic psychology and the writings of G. Stanley Hall. Conklin. *Three hours, two terms.*

107a,b,c. *Research and Thesis*. Designed for advanced students. Beginner's psychology and systematic psychology, are indispensable prerequisites. Special training is given in methods of research by participation in original researches under the personal direction of the instructor. Hours to be arranged. Conklin, Wheeler. *Two or three hours, each term.*

108. *Mental Measurements*. Principles and practice of testing intelligence and individual differences. Young. *Three hours, one term.*

109. *Psychology of Learning*. Genetic and comparative study of learning in the behavior of organisms from the lowest up to and including man. Crosland. *Three hours, one term.*

110. *Advanced Social Psychology*. Dealing with an analysis of the behavior of individuals in groups—place of instinctive-emotional tendencies, attitudes, etc. Young. *Three hours, one term.*

111. *Character and Personality*. Concerns the growth of character, the integration of personality—use of rating schemes, tests, etc., in studying same. Young. *Three hours, one term.*

113. *Problems in Employment Psychology and Personnel.* Applications of psychology to employment problems, vocational testing, personnel work. Prerequisite, 123. Young. *Two hours, one term.*

114. *Special Problems in Social Psychology.* Intensive work on individually assigned topics. Young. *One to three hours, any term.*

117a,b,c. *Advanced Laboratory.* A thorough training in laboratory technique as used in the problems of general psychology. Wheeler. *Two hours, each term.*

118. *Abnormal Psychology.* Traits and theories of hysterical phenomena, insanity and the borderland phenomena. Conklin. *Three hours, one term.*

122. *Principles of Psychoanalytic Psychology.* An introduction to the literature and concepts of psychoanalysis. Conklin. *Two hours, one term.*

123. *Statistical Methods in Psychology.* A short course designed to meet the needs of students in certain courses in the applications of psychology. Young. *Three hours, one term.*

124a,b. *General Psychology for Medical Students.* A special intensive course on the phenomena, technique, and interpretations of normal psychology arranged for medical students. Crosland. *Three hours, two terms.*

130-131-132. *Anthropology.* A group of courses given in sequence by the departments of geology and psychology. 130. *Geologic History of Man.* Given by the department of geology in cooperation with the two following courses in this department. Packard. 131. *Ethnology.* A study of the mental traits of different races. Kimball Young. 132. *Social Anthropology.* A sequel to the course in ethnology. A discussion of the influences of different racial traits upon current social psychological problems. Kimball Young. *Three hours, each term.*

GRADUATE DIVISION

201. *History of Psychology.* 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. Conklin. *Three hours, one term.*

203. *Methodology.* A comparative study of the various methods used in psychological research. Conklin. *Two hours, one term.*

205. *Advanced Experimental Psychology.* An intensive training in the introspective method and its application to experimental problems. The student is introduced to an experimental problem which he must attempt to solve by the introspective method. The student acts as observer and the instructor as experimenter. The student is then required to organize and interpret his own results. An analysis of the literature and criticisms of the introspective method. Wheeler. *Two hours, one term.*

206. *Advanced Physiological Psychology.* Devoted to the current experimental literature in the physiology of sensation and the emotions, to such neurological problems as directly affect an understanding of ad-

vanced psychology, involving the problems of nerve regeneration and degeneration, localization of function, the nerve structure and function underlying speech, etc. A continuation of work in systematic psychology. Wheeler. *Two hours, one term.*

207. *Research and Thesis.* Original work for thesis purposes under the direction of the instructor in charge. Conklin, Wheeler.

208. *The Higher Thought Process and Volition.* An intensive study of judging, reasoning, the psychology of purpose and the psychology of volition. Each subject is considered historically and genetically, its relations to other mental processes discussed, and the experimental literature thoroughly reviewed. Each process is also studied from various angles—the introspective, the purely subjective, the behavioristic, the objective, the structural and dynamic. Wheeler. *Two hours, one term.*

209. *Behaviorism.* An historical approach to the problem of behaviorism followed by a logical, philosophical, theoretical and experimental examination of its position. In this latter study the more general and fundamental points are first taken up, followed by a detailed application of these general principles to specific problems of sensation, affection, attention, memory, perception, learning and the higher intellectual processes. (Offered alternately with course 205). Wheeler. *Two hours, one term.*

210. *Psychology of Memory and the Image.* A rigorous analytical and synthetic treatment of the various phases of mental organization manifested in conscious memory phenomena and in the image of imagination. Dissociation, assimilation, organization and generalization of memory contents will be thoroughly studied and illustrated, together with many technical as well as practical applications of the facts here presented. Crosland. *Two hours, one term.*

211. *Psychology of Attention and Perception.* A detailed and systematic handling of the various factors and the various aspects of attention phenomena and the phenomena of perception and apperception. Various points of view, of behaviorist, objectivist, centralist, subjectivist, idealist, realist, nativist and empiricist. Special attention to the modern conception of attention and perception so influential in medicine, psychiatry, ethics, and education. Crosland. *Two hours, one term.*

212. *Psychology of Religion.* The place and nature of religious experience in human behavior, social and personal. The psychological aspects of belief, conversion, prayer, sacrifice, myth, ritual and ceremony. Illustrative material from primitive and historical religions. (Temporarily withdrawn). Young. *Three hours, one term.*

213. *Criminal Psychology.* The bio-psychological foundations for the study of criminal types. A critical survey of psychological methods of diagnosis and treatment of crime. (Temporarily withdrawn). Young. *Three hours, one term.*

215a,b,c. *Psychology Seminar.* This meets bi-weekly and is attended by all members of the teaching staff and graduate students. Topics for presentation and discussion are selected in general conference from term to term.

ROMANCE LANGUAGES

Professors CLORAN, THORSTENBERG
 Assistant Professors FAYARD-COON,* THOMPSON; Miss CORNIER, Miss CUEVAS,
 Miss ESPINOSA, Miss GOUY, Miss GRAY, Mrs. MANERUD, Miss WHYTE
 Graduate Assistant Miss DEW

Freshmen must present two years of high school French or Latin or Spanish to major in romance languages.

Majors in romance languages must take a minimum of 30 hours of upper division courses in French and as many courses in Spanish as possible or majors may take a minimum of 30 hours of upper division courses in Spanish with as many courses in French as possible. Italian should not be omitted. The work of majors in romance languages is prescribed for the four years and should follow the curriculum below.

Students planning to teach French should take at least courses 1, 2, 105 and 103, or 106 and 107. Similarly those planning to teach Spanish should take at least courses 11, 12, 115 and 113, or 117 and 160.

Classes in beginning French and Spanish are provided for students entering the University in January. Students who have entrance credit for two years of high school French or Spanish take the second year in college. No credit is given if the first year work is repeated in college. Students who have entrance credit for one year of high school French or Spanish take the third term work in college. No credit is given for the first half year if the first year is repeated in college, but credit is given for the second half year (6 hours). Students who have entrance credit for three years of high school French or Spanish take third year courses in college. No credit is given if the second year work is repeated in college.

COURSE OF STUDY FOR MAJORS IN ROMANCE LANGUAGES

FRESHMAN			
	Fall	Winter	Spring
French or Spanish	4	4	4
Second Foreign Language, or Science, or Social Science Group	4	4	4
Mathematics, Laboratory Science, or Social Science (group requirement)	4	4	4
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
Elective	3-4	3-4	3-4
	17-18	17-18	17-18
SOPHOMORE			
French or Spanish (continuation)	3-4	3-4	3-4
Second course in French or Spanish or Written English	2-3	2-3	2-3
Second Language	3-4	3-4	3-4
Science, or Social Science, or Education (for intending teachers)	3-4	3-4	3-4
Military Science (men)	1	1	1
Physical Education	1	1	1
Elective	2-3	2-3	2-3
	15-18	15-18	15-18
JUNIOR			
Major Language	3-6	3-6	3-6
Second Romance Language	3-6	3-6	3-6
Electives, norm or Written English	6-9	6-9	6-9
	15-18	15-18	15-18
SENIOR			
Romance Language courses	9-10	9-10	9-10
Electives (including Education for intending teachers)	6-7	6-7	6-7
	15-17	15-17	15-17

* Leave of absence 1922-23.

DESCRIPTION OF COURSES

LOWER DIVISION

1a,b,c. *First Year French*. Cerf and Giese's Beginning French Grammar. Pronunciation, composition, conversation, translation of French prose and poetry. Fayard-Coon, Gray, Gouy, Cornier, Manerud.

Four hours, each term.

2a,b,c. *Second Year French*. Review of grammar, composition, conversation, translation of modern French authors. Fayard-Coon, Gray, Gouy, Cornier.

Four hours, each term.

3a,b. *Second Year French*. An abridgment of course 2 for students beginning the course in the winter term.

Five hours, winter and spring terms.

8a,b,c. *Second Year French, Scientific*. Reading of scientific French, review of grammar. Not given in 1923-1924. Thorstenberg.

Three hours, each term.

11a,b,c. *First Year Spanish*. Olmsted's First Spanish Course, composition, conversation, translation of Spanish prose and poetry. Thompson, Whyte, Cuevas, Espinosa.

Four hours, each term.

12a,b,c. *Second Year Spanish*. Review of grammar, composition, conversation, translation of modern Spanish authors. Thompson, Whyte, Cuevas, Espinosa.

Four hours, each term.

13a,b. *Second Year Spanish*. An abridgment of course 12 for students beginning the course in the winter term. Cuevas.

Five hours, winter and spring terms.

20a,b,c. *Second Year Spanish (Commercial)*. A course planned for students in the School of Business Administration. A continuation of the first year's work, with a special emphasis on commercial vocabulary. Readings and exercises from Latin-American sources. Prerequisite, Spanish 11 or two years high school Spanish. Whyte. *Four hours, each term.*

32a,b,c. *First Year Italian*. Grammar, composition and translation of modern authors. Cloran.

Three hours, each term.

33a,b,c. *Second Year Italian*. Cloran.

Two hours, each term.

UPPER DIVISION

103a,b,c. *French Literature*. (Third year French). Reading of French authors of the nineteenth century. History of French literature. Cloran.

Three hours, each term.

104a,b,c. *French Literature* (fourth year). French authors of the eighteenth and nineteenth centuries. History of French Literature (continued). Cloran.

Three hours, each term.

105a,b,c. *French Conversation and Composition*. (Third year French). Fayard-Coon, Gouy, Cornier.

Three hours, each term.

100a,b,c. *French Conversation and Composition*. (Fourth year French). Course 105 is required as prerequisite for admission. Gouy.

Two hours, each term.

- 107a,b,c. *French Pronunciation*. (Fourth year French). Gouy.
One hour, each term.
- 108a,b,c. *Scientific French*. (Third year French). Thorstenberg.
Two hours, each term.
- 109a,b,c. *French Composition*. (Fifth year French).
Two hours, each term.
- 110a,b,c. *Readings in the French Historians*. Two hours, each term.
- 111a,b,c. *French Classics*. Reading of representative plays of Corneille, Molière and Racine.
Three hours, each term.
- 113a,b,c. *Spanish Literature*. (Third year Spanish). Reading of nineteenth century authors. History of Spanish literature. Cloran.
Three hours, each term.
- 114a,b,c. *Spanish Literature*. (Fourth year). Spanish authors of the seventeenth, eighteenth and nineteenth centuries. Courses 113 and 114 are given in alternate years. History of Spanish Literature (continued). Cloran.
Two hours, each term.
- 115a,b,c. *Spanish Composition and Conversation*. (Third year Spanish). Cuevas.
Three hours, each term.
- 117a,b,c. *Spanish Composition and Conversation*. (Fourth year Spanish). Course 115 is required as a prerequisite for admission. Cuevas.
Two hours, each term.
- 119a,b,c. *Spanish Composition*. (Fifth year Spanish). Thompson.
Two hours, each term.
- 130a,b,c. *Elementary Portuguese*. Branner's Portuguese Grammar. Readings of Portuguese prose and poetry. Open to students who have had two years of Spanish.
Two hours, each term.
- 160a,b,c. *Commercial Spanish*. Spanish commercial correspondence, business forms, industrial readings, conversation. Prerequisite, Spanish 12, or 20, or three years high school Spanish. Whyte.
Three hours, each term.
- 161a,b,c. *Advanced Commercial Spanish*. An intensive study of two or more Latin-American countries. Textbooks will be used as guides, with supplementary readings from Spanish-American periodicals and newspapers. Conversation on business affairs, and current events. Study of scientific and technical vocabulary. Composition. Prerequisite, Spanish 160. Whyte.
Three hours, each term.

GRADUATE DIVISION

- 206a,b,c. *Old French*. Reading of selected texts, grammar and phonology. Cloran.
One hour, each term.
- 207a,b,c. *History of French Literature* with reading of selections from the great writers. Cloran.
Three hours, each term.
- 208a,b,c. *French Literature*. Reading of French authors especially of the seventeenth and eighteenth centuries. This course is a continuation of 207. History of French literature. Cloran.
Three hours, each term.
- 216a,b,c. *Old Spanish*.
One hour, each term.

- 217a,b,c. *Spanish Literature*. A course similar in character and purpose to 207. Cloran.
Three hours, each term.
- 218a,b,c. *Spanish Literature*. A continuation of 217. Cloran.
Three hours, each term.
- 220a,b,c. *Advanced Italian*. The classic period of Italian literature. Readings from Dante, Boccaccio and Petrarch. Cloran.
Two hours, each term.

SCANDINAVIAN

See Germanic languages and literature.

SOCIOLOGY

For courses in sociology see the section under the School of Sociology.

SPANISH

See Romance languages.

SWEDISH

See Germanic languages and literature.

ZOOLOGY

Professor TORREY: Assistant Professor YOCOM: Mr. HORNING, Mr. NICHOL, Mr. RIDGEL
Graduate Assistants, Miss HAYS, Mr. TAYLOR

Course 1 is designed as a service course for majors in other departments and a foundation for upper division work in this department. Courses 10 and 12 are given especially for students with at least junior standing, who have not had course 1, or its equivalent, but desire a general acquaintance with the facts and theories of organic evolution, heredity and eugenics.

An undergraduate major in zoology will comprise:

- (a) Course 1—Normally a first year course.
- (b) 80 term-hours of upper division courses to be selected, in consultation with the department, according to the interest of the individual student.
- (c) At least 5 term-hours under (b) of research—normally a senior course.
- (d) A dissertation based on (c).
- General Chemistry, (normally a first year course), one year of college physics, and another year of natural science, or mathematics.
- Reading knowledge of French or German—both languages if possible.
- Fulfillment of group and all other requirements of the University for a bachelor's degree.

Thirty hours, at least half of which shall be obtained from graduate courses, constitute a major in zoology for the master's degree.

The equivalent of an undergraduate major in zoology is prerequisite to this major.

Fifteen term-hours from graduate or upper division courses constitute a minor in zoology for the master's degree. General chemistry is prerequisite.

That candidates for the master's degree in zoology may have a broad fundamental training in science, it is strongly recommended that minors be chosen from physics, chemistry, and mathematics as well as botany and psychology; though minors are in no sense limited to these subjects.

The conditions governing candidacy for the degree of doctor of philosophy are to be found in the bulletin of the Graduate School, which may be had on application to the registrar. Courses will be arranged in consultation with the major professor to satisfy individual needs.

Prospective teachers of animal biology should consult the head of the department as soon as possible regarding the appropriate courses to select.

DESCRIPTION OF COURSES

LOWER DIVISION

1a,b,c. *Animal Biology*. A general introduction to the fundamental principals and problems of biology. Prerequisite to all other courses in the department. Two lectures and two two-hour laboratory periods weekly. Torrey, Horning. *Four hours, each term.*

4. *Field Zoology*. A study of the local fauna, including habits and habitats, life histories, ecological associations, taxonomy, economic problems. Prerequisite, course 1a,b,c. Two lectures and six hours of field and laboratory work. *Four hours spring term.*

5. *Microscopical Technique*. A course dealing with the preparation of tissues for study with the microscope. The principles of fixing, sectioning and staining, will be worked out in the laboratory. Three laboratory hours. Yocom. *One hour, each term.*

8. *Elementary Physiology*. An introductory course in human physiology for general students; without prerequisites. Lectures, recitations and demonstrations. Horning. *Four hours, winter term.*

10. *Organic Evolution*. A historical and critical analysis of the evolution theories, giving the sources, nature and value of the evidence supporting them. The present status of organic evolution. General application of evolution theories. Open to advanced students without prerequisite. Term papers. Two lectures. Riddle. *Two hours, fall term.*

12. *Heredity*. A consideration of the basic theories, principles and laws of heredity and their application to social and biological problems. Follows 10 but may be taken independently. A general course designed for upper division students without previous courses in biology. Open to advanced students without prerequisite. Two lectures. Riddle. *Two hours, spring term.*

UPPER DIVISION

101. *Human Physiology: Muscle, Nerve and Special Senses*. An analysis of the sensory and motor adjustment of the body to environmental changes. The physiology of muscular and nervous tissues. The reflex. Relation between structure and function in the chord, brain, autonomic system and special sense organs. Prerequisite: Chemistry 1a,b,c and Physics 4-5-6. Three lectures. Two laboratory periods. Riddle. *Five hours, fall term.*

102. *General Physiology*. A study of the fundamental structure and behavior of living organisms, the analysis of their vital activities and of the physico-chemical nature of the factors underlying them. Prerequisite: Physics 4-5-6 and Chemistry 8a,b. Two lectures. Two laboratory periods. Riddle. *Four hours, spring term.*

103. *Vertebrate Embryology*. This course deals with the principles of development especially as applied to the early development of vertebrate animals. The laboratory work in the main consists of the study of the chick through the first three days of incubation during which time the principal organs have been laid down. Two lectures and six laboratory hours. Yocom. *Four hours, spring term.*

104. *General Embryology*. An advanced course dealing with the experimental morphology and physiology of development. Lectures, conferences, reports and laboratory work which will be in the nature of individual problems carried through the term. Two class hours and a minimum of six laboratory hours. Prerequisite, course 103. Yocom. *Four hours, spring term.*

107. *Cytology and Comparative Histology*. The fore part of the term's work will consist of a study of the structure of the cell; its metabolism; growth and reproduction; germ cells and their formation and function in reproduction, heredity and evolution. The latter part of the course will deal with the organization of cells into tissues and their relation to the multicellular organism. Two lectures and six laboratory hours. Yocom. *Four hours, fall or winter term.*

108. *Comparative Anatomy*. A comparative study of the structure of typical chordates from the standpoint of the development of the individual and of the species, with reference to analogous structures in type invertebrates, and special inference to the structure of man. Every attempt is made to make a correlation between structure and function. Two lectures and six hours of laboratory work. Nichol. *Four hours, fall or winter term.*

109. *Mammalian Anatomy*. An intensive study of a typical mammal with special emphasis on its gross structure; and the correlation of structure with function. The course is comparative in that every attempt is made to apply the knowledge of the animal studied in the laboratory to the human body. One lecture and six hours of laboratory work. Nichol. *Three hours, winter term.*

110. *Advanced Invertebrate Zoology*. A course dealing with the morphology, taxonomy, habits, habitats, and life histories of invertebrate animals, with special reference to the local fauna in its relation to its environment. Lectures, readings, laboratory and field work. Two class periods and six hours of laboratory or field work. Yocom. *Four hours, spring term.*

111. *Human Physiology*. Circulation, Respiration, Digestion, Secretion and Excretion. A study of the metabolism associated with the assimilation, digestion and utilization of food materials, with the formation and elimination of waste substances and with the liberation and action of secretory products, and of the structural mechanism and physical principals concerned with these processes. Prerequisite: Chemistry 1a,b,c, and Physics 4-5-6. Three lectures and one laboratory period. Riddle. *Four hours, winter term.*

115. *Genetics*. An analysis and interpretation of genetic processes in the light of Mendelism and of its recent modifications. A discussion of the modern genetic problems. Prerequisite: course 103 or 107. Term problem, conferences, two lectures. Riddle. *Three hours, winter term.*

116. *Protozoology*. A course dealing with the problems of protozoa in their relation to the larger problems of biology. A study of the morphology, physiology and ecology of the free living forms with special reference to the parasitic forms as the causative agents in disease. Two lectures and six laboratory hours. Yocom. *Four hours, fall term.*

117. *Parasitology*. A consideration of animals in their relation to the cause and transmission of disease especially those important as producers of disease in man and domesticated animals. Two lectures and six laboratory hours. Yocom. *Four hours, winter term.*

120. *Special Problems*. Department Staff. *Hours to be arranged.*

121. *The Teaching of Animal Biology in the Grades*. Torrey. *Hours to be arranged.*

GRADUATE DIVISION

201a,b,c. *Seminar*. Torrey.

203a,b,c. *Research*. Topics to be arranged upon consultation with the professor in charge of the student's work. Department staff.

204a,b,c. *Problems in Cytology*. Yocom.

205a,b,c. *Genetics*.

207. *The Behavior of Organisms*. Torrey.

SCHOOL OF ARCHITECTURE AND ALLIED ARTS

THE FACULTY

P. L. CAMPBELL, B.A., LL.D.	President of the University
ELLYS FULLER LAWRENCE, S.M., F.A.I.A.	Dean of the School, Professor of Architecture
PERCY PAGET ADAMS, B.A., B.S.	Professor of Graphics and Assistant to the Dean
VICTORIA AVAKIAN	Instructor in Normal and Industrial Art
EYLER BROWN, B.A., M.Arch	Instructor in Architecture
AVARD FAIRBANKS	Assistant Professor of Sculpture
VIRGIL HAFEN	Instructor in Fine Arts
MAUDE KERNS, B.A., B.S.	Assistant Professor of Normal Art
CAMILLA LEACH	Art Librarian
E. H. MCALISTER	Professor of Structures
A. H. SCHROFF	Professor of Fine Arts
W. R. B. WILCOX	Professor of Architecture

ORGANIZATION AND DEGREES

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 five-year course in architecture. The degree of bachelor of arts or bachelor of science is offered those majoring in the art departments or in the structural option who comply with the general University requirements for that degree. The school offers training for students contemplating careers in architecture, structural design, painting, modeling, illustrating, various forms of commercial arts, interior decorating, and crafts. In connection with the School of Education, it offers special courses for art teachers.

The school is a member of the Association of Collegiate Schools of Architecture.

Students who major in any of the departments of the School of Architecture and Allied Arts should report to the dean or assistant dean of the school for assignment to advisers.

Students majoring in the departments of fine arts and normal arts are subject to the general entrance requirements of the University, while those majoring in the department of architecture are subject to the following entrance requirements:

(a) Fixed requirements	9 units		
1. English	3 units	3. History	1 unit
2. Mathematics:		4. Foreign Language	2 unit
Algebra	1½ units	(French or German preferred)	
Plane Geometry	1 unit		
Solid Geometry	½ unit	(b) Elective subjects	6 units

It is strongly recommended that the 6 units of elective work include, as far as possible, courses in the following subjects: English, advanced algebra, trigonometry, mechanical drawing, physics, chemistry.

For further information concerning entrance requirements, excess matriculation credits and special student standing, see section entitled University Procedure.

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 graduating with the best record; the Oregon chapter of the American Institute of Architecture offers the

prizes of \$20, and \$5 for the two seniors whose improvement in the last year's work in architectural design is greatest.

The alumni of the school have offered a prize for the best design submitted for the first project of the spring term among the seniors. The Holford prizes of \$20 and \$5 are offered for the two best water color sketches.

ARCHITECTURE

ARCHITECTURAL DESIGN

Architectural design is introduced in the first 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, detail, composition. Paper models of the building are finally made to give the student an early experience in the reality of the "third dimension."

In the second 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 solutions to the practical limitation of materials—requirements of plan and site.

The third, fourth and fifth year 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.

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 value secured in indication, lettering, composition, rendering, parti, architectural plan, section and elevation.

REGULATIONS GOVERNING THE AWARD OF THE DEGREE OF BACHELOR OF ARCHITECTURE

1. Trigonometry and an approved course in physics shall be prerequisites for Structural Theory (Construction III).

2. The student shall fulfil the entrance language requirement of the University and take one additional year of language in the University, excepting that students presenting three years of high school language shall not be required to take any language in the University.

3. A "data book" satisfactory to the dean shall be presented by the student each year, including the results of his research in design, construction, history and ornament and practice. The degree shall not be granted until such a data book is presented.

4. Each year a student may secure professional credits in excess of those called for in the above schedule, providing he shows in examination that he has had by experience or otherwise, the equivalent work.

5. In order to graduate, the student shall present at least 220 earned credits of which at least 147 credits shall be for work prescribed under graphics, delineation, design, construction, history, practice. He shall have clear records in physical education and military science. At least one year in residence shall be required.

6. A student may register in three credits of electives in addition to the scheduled elective subjects, providing his record for the preceding year shows no grade below III.

7. While the course of study has been prepared for students of average preparation and ability, it is not intended to preclude the graduation of students in less than five years who by experience or ability may be granted advanced credits in their professional subjects by examinations as provided in rule 4, or by presenting work in design as provided in rule 8.

8. Architectural design shall be offered under the point system. Before receiving the professional degree in this option, each student will be obliged to receive at least a passing grade in each course in design I, II, III, IV, V, VI, VII. By special permission of the dean, any student may proceed with the prescribed work of a course upon completion of the preceding course with a grade of III or better, and the registrar will enter to the student's credit such advanced credits as are certified to by the dean of the School of Architecture and Allied Arts.

COURSES OF STUDY IN ARCHITECTURE

DESIGN OPTION

(Five-year course leading to the Degree of Bachelor of Architecture)

FIRST YEAR	Fall	Winter	Spring
Graphics I	2	2	
Delineation I	2	2	3
Design I	1	1	1
Construction I			1
History I	1	1	1
Electives—Approved by advisers	8-9	8-9	8-9
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
	16-17	16-17	16-17

Electives recommended: mathematics, language, English, music, science (physics, chemistry, biology, geology, sanitation, zoology).

SECOND YEAR	Fall	Winter	Spring
Graphics II	2	2	2
Delineation II	2	2	2
Design II	2	2	2
History II	2	2	2
Physical Education	1	1	1
Military Science	1	1	1
Electives	6-7	6-7	6-7
	16-17	16-17	16-17

Electives recommended as in first year, with the addition of written English, logic, ethics and elementary philosophy.

THIRD YEAR	Fall	Winter	Spring
Delineation III	2	2	2
Design III	4	4	4
History III	2	2	2
Construction II	1	1	1
Construction III	3	3	3
(continued)			
Electives	4-5	4-5	4-5
	16-17	16-17	16-17

Electives recommended as above with the following additions: public speaking, astronomy, principles of economics.

FOURTH YEAR	Fall	Winter	Spring
Delineation IV	2	1	1
Design IV	4	5	6
Design V	1	1	1
Construction IV	1	1	1
Construction V	1	1	1
Construction VI	2	2	2
Electives	5-6	5-6	4-5
	15-17	15-17	16-17

Electives recommended as in other years, with the addition of: world literature, aesthetics, psychology.

FIFTH YEAR				
	Fall	Winter	Spring	
Delineation V	1	1	1	
Design VI	10	10	10	
Design VII	1	1	1	
History IV	2	2	2	
Practice	1	1	1	
	15	15	15	

STRUCTURAL OPTION

Professor McAlister in Charge

The freshman year is identical with that of the Design Option

SOPHOMORE				
	Fall	Winter	Spring	
General Physics	4	4	4	
Calculus	4	4	4	
Architectural History I	1	1	1	
Drawing	2	1	1	
Architectural Design II	2	1	2	
Working Drawings	3	2		
Elementary Mechanics		3	3	
Physical Education	1	1	1	
Military Science	1	1	1	
	18	18	17	
JUNIOR				
Mechanics	3	3	3	
Architectural History II	2	2	2	
Specifications	1	1	1	
Principles of Economics	4	4		
Surveying		2	2	
Strength of Materials	3	3		
Wooden Trusses			2	
Stresses			3	
Masonry			4	
Graphic Statics	2	2		
Written English	2	2	2	
	17	19	19	
SENIOR				
Reinforced Concrete	3	3		
Heating and Ventilation	3			
Electric Lighting and Wiring		3		
Mechanical Appliances			3	
Arches	3	3		
Foundations	3			
Steel Trusses	2	2		
Steel Frame Buildings		2	2	
City Planning	1	1	1	
Ethics and Business Relations		1	1	
Civilization and Art Epochs	2	2	2	
Hydraulics			3	
Thesis			6	
	17	17	17	

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 the eye, and, in cooperation with the School of Music, the perceptions of the ear. 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 perspective 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.

Lectures in civilization and art epochs begin with Cretan-Minoan civilizations and close with the "modernistic" tendencies of the present day, covering the whole of the "world history" from the viewpoint of the artist and archeologist.

COURSE OF STUDY FOR MAJOR STUDENTS IN FINE ARTS

FRESHMAN				
	Fall	Winter	Spring	
Elementary Still Life and Cast drawing	1	1	1	
Decorative Design	1	1	1	
Art Appreciation	1	1	1	
Color Theory	1	1	1	
Modeling	1	1	1	
Foreign Language	4	4	4	
Science or Social Science group	3-4	3-4	3-4	
Electives	3-4	3-4	3-4	
	15-16	15-16	15-16	
SOPHOMORE				
Foreign Language (continuation)	3-4	3-4	3-4	
Life Class	2	2	2	
Oil and Water Color	1	1	1	
Art of the Book and Poster	2	2	2	
Decorative Design	1	1	1	
Color Theory	1	1	1	
Group Requirement, or History and Appreciation of Music	2-3	2-3	2-3	
Military Science	1	1	1	
Physical Education	1	1	1	
Elective	3-4	3-4	3-4	
	15-16	15-16	15-16	
JUNIOR				
Advanced Water Color	1	1	1	
Civilization and Art Epochs	2	2	2	
Decorative Design	2	2	2	
Life Class	4	4	4	
Artistic Anatomy	1	1	1	
Advanced Modeling	1	1	1	
Written English	3	3	3	
Elective	3	3	3	
	16	16	16	
SENIOR				
Life Class	4	4	4	
Artistic Anatomy	1	1	1	
Mural Decoration and Stained Glass	1	1	1	
Decorative Design	2	2	2	
Advanced Modeling	1	1	1	
Oil and Water Color	1	1	1	
Electives	5-7	5-7	5-7	
	16	16	16	

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.

COURSE OF STUDY IN NORMAL ART

Professor Kerns in Charge

FRESHMAN	Fall	Winter	Spring
Major Subjects (required):			
Design I	2	2	2
Representation I	1	1	1
Representation I	1	1	1
Life Class	1	1	1
Art Appreciation	1	1	
Color Theory	1	1	1
Minor Subjects:			
French (required)	4	4	4
Electives: English outlines, history, music, political science, mathematics, laboratory science, or household arts.....	3-4	3-4	3-4
Required Freshman Subjects:			
Physical Education	1	1	1
Personal Hygiene	1	1	1
	15-16	15-16	15-16
SOPHOMORE			
Major Subjects (required):			
Design II	2	2	2
Representation II	1	1	1
Life and Costume	1	1	1
Instrumental Drawing	1	1	2
Minor Subjects:			
French (required)	3-4	3-4	3-4
Written English	3	3	3
Physical Education	1	1	1
	15-16	15-16	16-17
JUNIOR			
Major Subjects (required):			
Pedagogy	3	3	3
Dress Design	3	3	3
Pen and Pencil	1	1	1
Modeling	1	1	1
House Furnishing or Advanced Design	1-2	1-2	1-2
Minor Subjects:			
World History and World Literature (required).....	5	5	5
Elective:			
History, economics, political science, mathematics, laboratory science, physical education, music, or household arts	3-4	3-4	3-4
	16-17	16-17	16-17
SENIOR			
Major Subjects (required):			
Home Decoration	3	3	3
Applied Design	2	2	2
Civilization and Art Epochs	2	2	2
Supervised Teaching, 107 Education	4	4	4
Life Class	1	1	1
Minor Subjects: One course in following subjects: history, music, economics, political science, mathematics, household arts, laboratory science, or physical education....	4	4	4
	16	16	16

Description of Courses

ARCHITECTURE
DESIGN OPTION

For students taking the five-year design course leading to the degree of bachelor of architecture, the general courses of the School of Architecture are grouped under six main divisions, namely: graphics, delineation, design, construction, history and practice.

1a,b. *Graphics I*. First year. The principles of orthographic projection are studied, applications being made to the construction of plans and elevations and correct location of shades and shadows for design problems.
Two hours, fall and winter terms.

2a,b,c. *Graphics II*. Second year. The principles of descriptive geometry are studied in relation to the point, line and plane. Applications of these principles are applied to problems in stereotomy and perspective.

Two hours, each term.

5a,b,c. *Delineation I*. First year. Freehand drawings from still life are executed in charcoal. The students' dimensional perceptions are developed through the medium of clay modeling, while the color sense is properly trained by a study of color theory and its applications.

Two hours, fall and winter terms;

Three hours, spring term.

6a,b,c. *Delineation II*. Second year. The training of the hand and dimensional perceptions is continued by further freehand drawing, while the color sense finds an application in the making of water color drawings.

Two hours, each term.

7a,b,c. *Delineation III*. Third year. This is a continuation of the work of the previous year in life, drawing, modeling and water color.

Two hours, each term.

101a,b,c. *Delineation IV*. Fourth year. The training of the hand and eye is now carried on by drawing and modeling from living models.

Two hours, fall term; one hour winter and spring terms.

102a,b,c. *Delineation V*. Fifth year. This year is given to the design and execution of mural paintings and cartoons for stained glass, mosaic, etc.

One hour, each term.

10a,b,c. *Architectural Design I*. First year. This is an introductory course in architectural design. Fundamental principles are studied and rendered drawing are executed. The orders of architecture are explained and used to train the memory and sense of proportion. Problems involving their application are studied and executed in rendering drawings.

One hour, each term.

11a,b,c. *Architectural Design II*. Second year. Architectural design is studied by means of simple problems in planning, whose solutions require well executed drawings.

Two hours, each term.

12a,b,c. *Architectural Design III*. Third year. The work of the preceding year is continued by means of more complex problems in architectural design. The relation of planning to design is carefully studied.

Four hours, each term.

105a,b,c. *Architectural Design IV*. Fourth year. This is another year of studies in architectural design and planning.

Four hours, fall term; five hours, winter term; six hours, spring term.

106a,b,c. *Architectural Design V*. A study of the principles and requirements incident to domestic architecture is applied to the execution of plans and elevations of residence buildings.

One hour, each term.

107a,b,c. *Architectural Design IV*. Fifth year. A continuation of design IV. Intensive study of planning and rendered drawings. A thesis is planned and executed.

Ten hours, each term.

108a,b,c. *Architectural Design VI*. Fifth year. The principles and practice of city planning are discussed and applications suggested.

One hour, each term.

15. *Construction I.* First year. Students are introduced to construction methods by means of direct observation of buildings under construction. These observations are made the basis of class discussion and calculations.

One hour, spring term.

16a,b,c. *Construction II.* Third year. Scale and full size details of building construction are studied and drawings executed. Buildings under course of construction are visited and notes taken as to details.

One hour, each term.

110a,b,c. *Construction III.* Third year. This course is intended to follow trigonometry and involves the application of mathematics to the designing of structures.

Three hours, each term.

111a,b,c. *Construction IV.* Fourth year. This course is intended to give a general knowledge of various special subjects such as building materials, as stone, concrete, steel, etc.; heating; plumbing; ventilation; acoustics; illumination: mechanical equipment of buildings; etc.

One hour, each term.

112a,b,c. *Construction V.* Fourth year. Students are assigned to make inspection reports on buildings under construction, paralleling a study of building specifications.

One hour, each term.

113a,b,c. *Construction VI.* Fourth year. A course in constructive design continuing the work of Construction III. Designs include trusses in wood and steel, plate girders, reinforced concrete, retaining walls, arches, etc.

Two hours, each term.

17a,b,c. *Architectural History I.* First year. A course in art appreciation intended to present a general historical background in the various branches of art, such as painting, sculpture, decorative design, stained glass, etc.

One hour, each term.

18a,b,c. *Architectural History III.* Second year. An intensive study of the historic styles of architecture, supplemented by individual research investigation of historic ornament.

Two hours, each term.

115a,b,c. *Architectural History III.* Third year. This course continues the work of Architectural History II.

Two hours, each term.

116a,b,c. *Architectural History IV.* Fifth year. The civilization and art epochs of former generations are studied in their relations to each other and to present day art.

Two hours, each term.

120a,b,c. *Architectural Practice.* Fifth year. Office management, business relations, professional ethics, etc., are studied and discussed.

One hour, each term.

GRAPHICS

LOWER DIVISION

51a,b. *Descriptive Geometry.* An analytical study of the subject of projections, giving a thorough groundwork for all branches of drafting. Problems in the 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.

CONSTRUCTION

53a,b,c. *Instrumental Drawing.* For students in normal art. Practice in the use of drawing instruments, making simple plans and elevations. Geometric drawing, projections and perspectives are made the basis of the problems.

One hour, each term.

54a,b,c. *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.

55. *Perspective.* The principles involved in the construction of perspective drawings. 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 to conditions that arise in practice.

Two hours, winter term.

57. *Advanced Mechanical Drawing.* Application of course 54 to drawing machine parts. Empirical rules for machine drafting.

Two hours, spring term.

58. *Stereotomy.* Methods of drawing and laying out the work for stone cutting.

Two hours, winter term.

CONSTRUCTION

LOWER DIVISION

61a,b. *Working Drawings.* Scale and full size drawings of various details of building construction, such as windows, doors, cupboards, stairways, fireplaces, cornices, etc.

Three hours, fall term; two hours, winter term.

62a,b. *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 plot 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,b. *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, winter and spring terms.

162a,b. *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 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 for constructive purposes. Proper design of the truss joints.

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. *Three hours, spring term.*

166. *Special Subjects*. Heating, plumbing, ventilation, acoustics and illuminating. A concise presentation of the underlying principles for design option students. *One hour, fall term.*

167a,b. *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 in their relations to the different types of structures; such as stone, concrete, iron, steel, wood, tile, etc. Adams. *One hour, fall term.*

170a,b. *Reinforced Concrete*. The underlying principles upon which the design of reinforced concrete construction is based. Problems in designing simple beams and columns. Practical working formulas and data. McAlister. *Three hours, fall and winter terms.*

171. *Masonry*. The various uses of brick and stone in building construction in their relation to strength and durability. Bonding; relieving arches; limits; strength of walls; bearing plates; footings, etc. Applications of descriptive geometry to stone cutting. *Four hours, spring term.*

172. *Heating and Ventilation*. The various methods of heating and ventilation. The fundamental principles governing the efficiency and adaptability of the systems to practical problems. Calculations 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 and 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,b. *Arches*. The theoretical and practical consideration involved in the design of arches in stone, brick and concrete, applied to problems in practice. *Three hours, fall and winter terms.*

177a,b. *Steel Trusses*. The sizes of members of steel trusses calculated from their stresses. Pin connected and riveted joints in steel trusses designed and investigated. *Two hours, fall and winter terms.*

178a,b. *Steel Frame Buildings*. Considerations involved in the calculation and design of the steel frame structures. Floor systems; types of columns; riveting. *Two hours, winter and spring terms.*

FINE ARTS

LOWER DIVISION

20-21-22. *Elementary Still Life and Cast Drawing*. Elementary painting from still life, and out of doors in oil, water-colors and pastels. One three-hour period per week. *One hour, each term.*

23-24-25. *Water Color and Oil Painting*. Still life studies of pottery bric-a-brac, drapery, outdoor landscape, etc. Painting from nature when weather permits. Representation, composition and technique are studied in this course. The mediums used are oil, water color, charcoal and pencil, etc. Enrollment limited. *One hour, each term.*

26. *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.*

27-28-29. *Elementary Modeling*. Gives the student a general idea of the art and technique of sculpture. The course includes modeling from life, portrait modeling, and the study of composition. Fairbanks. *One hour, each term.*

30a,b,c. *Architectural Ornament*. The drawing, modeling and casting of historic forms of ornament. Fairbanks. *One hour, each term.*

31-32-33. *Life Class*. Studies of nude form from living models. *One to four hours, each term.*

41a,b,c. *Art Appreciation*. Intended for the general student who is interested in, but not specializing in, art, art history, crafts, decorative art, biographies of painters and sculptors, and analysis of great historic periods of design. Color plates, photographs, lantern slides and casts; assigned reading in the art library. *One hour, each term.*

42a,b,c, 43a,b,c. *Principles and Practices of Decorative Design*. 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.*

45a,b,c. *Art of the Book and Poster*. Lecture and laboratory of the principles and practices of the printing art. Laboratory training in designs that will reproduce effectively. Open to journalism and business administration majors. Schreff. *Two hours, each term.*

UPPER DIVISION

135a,b,c. *Cartoon for Mural and Stained Glass*. Practical problems worked out in the studio, leading to the production of actual work in stained glass, and interior decoration. Open only to seniors who have learned to draw the human figure and to create in color. Two three-hour periods a week. *Two hours, each term.*

141a,b,c. *Civilization and Art Epochs*. Lectures covering history, archaeology and evolution of all the art in the world. The influence of political, ecclesiastical, aesthetic and ethnological evolution upon art in every form; the influence of art of all times upon humanity. Illustrated by means of photographs, lantern slides, colored plates, etc. Prerequisite, upper division standing. *Two hours, each term.*

144a,b,c. *Advanced Modeling*. A continuation of elementary modeling. It is prepared for those more deeply interested in the art, and those who intend to make sculpture their profession. *One to five hours, each term.*

145. *Artistic Anatomy*. One lecture a week, each term.
One hour, spring term.

146a,b,c. *Advanced Architectural Ornament*. A more thorough study of ornament and the use of nature in the creation of ornamental design.
One hour, each term.

147a,b,c. *Sculptural Theory*. A lecture course for all students who are interested in sculpture. A brief survey of sculpture composition, processes, ideals and general history.
One hour, each term.

148a,b,c. *Advanced Sculptural Theory*. A continuation of course 147, with a more thorough study of sculpture history. *One hour, each term.*

NORMAL ART

LOWER DIVISION

91a,b,c. *Design I*. A study of art structure underlying the visual arts. Fundamental for all students, either for general information or for those preparing for special art work. Laboratory problems in pure design in line, dark and light, and color with application to craft and industrial art including linoleum and wood block prints, cards, embroidery, lamp shades, lettering and posters. Kerns.
Two hours, each term.

92a,b,c. *Design II*. A continuation of course 91. A study of nature forms, landscapes and human figure, applied to illustrations, magazine covers and decorative compositions. Paper on historic textiles with application to wood block, tie-dyeing and batik. Prerequisite, Design 91, a,b,c. Kerns.
Two hours, each term.

93a,b,c. *Representation I*. Principles of perspective. Proportion and the accurate rendering of form in studies of still life, flowers and plant form, interiors and landscapes, expressed through line, dark and light and color, using methods applicable to the presentation of the subject in grade and high schools. Emphasis on selection and arrangement of subject matter. Mediums used are pencil, charcoal, crayon, transparent and opaque water colors, cut paper and poster paints. Avakian.
One hour, each term.

91a,b,c. *Representation II*. A continuation of course 93 with more advanced problems along the same lines. Prerequisite 93a,b,c. Avakian.
One hour, each term.

95a,b,c. *Color and Harmony in Dress*. Illustrated lectures on appreciation of beauty of line, dark and light, and color in costume. The adaption of designs to the individual. The proper use of the fashion magazine. Textures and fabrics from standpoint of harmonious combination and suitability to person and occasion. The psychology and history of dress briefly outlined. No prerequisite. Open to students from other departments. One lecture, one laboratory. Avakian.
One hour, each term.

UPPER DIVISION

191a,b,c. *Pedagogy of Art*. Comparison of the leaders of art movements and methods of art teaching of the past and present. Discussion of subject matter, material and method of presentation; observation of

art classes in the city schools and University high school; working out of lesson plans and courses of study for grade and high schools; assigned readings. Illustrative material for teaching carried out in craft and industrial art processes. Two lectures, one hour laboratory. Kerns.
Two hours, each term.

192a. *Applied Design*. Cardboard construction and elementary book-binding. Readings in the history and development of the book, paper making and modern industrial processes employed in book binding. Study of illustrations of fine examples, leading toward a keener appreciation of good design and sound workmanship as applied to the craft. Prerequisite 91 and 92. Avakian.
Two hours, fall term.

192b,c. *Applied Design*. Pottery, including the building by hand and casting from moulds of tiles, bowl and vase forms, candle sticks and lamp bases; glazing and firing and the use of the potters' wheel; the making of tiles and garden pottery from cement. Special attention to beauty of form. Historical resume of the potter's craft through assigned readings. Prerequisites 91 and 92. Avakian. *Two hours, winter and spring terms.*

193a. *Applied Design*. Weaving. Raffia, reed and pine needle basketry; the preparation and dying of materials; various processes used in sewing and weaving; the gathering of local materials suitable for use; readings. Prerequisite, 91 and 92. Avakian. *Two hours, fall term.*

193b,c. *Applied Design*. Weaving; construction of simple hand-loom for use in the grades and the making of articles adapted to the needs and ability of the students; warping and setting up a four harness footpower loom for more advanced weaving. Both "laid in" and hedded patterns employed in the decoration of articles made which include bags, pillow tops, table runners, scarves, portieres and rag rugs. Brief reading in the history of textile manufacture together with study of the modern industrial loom. Prerequisites 91 and 92. Avakian.
Two hours, winter and spring terms.

195a,b,c. *Dress Design*. Study of line, dark and light and color as applied to dress design. Planning of modern costumes based on principles of design and color harmony adapted to individual requirements; study of historic dress and ornament with emphasis on possibilities for modern adaptations; special problems in period, stage and commercial design. Open only to upper division students. Prerequisites 91, 92, 93, 94, 31, 32. Avakian.
Three hours, each term.

196a,b,c. *House Furnishing*. Application of structural art principles to choice and arrangement of household furnishing. Required of majors, open to upper division students of other departments. No prerequisite. Kerns. One hour lecture, one hour laboratory.
One hour, each term.

197a,b,c. *Home Decoration*. A study of the history of articles of the home including silverware, pewter, pottery, china, porcelain, domestic and oriental rugs, textiles, period furniture, etc. Application of structural art principles in furnishing, gardens and house plans; spacing, values and color in interior decoration. Kerns. *Three hours, each term.*

SCHOOL OF BUSINESS ADMINISTRATION

THE FACULTY

PRINCE L. CAMPBELL, B.A., LL.D. (Colorado)	President of the University
EDWIN CLYDE ROBBINS, Ph.D. (Columbia)	Dean
MADLINE McMANUS, Ph.B. (Chicago)	Secretary
CARLTON E. SPENCER, LL.B. (Oregon)	Registrar of the University
M. H. DOUGLASS, M.A. (Grinnell)	Librarian
JAMES D. BARNETT, Ph.D. (Wisconsin)	Professor of Political Science
CHARLES E. CARPENTER, LL.B. (Harvard)	Professor of Law
PETER C. CROCKATT, Ph.D. (California)	Professor of Economics
EDWARD H. DECKER, LL.B. (Michigan)	Professor of Law
FRANKLIN E. FOLTS, B.A. (Oregon)	Professor of Banking and Finance
JAMES H. GILBERT, Ph.D. (Columbia)	Professor of Economics
WILLIAM H. GOETTLING, M.A. (California)	Associate Professor of Foreign Trade and Finance
WILLIAM GREEN HALE, LL.B. (Harvard)	Dean of the School of Law
PHILIP JANNEY, B.A. (Oregon) C.P.A. (Oregon)	Instructor in Accounting
C. L. KELLY, Ph.B. (Chicago) C.P.A. (Nebraska)	Associate Professor
ALFRED L. LOMAX, B.B.A. (Oregon)	Professor of Foreign Trade
J. J. McKNIGHT, C.P.A. (Ohio)	Associate Professor
R. JUSTIN MILLER, J.D. (Stanford)	Professor of Law
JAMES MILLER, J.D. (Chicago)	Associate Professor of Law
ROLAND M. MILLER, M.A. (California)	Professor of Labor Management
WILLIAM EDMUND MILNE, Ph.D. (Harvard)	Professor of Mathematics
FRANK A. NAGLEY, A.B. (Northwestern)	Assistant Professor in Marketing
MELVIN T. SOLVE, M.A. (Oregon)	Written and Spoken English
A. B. STILLMAN, (Oregon)	Instructor in Accounting
CLARENCE D. THORPE, M.A. (Michigan)	Professor of Written and Spoken English
FLORENCE WHYTE, B.A. (California)	Instructor in Commercial Spanish

ORGANIZATION AND PURPOSE

The School of Business Administration, organized as a distinct unit of the University of Oregon in 1914, is divided into an undergraduate and a graduate department. The State Board of Higher Curricula assigned to it as a special field the work in "higher commerce," with the exclusive right to offer graduate work in business training.

Accordingly, the School has built its curricula, both undergraduate and graduate, around one idea, the development of business executives. Each student in business administration is viewed as a future manager. This singleness of purpose enables the School to concentrate all its energies on the managerial and administrative aspects of business training rather than to spread them over the entire realm of commercial activity.

Sound training in business administration necessitates a broad knowledge of economics, law and liberal arts, and technical business procedure. Through careful correlation between the allied courses in economics, law, liberal arts and business administration, the School bases its training in business technique on a broad foundation of this character. In addition to such correlation, a series of management courses is offered each year which covers every phase of management, so that at the conclusion of his course each major has studied all aspects of business management.

Opportunity is also offered for specialization in some one field during the senior and graduate years. The various curricula are so arranged that a student may specialize in a subject as a whole, such as Accounting or

Banking, or he may specialize within a given field, i. e. he may study to become a Certified Public Accountant or the manager of a bank. In other words, the School is meeting the individual needs of each student.

GRADUATE DIVISION

Holders of a bachelor's degree from a standard college or university are admitted to the graduate division of the School of Business Administration.

Members of the graduate division who have previously completed at least forty-five term-hours of undergraduate work in business administration are normally able to earn the forty-eight hours necessary for the master's degree in one year.

Members who have not completed forty-five term-hours of undergraduate work in business administration will have to complete that amount of undergraduate work before proceeding upon the forty-eight hours required for the master's degree.

Of the work required for the master's degree, three hours are allowed for the thesis and a minimum of fifteen hours must be made in courses of strictly graduate work; that is, in courses open to graduate students only. The remaining work must be done either in strictly graduate courses or in approved upper division courses.

FIELDS OF TRAINING

Following is a brief summary of the fields available for specialization in the School of Business Administration. It will be seen that these fields include the vast majority of managerial positions in the business world. For instance, in the field of finance there are dozens of individual positions such as bond department manager, financial manager, bank manager, broker, bond buyer, bond and stock trader, financial sales manager, credit manager, etc. As stated above, the work of the school is so arranged as to give individual attention to the problems of each major.

Accounting. As business procedure grows more scientific, accounting becomes more and more urgently necessary. Thus the field offers increasing opportunity for persons of native ability and sound training. How faulty the average preparation is today is evidenced by the fact that upwards of 85 per cent of those who take the examinations to become certified public accountants fail.

The School of Business Administration offers two thorough courses in Accounting: 1—For those who are interested in securing positions in accounting departments of business firms, banks or manufacturing establishments, a four-year managerial course is open. 2—For those who wish to prepare for public accountancy, a five-year course is available. The latter work in addition to covering all the ground found in the four-year course, particularly stresses problems which confront the certified public accountant.

Finance. Since modern business is organized on a monetary basis, and money-making is regarded by many as a test of success in business, it is not strange that the field of finance itself is especially attractive. Every concern of size has its finance department which offers good positions to properly qualified persons. In addition, the rapid growth of banking institutions, bond houses, brokerage firms and investment companies of all kinds, has created a steady demand for young men and women who know the fundamentals of management, plus specific knowledge in a given line of financial endeavor. The School has so developed its finance courses that the student can specialize in any phase of that work.

Marketing. Producing goods is a highly technical process and in most instances depends upon extensive use of machinery combined with much technical information, but marketing the products (except transportation) is largely a matter where the personal element involved is a deciding factor. The fields of marketing include: (a) The management of retail and wholesale stores of all kinds; (b) sales management, which comprises not only the successful handling of a sales force but also the actual selling of the product; and (c) advertising management, which as taught by the School of Business Administration not only offers occasion for developing ingenuity by arousing the buyer's desire to purchase, but shows the relation of advertising programs to sound marketing development.

Foreign Trade. Because of the chance for travel in distant lands, foreign trade courses have always proved alluring to the college student, but stripped of all its romantic setting, this field still offers splendid opportunities. Economic writers are freely

predicting that the next great wave of prosperity in this country will rest primarily upon the sound development of our foreign trade. We have already reached the stage where normal domestic production far outruns normal consumption of domestic goods. New markets must be secured. This is especially true of the Pacific northwest with its many natural resources. Its advantageous situation relative to South American and oriental ports gives it unusual opportunities for engaging in foreign trade. The School offers training for foreign trade experts in import and export houses located in this country; and for salesman, auditors and resident managers of companies doing business in foreign lands.

Transportation. The rapid development of transportation as a part of modern business has created a demand for traffic managers. Such persons are needed not alone by (a) the railroads; but (b) by chambers of commerce and other civic bodies which have found it advisable to create traffic departments for the sound development of community enterprise; and (c) by manufacturing concerns and business houses of size that have found it highly desirable to establish their own traffic departments to facilitate the easy movement of their products.

Labor Management. Personnel or labor management is one of the new fields open in modern business. For many years the employers were content to place emphasis upon the development of machinery alone. That great economies could be realized through the proper conservation of the labor force did not occur to the employer until recently. Today, however, no successful manager can ignore this phase of business. This means that companies must employ experts in this line, and hence, there is an ever growing demand for both men and women who are qualified to act as personnel managers. The School offers a four-year course covering this field.

Business Administration and Household Arts. The call of business is strong in the ears of the modern girl but statistics show that upwards of 85 per cent of college girls marry. In order to give sound training for business and at the same time permit the student to qualify as manager of a household, the School of Business Administration, in conjunction with the department of Household Arts, offers a four-year combined course in Business Administration and Household Arts. This combined course assures the student of sound training in homekeeping and at the same time prepares her to assume positions in the business world. Some business opportunities depend upon the specific training offered in this group. For example, wholesale and retail organizations dealing with foods and food products are particularly desirous to obtain employees who have the combined knowledge of the elements of business and household management.

Chamber of Commerce Managers. Chamber of Commerce work is a field which is more and more attracting talented young men and women. The business of guiding the welfare of any town or city requires native leadership, tact and appreciation of community development, and is no longer left to chance, but is in the hands of specialists.

For the person who is anxious to engage in community work, few openings offer greater opportunity for real service and advancement. To those possessing native ability, splendid openings are available in the larger cities. Others use the experience they have gained in chambers of commerce as a basis for entering some business enterprise. The School offers a four-year course in chamber of commerce management.

Business Administration and Law. Many students enter the University hesitating whether to enroll in Business Administration or in Law. At many points the training in these two fields cross and the student properly trained in both business and law is doubly fortified to battle with the world. To meet an increasing demand for training of this kind the School of Business Administration and the School of Law offer a combined six-year course leading to the degree of bachelor of business administration on the one hand and the bachelor of laws on the other.

DEGREES

The School of Business Administration offers three degrees:

Bachelor of Business Administration for those who fulfill the University requirements and successfully complete 60 term-hours in their major subject, (40 hours of which must be upper division courses), and present an acceptable thesis on some phase of their major interest. (Foreign language is not required for this degree).

Bachelor of Arts for those who fulfill the University requirements including at least two years of foreign language and successfully complete 60 term-hours of work in business administration subjects of which 40 hours must be upper division courses.

Master of Business Administration for those who successfully complete 45 hours of approved graduate work.

SCHOLARSHIPS AND PRIZES

Phi Theta Kappa Scholarship. Phi Theta Kappa, national honorary commerce fraternity for women students, gives an annual scholarship of fifty dollars to a woman in the junior or senior class. This scholarship

is awarded on the basis of high scholastic standing and general student activities.

Beta Gamma Sigma Scholarship Record. Beta Gamma Sigma, national honorary commerce fraternity, has placed in the corridor of the Commerce building a permanent record plate on which appears the following inscription: "To honor outstanding scholastic attainment, Beta Gamma Sigma inscribes hereon annually the name of a freshman major in the School of Business Administration." The name of the freshman receiving the highest scholastic average for a year is inscribed on this record.

Life Insurance Prizes. Annually cash prizes amounting to fifty or more dollars are awarded to the students making the best sales demonstration of a real life insurance policy by the following companies: The Mutual Life Insurance Company of New York, The Massachusetts Mutual Life, Northwestern National Life Insurance Company, New York Life Insurance Company.

The Oregon Life Insurance Company has presented the School of Business Administration with a silver loving cup upon which the name of the winner of the contest each year is inscribed. In addition to the cup, the winner is presented with a personal memento from the company.

Whitfield, Whitcomb and Company Scholarship. This is a practicing scholarship in accounting. Each year the company will take one or two persons, recommended by the School of Business Administration, who are qualified from the standpoint of theoretical training and personality, into the firm to serve as junior accountants. The persons so chosen will be given a very complete training and at the same time receive a liberal salary.

BUREAU OF BUSINESS RESEARCH

The School of Business Administration maintains a Bureau of Business Research for the purpose of studying cost systems and problems of management in various business enterprises in the state. Through the results of thorough investigations the School is able to render definite assistance to the business men of the state respecting the sound management of their enterprises. The information so accumulated can be used as the basis for original investigations by the students in the School of Business Administration.

SPECIMEN CURRICULA

The curricula of the following four groups, Finance, Foreign Trade, Professional Accounting, Business Administration and Law, and Business Administration and Household Arts are given to illustrate the type of work which the School offers. The work in the remaining groups, Marketing and Selling, Transportation, and Chamber of Commerce will be sent by the School of Business Administration upon request.

COURSE OF STUDY IN ACCOUNTING

FRESHMAN	Fall	Winter	Spring
Constructive Accounting	4	4	4
Trade Routes and World Ports	5		
Manufacturing		5	
Economic History			5
*Elective	4	4	4
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
	15	15	15

FINANCE CURRICULUM

SOPHOMORE				
	Fall	Winter	Spring	
Written and Spoken English	3	3	3	
Principles of Economics	4	4		
Money and Banking			5	
Organization and Management	3			
Records and Statistical Management		3		
Risk Management			3	
*Elective	3	3	3	
Military Science	1	1	1	
Physical Education	1	1	1	
	15	15	16	
JUNIOR				
Finance Management	5			
Market Management		5		
Salesmanship and Advertising Management			5	
Law of Contracts	4			
Law of Sales of Personal Property		2		
Law of Agency		2		
Law of Partnership			2	
Law of Corporation			2	
Accounting Theory and Auditing	3	3	3	
Public Finance	4	4		
Conservation of Natural Resources			3	
*Elective	2	2	2	
	18	18	17	
SENIOR				
Labor Management	4			
Production Management		2		
Personal Efficiency Management		2		
Advanced Problems in Management			4	
Advanced Accounting Theory and Auditing	3	3	3	
Income Tax	3			
Cost Accounting		3	3	
Seminar	2	2	2	
*Elective	4	4	4	
	16	16	16	
GRADUATE				
C. P. A. Problems	3	3	3	
Systems	5	5	5	
Seminar	2	2	2	
Law	5	5	5	
	15	15	15	

* All electives starred must be selected from courses given outside the School of Business Administration.

COURSE OF STUDY IN FINANCE

FRESHMAN				
	Fall	Winter	Spring	
Constructive Accounting	4	4	4	
Trade Routes and World Ports	5			
Economic History		5		
Manufacturing			5	
*Elective	4	4	4	
Military Science (men) or Personal Hygiene (women)	1	1	1	
Physical Education	1	1	1	
	15	15	15	
SOPHOMORE				
Written and Spoken English	3	3	3	
Principles of Economics	4	4		
Money, Banking and Crises			5	
Organization and Management	3			
Records and Statistical Management		3		
Risk Management			3	
*Elective	4	4	4	
Military Science (men) or Personal Hygiene (women)	1	1	1	
Physical Education	1	1	1	
	16	16	17	

FOREIGN TRADE CURRICULUM

JUNIOR				
	Fall	Winter	Spring	
Salesmanship and Advertising Management	5			
Finance Management		5		
Marketing Management			5	
Law of Contracts	4			
Law of Agency		2		
Law of Sales of Personal Property		2		
Law of Partnership			2	
Law of Competition			2	
Public Finance	4	4		
Conservation of Natural Resources			3	
*Elective	3	3	3	
	16	16	15	
SENIOR				
Labor Management	4			
**Elective		4		
Business Policies			4	
Investments	3	3		
International Banking			5	
Banking Procedure and Practice		4		
Life Insurance	3			
*Elective	4	4	4	
Thesis	2	2	2	
	16	17	15	

*Electives to be selected from courses listed outside of the School of Business Administration.

**Elective in business administration to be selected upon consultation with adviser.

COURSES OF STUDY IN FOREIGN TRADE

FRESHMAN				
	Fall	Winter	Spring	
Economic History	5			
Trade Routes and World Ports		5		
Manufacturing			5	
Constructive Accounting	4	4	4	
Foreign Language	4	4	4	
Military Science (men) or Personal Hygiene (women)	1	1	1	
Physical Education	1	1	1	
	15	15	15	
SOPHOMORE				
Written and Spoken English	3	3	3	
Organization and Management	3			
Risk Management		3		
Records and Statistical Management			3	
Principles of Economics	4	4		
Money, Banking and Crises			5	
Foreign Language (continuation)	4	4	4	
Military Science	1	1	1	
Physical Education	1	1	1	
	16	16	17	
JUNIOR				
Finance Management		5		
Marketing Management			5	
Salesmanship and Advertising Management	5			
Railroad Economics	4			
Water Transportation		4		
Control of Carriers			4	
Law of Contracts	4			
Law of Agency		2		
Law of Sales of Personal Property		2		
Law of Competition			2	
Law of Partnership			2	
*Elective	4	4	4	
	17	17	17	

SENIOR	Fall	Winter	Spring
Labor Management	4		
Production Management		2	
Personal Efficiency Management		2	
Advanced Management Problems			4
Principles of Foreign Trade	5		
Technique of Foreign Trade		5	
International Finance			5
*Elective	6	6	6
	15	15	15

*Electives to be selected from courses listed outside of the School of Business Administration.

BUSINESS ADMINISTRATION AND HOUSEHOLD ARTS

FRESHMAN	Fall	Winter	Spring
Constructive Accounting	4	4	4
Economic History	5		
Trade Routes		5	
Manufacturing			5
Clothing or Chemistry	3-4	3-4	3-4
Physical Education	1	1	1
Personal Hygiene	1	1	1
	14-15	14-15	14-15

SOPHOMORE	Fall	Winter	Spring
Written and Spoken English	3	3	3
Principles of Economics	4	4	
Organization and Management			3
Money, Banking, and Crises			3
Foods (or Chemistry)	4	4	4
Elective	4	4	
Physical Education	1	1	1
	16	16	16

JUNIOR	Fall	Winter	Spring
Salesmanship and Advertising Management	5		
Marketing Management		5	
Finance Management			5
Foods or Clothing	3	3	3
Contracts	4		
Agency		2	
Money, Banking, and Crises			5
Bills and Notes		2	
Law of Partnership			2
*Elective	4	4	4
	16	16	16

SENIOR	Fall	Winter	Spring
Home Nursing	3		
Child Care		3	
Household Sanitation			3
Advertising	3	3	
Advanced Problems in Management			4
Labor Management	4		
Production Management		2	
Personal Efficiency Management		2	
*Elective	6	6	3
	16	16	16

*Electives to be selected from courses listed outside of the School of Business Administration.

THE SIX-YEAR BUSINESS ADMINISTRATION-LAW COURSE

FRESHMAN	Fall	Winter	Spring
Constructive Accounting	4	4	
Trade Routes and World Ports	5		
Economic History		5	
Manufacturing			5
*Elective	4	4	4
Military Science	1	1	1
Physical Education	1	1	1
	15	15	15

SOPHOMORE	Fall	Winter	Spring
Risk Management	3		
Records and Statistical Management		3	
Organization and Management			3
Principles of Economics	4	4	
Money and Banking			5
Written and Spoken English	3	3	3
*Elective	4	4	4
Military Science	1	1	1
Physical Education	1	1	1
	16	17	17

JUNIOR	Fall	Winter	Spring
Finance Management	5		
Marketing Management		5	
Salesmanship and Advertising Management			5
Public Finance	4	4	
Conservation of Natural Resources			3
Labor Management	4		
Advanced Problems in Management			4
Production Management		2	
*Elective	3	3	3
	16	14	15

Advanced Work. The Law School part of this combined course will consist of the regular law course of three years. The first year of work in the Law School is fully prescribed, and consists of the following courses: Agency, Contracts, Criminal Law, Personal Property, Procedure I (introduction to law and the use of law books), Procedure II (brief-making), Real Property, and Torts. In the second and third year some election is provided for, and selection may be made from the following courses: Bankruptcy, Bills and Notes, Corporations (private) Corporations (municipal), Constitutional Law, Equity, Evidence, Insurance, Mortgages, Code Pleading, Oregon Practice, Office Practice, Trial Practice, Public Utilities, Real Property, Sales, Trusts, and Wills.

*Electives to be selected from courses listed outside of the School of Business Administration.

Description of Courses

LOWER DIVISION

Required Courses

1. *Trade Routes and World Ports.* 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 industries adjacent to each port, and the principal interior cities of each country. Primarily a freshman course. Lomax, Goettling. *Five hours, any term.*

2. *Manufacturing in the United States.* Use of the natural resources of this country as well as those which have been introduced by settlers and have now become a leading source from which articles are manufactured. It follows logically the path of economic history, emphasizing events which have had a part in building up certain industries. The history of cotton, wool, leather, iron, and industries important in the economic life of the nation. Primarily a freshman course. Lomax. *Five hours, spring term.*

3a,b,c. *Constructive Accounting.* An introduction to the entire field of accounting and to business administration. A study of proprietorship from the standpoint of single ownership, partnership and corporation organization. Accounting systems from the simple to the complex are constructed from the basic accounting principles. Financial statements and the collection, interpretation, and comparison of their data. Required of all majors and fundamental to all advanced courses in Business Administration. Folts, Stillman and assistants. *Four hours, each term.*

Constructive Accounting is prerequisite to the following series of sophomore courses:

9. *Organization and Management.* A study of the rise of management in modern business and the principles of organization and executive control which are found in every business enterprise. The principles of plant, factory, office, executive management, etc. Robbins, McManus.

Three hours, fall term.

10. *Records and Statistical Management.* The elementary principles of statistics, methods of scientific study and interpretation of economic and social phenomena. Sources and collection of statistical data, accuracy, causes of error, forms of average, index numbers, business barometers, and the tabular and graphic presentation of statistical results. Nagley.

Three hours, winter term.

11. *Risk Management.* The various kinds of risks and uncertainties dealt with in actual business, methods of dealing with them, and training in the formation of business judgments. Kelly.

Three hours, winter or spring term.

UPPER DIVISION

Constructive Accounting and Principles of Economics are prerequisite to all upper division courses in Business Administration.

Required Courses

113. *Finance Management.* The principles underlying modern business analysis of the financial organization of production, marketing and expansion under the individual, partnership, and corporation from the manager's point of view. Folts.

Five hours, any term.

114. *Market Management.* The economics of marketing, the work of the purchasing agent and market management from the manager's point of view.

Five hours, winter term.

115. *Salesmanship and Advertising Management.* Principles of salesmanship and advertising. Phases of selling and advertising and practice in market analysis, sales personnel administration, formulation of sales and advertising policies, planning campaigns, etc. This is studied from the point of view of the general manager. Nagley, Whittaker.

Five hours, spring term.

Courses 116-118 constitute a sequence known as The Manager's Use of Law.

116. *Law of Contracts.* Formation of contracts, including capacity of parties to contract, offer, acceptance and consideration, legality and form; interpretation of contracts; operation of contracts; discharge of contracts. Decker.

Four hours, fall term.

117. *Law of Sales of Personal Property.* Subject matter of sale; executory and executed sales; bills of lading and the effect thereof on the title to the goods; seller's lien and right of stoppage in transitu; fraud; warranty and remedies for breach of warranty; statute of frauds. Hale.

Two hours, winter term.

118. *Law of Partnerships.* The general nature and formation of partnerships, the natural rights and obligations of partners, the relation of the partners to third persons and the dissolution of the partnership.

Two hours, winter term.

119. *Law of Bills and Notes.* A comparison of simple contracts with negotiable instruments (contracts) with the object of developing the fundamentals of form, mode and effect of negotiation and rights and liabilities of parties. Case work. Prerequisite, course 116. Hale.

Two hours, spring term.

120. *The Law of Competition.* Dealing with combinations of labor and capital, strikes, boycotts, monopolies; the doctrine of conspiracy; unfair methods of competition, imitation of competitor's goods, etc.

Three hours, spring term.

121. *Private Corporations.* The forms of corporations, directors and administrative officers, stocks and the rights of stockholders and foreign corporations. Not given 1923-24.

Two hours, winter term.

150. *Labor Management.* Survey of the scope and work of the labor manager. The technique of the various types of trade agreements, the application of scientific management to labor and the attitude of organized labor toward it; a consideration of the various means of industrial betterment employed by representative firms throughout the country. Prerequisite, senior or graduate standing, and prescribed work in economics, law, and business administration. Miller.

Four hours, fall term.

151. *Production Management.* Principles of production, including emphasis on the following problems; equipment, administrative organization, adjustment of relations of labor and capital, and the process of mercantile distribution. Prerequisite, senior standing, and prescribed work in economics, law, and business administration. Robbins.

Two hours, winter term.

152. *Personal Efficiency Management.* Methods of finding personal interests and qualities necessary to successful management. Outline of individual characteristics needed for specific kinds of positions. Possible improvement of present or undeveloped personal traits. Scientific approach to problems of business management. Prerequisite, prescribed work in economics, law, and business administration. Nagley.

Two hours, winter term.

153. *Advanced Problems in Management.* The relation of business policies to the business cycle. Emphasis upon the analysis of various cases actually existing in the business world. Effort is made to coordinate all the knowledge the student has received in economics, law, and business administration. Required of all majors. Prerequisite, senior standing and prescribed work in economics, law, and business administration. Robbins.

Four hours, spring term.

159. *Senior Thesis.* Subject for research in some field of special interest to be chosen upon consultation with major adviser. Required of all majors working for the degree of bachelor of business administration. Optional for majors working for degree of bachelor of arts.

Three hours, any term.

Optional Courses

160. *Bank Management.* The administrative problems of the bank, including problems of organization, administration, credit; relationship of the bank to the community; problems of personnel, advertising, etc. Not given 1923-24. Folts.

Three hours, fall term.

165a,b. *Investments*. Investment avenues and classes of investment securities as differentiated from speculation; analysis of investment securities of various classes, concluding with a study of the principles underlying successful investing. Goettling.

Three hours, fall and winter terms.

166. *Foreign Investment*. Foreign investment avenues and classes of investment securities; the importance of foreign investments from the standpoint of developing foreign trade as well as from the international standpoint. Prerequisite, 165a,b. Goettling. *Three hours, spring term.*

168. *Real Estate*. Business problems connected with the sale, purchase and management of real estate. Brokerage, contracts to real estate, liens, taxes and assessments, the transfer of titles, deeds, bonds and mortgages, leases, methods of arriving at the valuation of real estate, surveyors' relations to real estate, and the work of the architect, land registration. Not given 1923-24.

Three hours, one term.

169. *Advanced Statistics*. Sources, collection and interpretation of statistical data with special reference to managerial problems. Compilation and use of standardized record-keeping forms. Questionnaires and special investigations; records of business forecasting, market and industrial surveys. Graphic control of statistical data adapted to facilitate scientific management. Prerequisite course 9. Nagley.

Three hours, fall term.

170-171. *Business Advertising*. A study of the methods of advertising practiced in industrial and retail business, the principles involved in the construction of advertisements, including type arrangements, color, media and layout. The elements involved in the description of advertising campaigns and their relation to the different systems of merchandising and selling. Nagley.

Three hours, fall and winter terms.

175a,b. *Merchandising*. Methods and problems of marketing raw materials; market analysis and distribution of commodities from the manufacturer to the consumer; organization and interrelation of the different types of agencies; the distribution system in its relation to development of the retail store. Problems illustrating specific points developed by analysis and discussion. These problems are based on actual business experience and deal with the conditions determining demand, retail trade, wholesale trade, various trade markets and price policies. Whittaker.

Three hours, fall and winter terms.

177. *Advanced Salesmanship*. Research work in salesmanship problems. Open to qualified students who wish to specialize in the selling phase of business. Whittaker.

Three hours, fall term.

178. *Life Insurance*. Personal and business uses of life insurance; insurance administration; government control; methods of computing premiums; study of contracts. Whittaker.

Three hours, fall term.

179. *Property Insurance*. The economic and legal principles and leading practices upon which the various kinds of property insurance are based. Nature of the coverage, types of underwriters, types of contracts and their special application; analysis of the policy contract, special endorsements and the factors underlying the determination of rates. Whitaker.

Three hours, spring term.

180. *Principles of Foreign Trade and Export Management*. The mercantile system; free trade and protection doctrines; the various kinds of customs duties, and tariffs of the United States. The sales methods in the export department; location, office systems, different types; the export commission house, types, functions; use of the agent, types, agency contract, branch offices, traveling salesman training; foreign trade correspondence, catalogues, foreign advertising. Lomax.

Five hours, fall term.

181. *Foreign Trade Technique*. The technique of papers used in shipments to foreign countries and facilities utilized at seaboard. The export order; types of quotations; weights and measures; marks; export invoice; freight forwarders; bills of lading; custom house declaration; marine insurance; financing foreign shipments; letter of credit; cable codes; problems in C. I. F. and other forms of quotations. A classification of steamers according to service, structure and clearance papers; ocean terminal facilities, such as cranes, endless conveyors, the belt line, lighters. The development of a port. Lomax.

Five hours, winter term.

182. *International Finance*. The essentials of foreign banking, foreign exchange and foreign investments, all from the point of view of the business manager. Prerequisite, courses 180, 181. Lomax.

Five hours, spring term.

185a,b,c. *Foreign Trade Seminar*. Lomax and Goettling.

Two hours, each term.

190. *The Manager's Use of Accounting*. Primarily for students who have completed Constructive Accounting and want more training in managerial accounting, but do not wish to specialize in professional accounting. Analysis of budgetary control, profit and loss statements, distribution of costs, etc. Not given 1923-24. McKnight.

Five hours, one term.

191a,b,c. *Accounting Theory and Practice*. The underlying theory on which accounting records and statements are based. Statements of affairs, depreciation, analysis of profit and loss accounts, receiverships, balance sheet construction and problems. Required of accounting majors. McKnight.

Three hours, each term.

192a,b,c. *Advanced Accounting Theory and Auditing*. Application of the technical phases of accountancy. Professional training in practical accounting theory and auditing in preparation for the positions of auditor, comptroller or executive of large corporations. Prerequisite 191a,b,c and prescribed work in Business Administration. Required of accounting majors and open to graduates. McKnight.

Three hours, each term.

194. *Income Tax Procedure*. Income and excessive profits tax laws of the United States. Problems involving personal, partnership and corporate returns. Forms, law, regulations, treasury decisions involving modern points of law; decisions and rulings which affect business. Kelly.

Three hours, spring term.

195. *Cost Accounting for Industrials*. The principles and methods of factory cost accounting, with application to practical problems. Phases of industrial management necessary to the installation and operation of a modern cost system. Prerequisite senior standing and 192a,b,c, or equivalent. Kelly.

Three hours, winter and spring terms.

198. *Accounting Seminar.* Research work along special lines. Pre-requisite senior standing and consent of instructor. McKnight.
Two hours, each term.

GRADUATE DIVISION

200a,b,c. *C. P. A. Problems.* Intensive study of the problems and the questions asked by the examining boards of the various states as well as the American Institute of Accountants' examinations. Extensive practice in the solution of numerous problems, training the student to analyze correctly and gain correct form and desired speed in solving difficult problems, involving a knowledge of partnerships, executors' accounts, corporation accounts, revenue accounts, fire insurance, real estate accounts, manufacturing cost accounts, mergers, reorganizations, statement of affairs, realizations and liquidations, as well as law, income tax procedure and auditing. Prerequisite, graduate standing with adequate preparation to be determined by the instructor. Kelly.
Five hours, each term.

205. *Accounting Systems.* Installing accounting systems, methods of control, cost systems. Special business concerns are studied and systems worked out to fit particular situations as well as standard business practice. Report writing, including technique, style and form. Problems and research work. McKnight.
Five hours, each term.

214-215-216. *Foreign Trade Marketing.* The economics of marketing in trans-Pacific, Latin-American and European trade. Prerequisites graduate standing and courses 180, 181 and 182. Goettling.
Five hours, each term.

240. *Graduate Seminar.* Topics for presentation and discussion are selected in general conference from term to term. Department staff.
Two hours, each term.

259. *Research in Business Management.* Robbins.
Hours to be arranged.

260. *Graduate Thesis.* Robbins.
Three hours.

SCHOOL OF EDUCATION

THE FACULTY

PRINCE L. CAMPBELL, B.A., LL.D. (Colorado)	President of the University
HENRY D. SHELDON, Ph.D. (Clark)	Dean of the School of Education
BURCHARD W. DEBUSK, Ph.D. (Clark)	Educational Psychology
FRED L. STETSON, M.A. (Washington)	Secondary Education
CHESTER A. GREGORY, Ph.D. (Iowa)	School Administration
HARL R. DOUGLASS, M.A. (Missouri)	Teaching Practice
ANNE HARDY, A.B. (Stanford)	Educational Psychology

HAROLD BENJAMIN (Oregon)	Administrative Principal
ANNE LANDBURY BECK, B.A. (Oregon)	Music
MAUDE I. KERNS, B.S. (Columbia)	Art
ELBERT L. HOSKIN, B.S. (Hiram College)	Sciences
MARGARET B. GOODALL, B.A. (Oregon)	English
EDITH BAKER PATTEE, M.A. (Oregon)	French and Latin
PETER L. SPENCER (Oregon)	Mathematics
ETHEL WAKEFIELD, B.A. (Oregon)	Commerce, English
ROLLIEN DICKERSON, B.A. (Oregon)	History
EDNA C. ASSENHEIMER (Oregon)	Arithmetic, Geography
T. B. MCFADDEN (California)	Physical Education

JOHN F. BOVARD, Ph.D. (California)	Pedagogy of Physical Education
WILLIAM P. BOYNTON, Ph.D. (Clark)	Pedagogy of Physics
ROBERT C. CLARK, Ph.D. (Wisconsin)	Pedagogy of History
EDGAR E. DECOU, M.S. (Chicago)	Pedagogy of Mathematics
FREDERICK S. DUNN, M.A. (Harvard)	Pedagogy of Latin
HERBERT C. HOWE, B.A. (Cornell)	Pedagogy of English
FERGUS REDDIE, B.A. (Valparaiso)	Pedagogy of Public Speaking
FRIEDRICH G. G. SCHMIDT, Ph.D. (Johns Hopkins)	Pedagogy of Modern Languages
ALBERT R. SWEETSER, M.A. (Wesleyan)	Pedagogy of Botany
HARRIET W. THOMSON, B.A. (Michigan)	Pedagogy of Physical Education

Students in the School of Education receive instruction from practically all departments of the University. This list includes only the names of instructors giving courses especially designed for the students in the School of Education.

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 the educational efficiency in the state of Oregon. The new Education building, designed for the School of Education, gives commodious and well fitted quarters for the school.

OPPORTUNITIES FOR SPECIALIZATION

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 senior high schools.

- (3) Teachers for departmental work in junior high schools.
- (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.

THE UNIVERSITY HIGH SCHOOL

A model high school building on Alder street north of 16th avenue near the School of Education building houses the University High School. Here students may have an opportunity of observing the 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 application 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. Problems of discipline and organization are worked out.

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. The recommendation of the bureau will be limited to candidates who have taken courses as prescribed by the School of Education.

THE BUREAU OF EDUCATIONAL RESEARCH

Under the head of "The Bureau of Educational Research," provisions have been made for the purchase and distribution of all the standard tests, both mental and school achievement. These can be secured by anyone in the state at practically cost price. Such work is done under the immediate direction of Professors Gregory, DeBusk and Stetson.

DEGREES

The degree of bachelor of arts or of bachelor of science is conferred upon the students of the School of Education who have met the requirements of the College of Literature, Science and the Arts for the degree.

The degree of Bachelor of Science in Education is conferred upon students of the School of Education who have secured 186 hours of college credit and who have completed a prescribed curriculum in the School of Education.

The Graduate School of Education as a department of the Graduate School of Arts and Sciences, offers opportunities for graduate study and the earning of advanced degrees to those who have done their major work in Education.

TEACHERS' CERTIFICATE

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 complete 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 universities, authorizing them to teach only in the high schools of this State.
2. The holder of a one-year State certificate, issued in accordance with the provisions of this section shall, after six months' successful teaching experience in this State and upon the recommendation of the county superintendent of the county in which the applicant last taught, receive, without examination, a five-year State certificate authorizing him to teach only in the high schools of this State.
3. The holder of a five-year State certificate issued in accordance with the provisions of this section shall, after thirty months' successful teaching experience in this State and upon the recommendation of the county superintendent of the county in which the applicant last taught, receive, without examination, a State life certificate authorizing him to teach only in the high schools of this State.
4. The holder of a one-year State certificate, or a five-year State certificate, or a life 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

NORMS

After September, 1924, the University of Oregon will recommend no graduate to the state superintendent of public instruction for the general high school certificate who has not completed either (a) a major course of study and one "norm" of academic work; or (b) two such norms of academic work, in each case in addition to the professional requirements specified in the Oregon school law; provided, however, that students electing to take the two-norm course as distinct from a major course and one norm shall be required to register as students in the School of Education and proceed to the degree of Bachelor of Science in Education.

Following is the list of norms, intended to correspond to the main lines of high school teaching which are undertaken by the University's graduates.

LIST OF NORMS

I. ENGLISH		Term Hours
No. of Course—Title		
5,6,7—American Literature		9
130—Teachers' Course, Composition		8
1,2,3—Outlines of English Literature		12
20—Wordsworth		8
40,41,42—Shakespeare		9
175—Teaching of Literature		5
		41
II. HISTORY, CIVICS, ECONOMICS		
61,62,63—English History or		
41,42,43—Modern European History		12
71,72,73—American History		12
1—American Government		4
3a,b—Principles of Economics		8
—Sociology		3
		39
III. MATHEMATICS		
3—Advanced Algebra		4
4—Plane Trigonometry		4
5—Analytical Geometry		4
61a,b—Differential and Integral Calculus		8
105—Theory of Equations and Determinants		3
101—History and Teaching of Mathematics		3
		26

IV. LATIN		Term Hours
21a,b,c—Horace, Vergil and Livy	9	
22a,b—Latin Prose Composition	4	
22c—Plautus, Terence, Martial	2	
51a,b,c—Latin Elegy and Drama	9	
52a—Latin Prose Composition (2nd year)	2	
52b,c—Ovid, Catullus and Caesar (Civil War)	4	
161c—Latin Pedagogy	3	
	33	
V. FRENCH		
1a,b,c—Elementary French	12	
2a,b,c—Second Year French	12	
108a,b,c—French Literature	9	
106a,b,c—French Conversation	9	
	42	
For 108 students may substitute French Composition 106 and French Pronunciation 107.		
VI. SPANISH		
11a,b,c—Elementary Spanish	12	
12a,b,c—Second Year Spanish	12	
113a,b,c—Spanish Literature	9	
115a,b,c—Spanish Conversation	9	
	42	
For 113 students may substitute Spanish Conversation 117 or Commercial Spanish 160.		
VII. SCIENCE GROUP A (BIOLOGICAL)		
1,2,3—General Botany	12	
1a,b,c—Animal Biology	12	
1a,b and 2—General Geology	12	
—Pedagogical course in one subject	3	
	39	
VIII. SCIENCE GROUP B (EXACT SCIENCES)		
4,5,6—General Physics	12	
101—History and Teaching of Physics	3	
2a,b,c—Elementary Chemistry	12	
114-115-116—Electrical Measurements (9 term hours) and		
100—Laboratory Arts (3 term hours) or		
3,4,5—Analytical Chemistry	12	
	39	
IX. MUSIC		
1—Elements of Musical Science	9	
9,10,11—History and Appreciation of Music	6	
2—Contrapuntal Analysis	3	
3—Formal Analysis	3	
—Applied Music (Piano, voice, violin, organ)	2	
12a,b,c—Public School Music Methods	9	
13a,b,c—Scientific Music Reading	3	
—Practice teaching at least one year	7	
	42	
X. PHYSICAL EDUCATION		
Introduction to Physical Education	9	
Fundamentals of Physical Education	9	
102a,b,c—Play and Playground Management	7	
101a,b,c—Technique of Teaching	6	
—Coaching, at least one course	2	
—Participation in three sports under supervision (no credit)		
	33	

PROFESSIONAL CURRICULA

The following courses of study show the work in the School of Education which should be followed by students whose special interest lies in the field of secondary education, school administration, or special positions with defectives and delinquents. Related work in the college or in other schools of the University is shown when it is necessary in building the proper curriculum.

COURSES IN EDUCATION FOR MAJORS IN SECONDARY EDUCATION

	SOPHOMORE	Fall	Winter	Spring
Elementary cycle in education	3	3	3	

Courses for Principals (45 hours required).

	JUNIOR			
High School Problems,				
Theory and Observation of Teaching				
Mental Tests and Individual Differences, or	3	3	3	
Educational Hygiene	3	3	3	

	SENIOR			
*Supervised Teaching				
High School Administration and Supervision,				
Measurement in Secondary Education,				
Advanced Course in High School Teaching,				
The Junior High School. (Any three)	3	3	3	
Social Education, School Administration, or				
History of American Education	2	2	2	
Research	2	2	2	
Seminar	1	1	1	

*Normal graduates or teachers of considerable experience will be excused from practice teaching.

Courses for Teachers (36 Hours Required)

	JUNIOR	Fall	Winter	Spring
High School Problems, Special Methods, and				
Theory and Observation of Teaching	3	3	3	
Electives in Education	3-6	3-6	3-6	

	SENIOR			
Social Education				3
Supervised Teaching		3-5		
Advanced Course in High School Teaching	3			
Measurement in Secondary Education	3			
Junior High School		3		
Seminar				3

COURSES IN EDUCATION FOR MAJORS IN SCHOOL ADMINISTRATION

	SOPHOMORE	Fall	Winter	Spring
Elementary cycle in education	3	3	3	

	JUNIOR			
Mental Tests	3	3		
High School Problems				3
Theory and Observation of Teaching, Educational Hygiene.....	3	3	3	

	SENIOR			
Educational Tests and Measurements	3			
Organization of Common School Curricula		3		
School Administration				3
Research in School Administration	1-4	1-4	1-4	
*Supervised Teaching				
(Six hours from the following courses).				
History of American Education	2	2	2	
High School Administration and Supervision	3			
Grading and Evaluating the Materials of Instruction, and.....		3	6	
The Junior High School				3

*Normal graduates and teachers with considerable experience are exempted from observation and practice teaching.

COURSES IN EDUCATION FOR MAJORS PREPARING FOR SPECIAL POSITIONS
WITH DEFECTIVES AND DELINQUENTS

SOPHOMORE			
Elementary cycle in education	3	3	3
JUNIOR			
Psychology of Childhood	3	3	3
Introduction to Philanthropy	2	2	2
Social Pathology	2	2	2
Social Education	4		
Electives	4	8	8
Recommended that part of electives be in psychology.			
SENIOR			
Mental Tests	3	3	3
Educational Tests and Measurements			4
Systematic Psychology	3	3	3
Social Work	2	2	2
Electives	8	8	5
Three hours electives must be in education.			

FIFTH YEAR—FOR GRADUATES

Major:			
Thesis	3	3	3
Advanced Educational Psychology	2	2	2
Research	2	2	2
Electives	3	3	3
Minor:			
Advanced Experimental Psychology	2		
Advanced Physiological Psychology		2	
Higher Thought Processes and Volition			2
Electives	3	3	3

For social workers the fifth year is to be taken in the School of Social Work in Portland.

The School of Education provides a number of curricula, intended to provide training in such groups of allied subjects as must commonly be taught by the same teacher in a high school of moderate size. The curriculum for science teachers, given below, is typical of these.

COURSE FOR TEACHERS OF SCIENCE

This course, leading to the degree of bachelor of science in education, is characterized by its substitution of an extensive training in the fundamental sciences, which are commonly taught in high schools, for the customary major requirement in a single department. It prescribes basic courses in botany, physics, zoology and geology, and 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 beyond the prescribed fundamental course.

FRESHMAN			
Botany (or zoology)	4	4	4
Geology	4	4	4
Group and other elective	5-7	5-7	5-7
Physical Education	1	1	1
Military (men) or Personal Hygiene (women)	1	1	1
	15-17	15-17	15-17
SOPHOMORE			
Physics	4	4	4
Zoology (or botany)	4	4	4
Education	3	3	3
Group and other elective	4-5	4-5	4-5
Physical Education	1	1	1
Military (for men)	1	1	1
	16-18	16-18	16-18
JUNIOR			
Written English	3	3	3
Advanced elected Science	3-4	3-4	3-4
Observation of Teaching			
Electives	10	10	6
	16-17	16-17	15-16

SENIOR			
Practice Teaching		Fall	Winter
Department Methodologies			Spring
Electives			

The electives of the first two years must include at least one year-course of not less than three hours per term in either the first or the fourth group. They may well include such subjects as literature, foreign language, history or government, chemistry, mathematics, mechanics, mechanical drawing or household arts.

The upper division courses will include the courses in Education and Practice Teaching required for certification and at least two methodology courses (6 term hours). The remaining hours may be taken as free elective. Additional courses in the sciences already begun, or courses in mathematics, chemistry, physiology, astronomy or graphics will appeal to those who wish as complete a grasp as possible of the range of high school science.

Description of Courses

Practice Teaching is counted toward the certificate only when the student is regularly registered in Supervised Teaching, Education 107.

LOWER DIVISION

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

Three hours, any term.

52. *Social Aspects of Teaching.* The work of the teacher in relation to problems of social development. Socialization through class exercises, student activities, and school government. Discipline as a social process. Personal elements in teaching. The teacher's relations to the staff, the pupils, and the community. Standards of efficiency for teachers. Stetson.

Three hours, any term.

53. *Educational Psychology.* An introductory course dealing with topics most closely related to education such as nature of learning, learning curve, sensory-motor learning, educational learning, economical learning, retention of experience, individual differences, transfer of training. Open to students of sophomore standing. DeBusk and Hardy.

Three hours, any term.

UPPER DIVISION

105. *High School Problems.* Practical problems of the high school with which the teacher should be familiar, including: the purposes of high school education; support and controls of high schools; types of schools and curricula; the high school constituency; the organization of a high school; school routine; school equipment; control and instruction, measuring results.

Three hours, one term.

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. Prerequisite 51, 52 and 53. Douglass.

Three hours, any term.

107a,b. *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 courses 105 and 106. Douglass.

Three to five hours.

107x. *Educational Literature and Library Work*. A study of high school library problems. Students by taking this course with 107a,b are enabled to secure two terms' work and credit in connection with practice teaching. Sheldon and Douglass. *Hours to be arranged, winter term.*

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.

Three hours, one term.

109. *Methods in the Teaching of General Science*. A consideration of the functions, 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.

151-152-153. *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. Colonial period, 1607-1775; fall term. Early national, 1775-1860; winter term. Recent period, 1860-1920; spring term. Open to seniors and graduates who have met the practice teaching requirement. Sheldon.

Two hours, each term.

154. *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. Sheldon.

Three hours, spring term.

155. *Social Education*. A study of education in its social aspects, including primary social groups, the schools 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 seniors and graduates who have met the practice teaching requirements. Prerequisite, consent of instructor. Sheldon.

Three hours, fall term.

156. *Education and Ethics*. A consideration of education from the 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 155. Sheldon.

Three hours, winter term.

157. *Education System of Oregon*. A study of the history and larger administrative problems of the state of Oregon. The course will consist of a few lectures outlining the field and of thesis topics, worked up by members of the class. Should be taken in connection with 151-2-3. Sheldon.

Two hours, each term.

158. *Educational Club and Seminar*. Reports of current educational meetings, book reviews, discussions of special topics investigated by members. Sheldon and department staff.

One hour, each term.

161-162-163. *Psychology of Childhood*. First term, the psychology of normal children; second term, the learning of children; third term, exceptional children—delinquent, subnormal, and superior—with special reference to the problems involved in their education. Prerequisites, education 51, 52, 53 or psychology 1. DeBusk and Hardy.

Three hours, each term.

164-165. *Mental Tests*. First term, the mental test movement. The history and technique of giving and scoring, underlying psychological principles, consideration of some of the more important individual and group tests. Application of mental tests to schoolroom problems. Prerequisites, education 51, 52, 53, or psychology 1. Courses 164, 165, 166 make a year group. DeBusk and Hardy.

Three hours, fall and winter terms.

166. *Individual Differences*. Study of the individual differences in mental traits. Correlation of abilities and the educational problems involved. Prerequisites, education 51, 52, 53, or psychology 1. DeBusk.

Three hours, spring term.

167-168-169. *Educational Hygiene*. First term, hygiene of the school plant. Construction and sanitation, with special reference to the provision of a healthy school environment; second term, hygiene of the child. Consideration of those factors which effect the adjustment of the child to the school and its work; third term, hygiene of learning. Study of the problems of mental economy and control, fatigue, rest, play, organization of work, interference of association, etc. Open to qualified upper division students. DeBusk.

Three hours, each term.

171. *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. Gregory.

Four hours, winter term.

172. *Educational Tests and Measurements*. Designed to give the student a comprehensive view of the field of educational measurements. The use of tests and surveys. Special study of the need for measuring the materials, processes and products of education and the advantages and limitations of tests. Enough of the mathematics to understand measures of central tendency and measures of variation. Gregory.

Four hours, spring term.

173. *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. Gregory.

Four hours, spring term.

174. *Grading and Evaluating the Materials of Instruction.* Grading and evaluating the materials of instruction for the elementary school. The biological, psychological and sociological principles governing grading. Principles now operative in grading the materials of instruction and those principles which should govern such procedure. A library course presupposing a general acquaintance with educational literature. Gregory. *Four hours, one term.*

175. *Statistical Methods Applied to Education.* Method of statistical analysis, mathematical formulae applied to educational measurements. Drill in reading and interpreting statistics, problems to develop the technique of the subject. Drill in the graphic representation of results. Gregory. *Four hours, one term.*

178. *The Philosophy of Education.* A study of the broad fundamental principles and problems of education with some attempts at their solution. The meaning of philosophy; of the philosophy of education; principles, rules, formulae. The value of a correct philosophy of education for the teacher and the school administrator. How it may be made to function in all phases of school work. Open to seniors and graduate students. Gregory. *Three hours, winter term.*

181. *High School Administration and Supervision.* An analysis of the work of a high school principal. Organizing and equipping the school; teacher and pupil assignments; standardizing and administering routine; school records; supervision of instruction and of socialization; teachers' meetings; school morale; publicity and community relations; school finance; measuring school efficiency, and other significant topics. Stetson. *Three hours, one term.*

182. *Measurement in Secondary Education.* A study of the construction and desirable uses of various standard tests and scales for measuring achievements in secondary school subjects. Such elements of statistical method will be given as are necessary for intelligent use of the tests. Stetson. *Three hours, one term.*

183. *Advanced Course in High School Teaching.* Planned for students with teaching experience and for those who may later become supervisors or administrators. Deals critically with recent tendencies in technique of teaching. Classroom organization, pupil participation; teaching how to study; project teaching; standardized grading; use of community resources in instruction; the experimental attitude in teaching. Stetson. *Three hours, one term.*

184. *The Junior High School.* The causes leading to the development of the junior high school; the special purposes and opportunities of this type of school; problems of organization and administration; curriculum building; provisions for individual differences; instruction; exploration and guidance; school activities. Typical junior high schools will be studied. Stetson. *Three hours, one term.*

GRADUATE DIVISION

201a,b,c. *Problems in the History of Nineteenth Century Education and Civilization.* A technical course involving preparation in historiography. During the year 1923-24 special attention will be paid to the development of state education in England from 1750 to 1870. The library

is specially equipped with a collection of 300 volumes of source material for this field. This course should be taken along with History 211, special problems in English economic history during the 19th century. Donald Barnes, Sheldon, and Fish. *Two hours, each term.*

202. *Educational Psychology.* A discussion of the experimental material which seems most useful and relevant to educational psychology. Open to graduate students with preliminary training in education and psychology. DeBusk. *Two hours, each term.*

203a,b,c. *Problems in School Administration.* The problems to be selected will depend upon the previous training and future plans of the students taking the course. Each student will be expected to work at some phase of school administration which will not only make him an authority in that field but will also make a contribution to the facts and data now extant. Open only to students with at least one year's graduate training who have had courses 171, 172, 173, or their equivalents. Gregory. *Two hours, each term.*

204. *Experimental Problems in Teaching.* A research course in investigation of problems and methods of instruction. Douglass.

205. *Research Course in Secondary Education.* Open only to qualified graduate students who wish to do constructive work or carry on investigations in the secondary field. Due emphasis will be given to methods of procedure in research. Stetson. *Three hours, each term.*

206. *Research in Education.* Gregory.

207. *Research in Education.* Problems in educational psychology and in hygiene. DeBusk.

208. *Curricula in Geography and United States History.* The scientific determination of the materials in geography and United States history. Study and criticism of aims, processes and results. Comparison of courses now extant with aims. The development of methods and actual gathering of materials for different phases. Individual problems after a technique is developed. Open to students with one year graduate standing or equivalent, who have had courses 171, 172, 173 in education. Gregory. *Three hours, fall term.*

209. *Advanced Course in Mental Tests.* The history of the test movement; principles of test making; the application of tests to school problems; the definition of intelligence; average mental age of adults; the variability of the IQ; uses of tests in diagnosis. Open to graduate students only. DeBusk. *Two hours, three terms.*

210. *Educational Tests and Measurements.* Designed to give those who have had course No. 172 or its equivalent some practical training in the use of tests for diagnosis and the re-grouping of pupils for more efficient school work. A careful examination of the literature dealing with the use of school tests will be made. The practical uses and limitations of the whole testing movement will be features. Open to advanced and graduate students who have had at least one course in the fundamentals of measurements. Gregory. *Three hours, spring term.*

SCHOOL OF JOURNALISM

THE FACULTY

PRINCE L. CAMPBELL, LL.D. (Colorado)	President of the University
ERIC W. ALLEN, B.A. (Wisconsin)	Dean of the School
CARLTON E. SPENCER, LL.B. (Oregon)	Registrar of the University
M. H. DOUGLASS, M.A. (Grinnell)	University Librarian
COLIN V. DYMENT, B.A. (Toronto)	Professor of Journalism
GEORGE TURNBULL, B.A. (Washington)	Professor of Journalism
W. F. G. THACHER, M.A. (Princeton)	Professor of Advertising
ROBERT C. HALL	Associate Professor of Journalism and Director of the University Press
RALPH D. CASEY, B.A. (Washington)	Associate Professor of Journalism
WILLIAM G. HALE LL.B. (Harvard)	Dean of the School of Law and Professor of Law of the Press
LILIAN TINGLE (Aberdeen)	Professor of Home Economics Journalism

ORGANIZATION AND PURPOSE

Classes in journalism have been taught in the University since 1900. In 1912 a department of journalism was established, which has since been developed into one of the few well equipped and staffed schools of journalism in the country, with a complete practical equipment for the training of newspaper men and magazine, trade and class journalists. It is the only school of the kind in Oregon.

The purpose of the school is to prepare for the various branches of journalism and publishing, including the editorial, reportorial, critical, advertising, circulation and business departments, and to contribute, insofar as an educational institution may, to the progress of American journalism.

Already, former students of the school are owners of both daily and weekly newspapers; are reporters, editors, advertising managers, advertising agency men, advertising managers of department stores, trade journalists, circulation men, foreign correspondents, publishers, teachers of journalism, government representatives abroad, copy editors, managing editors, and special writers. Several are story writers and one has obtained a national reputation as a novelist.

EQUIPMENT

The School of Journalism is one of the best equipped in the country. It occupies its own three story brick building, in which, and in neighboring structures, it utilizes 26 rooms and offices. The school is well supplied with typewriters, copydesks, library facilities, seminar rooms and the conveniences necessary to the most practical work under very favorable conditions. Its principal copydesk is a testimonial gift from the newspapers of Oregon, embellished with a bronze plate expressing appreciation of the work of the school.

The school possesses an unexcelled technical laboratory in the University Press, which was founded to furnish instruction for journalism students in the practical branches, and which is now one of the important departments of the school. The University Press inventories at about \$30,000 and its equipment includes a large Optimus cylinder press, two smaller presses, two modern linotype machines, folding machines, stitchers, saws, trimmers, a power cutter, casters, a complete bindery, and everything requisite to the publication either of a weekly or a small town daily newspaper. In this laboratory, training is offered in the arts allied with journalism, such as advertising, etc.

COURSES OF STUDY

The School of Journalism offers five separate courses called options, and a considerable number of these options for persons preparing for various specialties. The options are writer's option, advertising option, manager's option, news executive's option and five-year journalism course. Of these the writer's option is given as typical:

WRITER'S OPTION

FRESHMAN	Fall	Winter	Spring
Elementary Newswriting	2	2	2
Foreign Language	4	4	4
Political Science	4	4	4
Animal Biology or Geology	4	4	4
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
	16	16	16

SOPHOMORE

Publishing and Printing	4	4	4
Proof-reading	1	1	1
World History, first year	3	3	3
World Literature, first year	2	2	2
Foreign Language, second year	3-4	3-4	3-4
Short Story	2	2	2
Military Science (men)	1	1	1
Physical Education	1	1	1
	16-18	16-18	16-18

JUNIOR

Reporting	3	3	3
Copy-reading	1	1	1
Trade Journalism	3	3	
Law of the Press			3
World History, second year	3	3	3
World Literature, second year	2	2	2
Principles of Economics	4	4	
Economics			3-5
	16	16	16

SENIOR

Editing	5	5	5
Sociology or Economics	3-5	3-5	3-5
Elective	6	6	3
Interpretative News Writing			3

Description of Courses

LOWER DIVISION

30-31-32. *Elementary Newswriting and News Gathering.* Fundamentals of general reporting, interviewing, news analysis, note taking, together with a study of news and lectures upon the modern newspaper. Turnbull. *Two hours, each term.*

50-51-52. *Publishing* and 53-54-55 *Printing.* To be taken separately, two hours each, only in very special cases. This course includes the study of type and its uses, the history of printing, book and newspaper standards, printing machinery and materials, the illustrative processes, cost accounting for printers, country journalism, and newspaper finance and administration, with laboratory in the print shop and practical business management. Allen, Hall. *Four hours, each term.*

58-59. *Proofreading.* Theory and practice. Turnbull.

One hour, two terms.

106a,b,c. *Copyreading*. The handling of material intended for newspaper publication; editing, correcting and revising any errors of fact, style and treatment, and accepting or rejecting according to standards of value. The theory of news values, and practice in news judgment. Headwriting. The full leased wires of the Associated Press and of the United Press are available for student use. Turnbull.

One hour, each term.

107-108-109. *Advanced Copy-reading*. Includes news room management and incidental executive training. Turnbull. *One hour, each term.*

120-121. *Trade and Class Journalism and Special Feature Writing*. The specialized journalism of the leading industries. Journals devoted to various professions and vocations. Class publications, with emphasis on those devoted to travel, recreations, the arts, sciences, etc. The principles of trade and class journalism. The special feature article for magazine and newspaper. Sources, subjects and types of articles. A review of magazine and syndicate markets. Prerequisite, courses 102 and 103. 120 is prerequisite to 121. Casey. *Three hours, fall and winter terms.*

125. *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. Dean Hale.

Three hours, spring term.

127-128. *Home Economic Journalism*. Intended to equip students as department editors for newspapers and magazines. Prerequisite, courses in reporting and copyreading, and not less than fifteen hours of work in household arts. Parallel courses as advised after conference. Tingle, Allen.

Two hours, winter and spring terms.

130-131-132. *Reporting*. Types of newsprinting in leading newspapers of the country. Methods of handling typical difficulties in news getting; interviewing. Assignments are given and prepared with a view to probable publication in some of the available university, town and state papers, and the student developed toward professional standards to the point where his news stories can be published in the daily papers with a minimum of editing. Turnbull.

Three hours, each term.

133. *Interpretative Newswriting*. The higher branch of reporting in which it is not enough to record the bare fact. Analysis of motives; study of probable consequences; exposition of the idea or principle underlying the fact. Political and economic news; interpretative magazine work. Prerequisite 130, 131, 132. Dymont.

Three hours, one term.

160-161-162. *Advertising*. Theory and practice. Definitions. The economic and social implications of advertising. The advertising agency. The "campaign" including a survey of methods of distribution and merchandising processes; preliminary investigations; the appropriation; the selection of media; newspapers, magazines, street-car cards, out door advertising, etc. Trade marks; checking the results. Retail advertising. Mail-order advertising. The mechanics of advertising, including typography, engraving, printing and book-making. Especial attention is given to the business of advertising as carried on by the publisher of a newspaper. Study and practice in the preparation of advertising copy of all kinds from the small newspaper advertisement to an elaborate booklet, including lay-out, use of illustration, color, and an application of the principles of psychology. Thacher.

Three hours, each term.

163-164-165. *Advertising Typography*. A laboratory course in which the student's type sense is developed by actual practice in the shop of the University Press. Thacher, Hall.

One hour, each term.

166-167-168. *Advertising Practice*. A laboratory course, which, as the "Emerald Advertising Service" cooperates with the Daily Emerald in the preparation of copy for advertisers. Thacher.

One or two hours, each term.

169a,b,c. *Advertising Seminar*. Open to a few advanced students for research and further study in advertising. Thacher.

Two hours, each term.

170-171-172. *Current Events*. A seminar course given occasionally, Allen.

One hour, each term.

180-181-182. *Estimating on Printing Jobs*. Elective for seniors who expect to work in smaller cities. Prerequisite, courses in publishing and printing. Hall.

Hours to be arranged.

183. *Business Management*. For seniors. Allen, Hall.

Two hours, spring term.

186-187-188. *Printshop Laboratory*. Advanced work in printing, and the management of job printing establishments. Hall.

Hours to be arranged.

193-194-195. *Editing*. Practical editing, study of contemporary newspapers. History of journalism in Europe and America. A consideration of journalistic ethics, theory of and practice in editorial writing, the analysis of news and propaganda, and of newspaper problems. Purposes to establish for the student points of permanent contact with the current intellectual life of the race. Intended for seniors. Allen.

Five hours, each term.

199a,b,c. *Thesis*. The School of Journalism occasionally provides for thesis work.

Two hours, each term.

GRADUATE DIVISION

200a,b,c. *Seminar*. A research course for students having the necessary preparation to enter a specialized field of original investigation. Allen.

Hours to be arranged.

For courses in short story (Thacher), advanced short story (Thacher), criticism, elements of style, and authorship (Thacher), see department of English in the University College section.

SCHOOL OF LAW

THE FACULTY

PRINCE L. CAMPBELL, B.A., LL.D. (Colorado)	.....	<i>President of the University</i>
WILLIAM G. HALE, B.S., LL.B. (Harvard)	.....	<i>Dean of the School</i>
CARLTON E. SPENCER, B.A., LL.B. (Oregon)	.....	<i>Registrar of the University</i>
M. H. DOUGLASS, M.A. (Grinnell)	.....	<i>University Librarian</i>
JAMES DUFF BARNETT, Ph.D. (Wisconsin)	.....	<i>Professor of Political Science</i>
EDWARD H. DECKER, B.A., LL.B., (Michigan)	.....	<i>Professor of Law</i>
JAMES A. MILLER, B.A., J.D. (Chicago)	.....	<i>Associate Professor of Law</i>
R. JUSTIN MILLER, B.A., J.D. (Stanford)	.....	<i>Professor of Law</i>
* SAM BASS WARNER, B.A., LL.B. (Harvard)	.....	<i>Professor of Law</i>
CHARLES E. CARPENTER, M.A., LL.B. (Harvard)	.....	<i>Professor of Law</i>

HISTORICAL

The Law School of the University of Oregon was originally established in the city of Portland in 1884 and was operated there as a night school until its removal to the campus of the University in Eugene in 1915. When the school was brought to the campus it was reorganized as a full-time day school and the entrance requirements were increased from a high school course to two years of college work. In December, 1919, the Law School was admitted as a member of the Association of American Law Schools.

THE LAW LIBRARY

The law library is arranged to give students and faculty easy access to the books. In content it is such as to serve every normal need of both students and faculty. It now numbers approximately eighteen thousand volumes and is receiving continual accessions. The library includes substantial gifts from the libraries of the late Lewis Russell, the late Judge Matthew P. Deady, and Judge W. D. Fenton. Judge Fenton's gift is known as "The Kenneth Lucas Fenton Memorial Library," and numbers about eight thousand volumes.

ADMISSION TO THE LAW SCHOOL REGULAR STUDENTS

For admission to the Law School the student must have completed ninety term hours of credit in the College of Literature, Science and the Arts, including the specific lower division requirements, or present satisfactory credentials covering equivalent work done in some other school or institution.

Pre-legal students should select their program of studies from the following list:

Freshman: Latin, English history, modern governments, accounting, mathematics, physics, extempore speaking.

Sophomore: American history, argumentation, Latin, principles of economics, business finance, railways and rate regulation, trusts and industrial combinations, philosophy, psychology, sociology, written English (prescribed).

SPECIAL STUDENTS

In exceptional cases students who have not complied with the regular admission requirements, may be admitted as special students. Such ad-

* On leave, 1922-23.

missions will be restricted to those who are at least 23 years of age and who have completed a four-year high school course, and who are otherwise deemed qualified by the dean of the school.

Not more than ten per cent of the entering class will be admitted as special students in any one year.

Neither admission nor attendance as a special student in the School of Law for one term shall give the right to continue as such in any subsequent term, nor a right to a degree. If a special student's record has been in any respect unsatisfactory, the dean may refuse permission to register or continue as a special student in any subsequent term.

Work carried as a special student for a three-year period will entitle one to take the state bar examination.

ADVANCED STANDING

A student may transfer not to exceed two years of credit earned in other schools of recognized standing, provided the credit was earned subsequent to the completion of the prescribed two years of academic work. The right to reject any and all such credits is, however, reserved.

COMBINED COURSES IN ARTS OR SCIENCE AND LAW AND IN COMMERCE AND LAW

SIX YEAR COURSE IN ARTS OR SCIENCE AND LAW

Students who wish to secure both arts and law or science and law degrees, may enter the Law school at the beginning of the senior year and count the first year of law toward both the collegiate and the law degrees, and by so doing may obtain the two degrees in six years from the date of their admission to the University.

If all requirements are complied with, the degree of bachelor of arts or of bachelor of science is conferred at the close of the first year in the Law school, and the degree of doctor of jurisprudence at the conclusion of the law course two years later.

The third pre-legal year in either of these combined courses may be profitably spent in English, history, economics, philosophy, and business administration courses. Such training will increase substantially one's professional opportunities.

SIX YEAR COURSE IN COMMERCE AND LAW

Present-day conditions make it highly desirable for the lawyer to have an adequate knowledge of sound business administration. Likewise, it is practically essential for a business man to have a knowledge of law. In order to provide such training for law and commerce students, the School of Law and the School of Business Administration are offering a combined six-year course in commerce and law. Students completing this work will receive the degrees of bachelor of business administration and doctor of jurisprudence. Any student who has taken this course is doubly fortified to go successfully into the business or legal world. Detailed information regarding the curricula may be secured from the dean of the Law school.

DEGREES

THE DEGREE OF BACHELOR OF LAWS (LL.B.)

Students who have acquired ninety term hours of pre-legal credits in this University or their equivalent in another institution of recognized collegiate rank, and who have successfully completed courses in law aggregating one hundred fifteen credits, 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 completed one year of college work in addition to a four-year high school course and who have maintained over the full three years of their law course an average mark of II, and who by reason of their exceptional ability and character are, in the opinion of the Law faculty, deserving of the honor, may be granted the degree of bachelor of laws.

THE DEGREE OF DOCTOR OF JURISPRUDENCE (J.D.)

The degree of doctor of jurisprudence (J.D.) will be granted to students who have received the degree of bachelor of arts, or bachelor of science from this University, or from some other institution of recognized collegiate rank, who have satisfactorily completed courses in law aggregating one hundred and fifteen term-hours and who have otherwise satisfied the requirements of the University and of the Law school. Since one year of law may be counted toward both the collegiate degree and the law degree, the requirements for the degree of doctor of jurisprudence may be satisfied by the successful completion of a combined six-year course.

ADDITIONAL DEGREE REQUIREMENTS

1. Any student who fails to obtain a minimum average of IV over the full three years of his law course shall not receive any law degree.
2. A total of at least three years resident study in this or in some other law school of recognized standing is required of every applicant for a degree.
3. No degree shall be conferred upon any student who has not spent at least one year in resident law study at this University.

HILTON PRIZE

Frank R. Hilton, Esq., of Portland, offers an annual prize of fifty dollars to the student who presents the best oral discussion of a legal subject selected by the faculty of the Law School.

THE OREGON LAW REVIEW

The Oregon Law Review is published quarterly under the editorship of the law faculty as a service to the members of the Oregon bar, and as a stimulus to legal research and productive scholarship on the part of the students.

REGISTRATION FEES

The law registration fee for all regular and special students and for partial students carrying more than six term hours in law, is ten dollars a term or \$30 a year. This fee is in addition to the University registration fee of \$11.25 a term.

Students registering late are required to pay the full registration fees for the term in which they register, and in addition, the penalty fees levied by the University for late registration.

Description of Courses

The Law School assumes that its primary duty is owed to the people of the state of Oregon. For this reason, special emphasis is placed on both Oregon substantive law and Oregon procedure. In all courses, reference is repeatedly made to Oregon decisions and statutes. The attention of the student is called particularly to courses 105, 107, 231, 232, 238 and 234, for a fuller statement concerning the procedural work.

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. In courses continuing more than one term, credit may be withheld until the course is completed.

FIRST YEAR COURSES

101a,b,c. *Contracts*. Formation of simple contracts, including mutual assent and consideration; contracts under seal; parties affected by contracts; operation of the statute of frauds; performance of contracts, including express implied conditions; illegality; impossibility of performance; discharge. Costigan, Cases on Contracts. Decker.

Three hours, each term.

102a,b. *Agency*. Nature of relation; appointment; liability of principle for agent's torts, contracts, crimes; liabilities of agent; parties to writings; undisclosed principal doctrines; delegation of agency; termination; ratification. Wambaugh's Cases on the Law of Agency. (2nd ed.) Carpenter.

Three hours, winter and spring terms.

103a,b,c. *Torts*. Trespass to persons, to real property and to personal property; excuse for trespass; 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; interference with social and business relations, fair and unfair competition, strikes, boycotts, business combinations. Ames and Smith, Cases on Torts (ed. 1909-1910). Carpenter.

Three hours, each term.

104. *Personal Property*. Distinction between real and personal property; acquisition of rights in personal property; gifts; bailments; liens; pledges; emblements; fixtures. Bigelow, Cases on Personal Property. James Miller.

Three hours, winter term.

105. *Procedure I*. Course on general legal conceptions and forms of action at common law. Legal bibliography; the use of law books. The course is intended as an introduction to law and a preparation for brief-making which is given during the second term. Decker.

Two hours, fall term.

106. *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 (2nd ed.) Justin Miller.

Four hours, fall term.

107. *Procedure II. Brief-Making*. During the first year all students taking law courses with a view to practicing law are required to prepare briefs on submitted statements of fact. The work consists of careful training in the analysis of questions of fact and law, the finding and application of the law to the facts, and the construction, step by step, of the formal legal brief. Justin Miller.

One hour, winter term.

108. *Real Property I. Introduction to Real Property*. Tenures; estates in land; reversions and remainders; conditional limitations and rights of entry; joint ownership; disseizin; uses and trusts. *II. Rights in Land*: Easements; profits a prendre; licenses; covenants running with the land; rents; surface and percolating waters; natural watercourses; lateral support. Biglow, Cases on Rights in Land. James Miller.

One hour, winter term; four hours, spring term.

SECOND AND THIRD YEAR COURSES

220a,b. *Equity*. Nature of equity jurisdiction; specific performance of contracts; affirmative contracts; negative contracts; relief for and against third persons; legal consequences of the right of specific performance; partial performance with compensation; consideration; marketable title; statute of frauds; part performance; defaults and laches; fraud, misrepresentation and concealment; mistake; hardship or unfairness; mutuality of equitable relief; bills for an account. Specific prevention and reparation of torts; prohibitory and mandatory injunctions for such torts as waste, trespass, nuisance, infringement of patents and copyrights; disturbance of easements. Ames, Cases on Equity, Jurisdiction, Vol. I. James Miller. *Three hours, fall and winter terms.*

221a,b. *Trusts*. Nature and requisite of trust; express, resulting, and constructive trusts; charitable trusts; nature of cestui's remedies against trustee; transfer of trust property by trustee or by cestui; bona fide purchase for value; liability of trustee to third persons; investment of trust funds; extinguishment of trust. Scott, Cases on Trusts. James Miller. (Not to be given 1923-24.) *Three hours, fall and winter terms.*

222a,b. *Evidence*. Respective functions of judge and jury; presumptions; burden of proof; judicial notice; rules relating to hearsay, opinion and character evidence; admissions and confessions; real evidence; evidence relating to execution, contents and interpretation of writing; the best evidence rule; the parol evidence rule; competency of witnesses; privilege of witnesses; examination of witnesses. Thayer, Cases on Evidence (2nd ed.) Hale. (Not to be given 1923-24.) *Three hours, fall and winter terms.*

223. *Sales of Personal Property*. Subject matter of sale; executory and executed sales; bills of lading; seller's lien and right of stoppage in transitu; fraud; warranty, and remedies for breach of warranty; statute of frauds. Williston, Cases on Sales. Hale. *Three hours, fall and winter terms.*

224. *Persons and Domestic Relations*. Marriage and divorce; parent and child; guardian and ward; infants; period of infancy and privileges and disabilities of infants; persons non compos mentis, and aliens. Kales, Cases on Persons, and Vernier, Cases on Marriage and Divorce. *Three hours, spring term.*

225. *Bills and Notes*. The law of checks, bills of exchange and notes, with a detailed discussion of: formal requisites; acceptances; indorsement, transfer, extinguishment; obligation of parties; diligence; special character; the effect of the negotiable instruments law. Colson's Huffcut, Cases on Negotiable Instruments. Hale. (Not to be given 1923-24.) *Four hours, spring term.*

226. *Real Property III*. Titles; conveyancing; original titles founded on prescription, adverse possession, and accretion; execution and delivery of deeds; description of property conveyed; creation of easements; covenants for title; estoppel by deed; dedication. Gray, Cases on Property (2nd ed.) Vol. III. James Miller. *Four hours, fall term,*

228. *Real Property V*. Wills; testamentary capacity and intent; signature; attestation; witnesses; incorporation by reference; revocation; republication and revival; probate and administration; grant and revocation of probate; title and powers of executors and administrators; payment of debts; payment of legacies. Costigan, Cases on Wills. James Miller. *Four hours, spring term.*

229. *Real Property VI*. Water rights. Course includes thorough discussion of subject of riparian rights and the doctrine of prior appropriation, including the qualifications attached to the general common law rules of riparian rights by Oregon law. Treatment of riparian rights includes use for power, domestic use, irrigation, pollution, use within riparian rights as confined to riparian land, need for damage as pre-requisite to a cause of action, extinguishment of riparian rights, discussion of special Oregon points.

Treatment of appropriation includes extent of and titles to appropriation rights, methods of initiating appropriation rights, ditch rights and water rights, priorities of specific use, loss and transfer of rights acquired by appropriation. The course likewise includes the law of drainage.

The course is intended to meet the demand existing for a systematized discussion of the water law of the state. It is framed not only for students expecting ultimately to practice in the arid sections of the state, but for those who are likely to encounter elsewhere problems arising from riparian ownership. Bingham, Cases of Water Rights, with supplementary stencil material. Justin Miller. (Not to be given 1923-24.) *Four hours, spring term.*

230. *Bankruptcy and Insolvency*. Fraudulent conveyances at common law and under the federal bankruptcy act; who may be a bankrupt; who may be petitioning creditors; acts of bankruptcy; what property passes to the trustee; provable claims; duties and powers of the bankrupt and trustee; protection; exemptions and discharge of bankrupt. Williston, Cases on Bankruptcy. James Miller. (Not to be given 1923-24.) *Three hours, fall term.*

231a,b. *Procedure III*. (a) Code pleading. Actions; parties; the complaint; demurrers; the answer; the reply. Hinton, Cases on Code Pleading, and selected Oregon cases. (b) Procedure before trial. Organization and jurisdiction of courts; court records and files; venue; limitation of actions; proceedings prior to trial, including process, motions, appearances and defaults. Oregon Codes and selected Oregon cases. Justin Miller. *Three hours, winter and spring terms.*

232. *Procedure IV*. Oregon Practice. Selection and instruction of juries; methods of introducing evidence; exceptions; findings; verdicts; the judgment, its entry and satisfaction; proceedings subsequent to judgment, including stay of execution, costs, execution, motion for new trial, appellate proceedings. Justin Miller. *Three hours, fall term.*

233. *Procedure V*. Office Practice. Practical exercises in drafting important legal papers, such as pleadings, contracts, conveyances, mortgages, wills, articles of incorporation; probate and administration proceedings; provisional remedies, such as attachment, arrest, etc; special proceedings. Justin Miller. *Three hours, winter term.*

234. *Procedure VI*. Trial Practice. Course in trying cases before juries. Each student tries one civil and one criminal case during the term. The facts on which each case is based are acted out, then pleadings are drawn in the Office Practice course, and in this course, the jury is selected, witnesses examined, and argument made to the jury. Members of the Oregon bench and bar act as judges. Justin Miller. *Three hours, spring term.*

235. *Suretyship*. Nature of the suretyship relation and the means of establishing it; rights of the surety, including indemnity, contribution,

subrogation and exoneration; rights of creditor to surety's securities; sureties' defenses against the creditor, both legal and equitable. Ames' Cases on Suretyship. Decker. *Three hours, winter term.*

240. *Conflict of Laws.* Nature of law; territorial limitation upon the operation of law as affecting persons and things, including domicile and taxation; jurisdiction of courts in proceedings in rem, in personam, quasi in rem, and for divorce; extraterritorial recognition of rights acquired under foreign law, including status of persons, rights of property, obligations ex contractu and ex delicto, judgments, inheritance laws, etc. Beale's Shorter Selection of Cases on Conflict of Laws. Decker. (Not to be given 1923-24). *Three hours, winter and spring terms.*

241. *Constitutional Law* (Political Science 101). Written and unwritten constitutions. The adoption and amendment of constitutions; the relations between the federal and the state governments; the legislature, executive and judiciary; the states and territories; the individual and the government. McClain, Cases on Constitutional Law. Barnett.

Four hours, fall term.

242. *Administrative Law* (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 or acts of officers; extraordinary legal remedies. Goodnow, Cases on Administrative Law. Barnett. *Three hours, winter term.*

243. *Corporations, Municipal* (Political Science 103). The nature, constitution, powers and liabilities of public corporations. Beale, Cases on Municipal Corporations. Barnett. *Three hours, spring 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. Barnett. *Four hours, spring term.*

245. *Corporations, Private.* Topics treated: the formation and reorganization of corporations; corporations distinguished from unincorporated associations; the problems of disregarding the corporate entity; the promotion of corporations and the liability of promoters; the problems of watered stock; the extent and exercise of corporate powers; the rights of persons to attack the legality of the formation of corporations or the de facto doctrine; the rights of persons to attack unauthorized corporate action or ultra-vires; the duties and rights of officers and stockholders, and the rights of creditors. Warren, Cases on Corporations. Carpenter (Not to be given 1923-24). *Three hours, fall and winter terms.*

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. Kirchway, Cases on Mortgages. Decker. *Three hours, spring term.*

251. *Insurance.* Fire, accident, life, and marine insurance. Vance, Cases on Insurance. Decker. (Not to be given 1923-24)

Three hours, spring term.

SCHOOL OF MEDICINE

FACULTY

P. L. CAMPBELL, A.B., LL.D. *President of the University*
 RICHARD B. DILLEHUNT, M.D. *Dean of the Medical School*
 HAROLD B. MYERS, A.B., M.D. *Assistant Dean, Treasurer*

JAMES FRANCIS BELL, M.D., L.R.C.P. (London) *Emeritus Professor of Medicine*
 ANDREW JACKSON GIESY, M.D. *Emeritus Professor of Clinical Gynecology*
 SIMEON EDWARD JOSEPHI, M.D. *Dean Emeritus and Professor of Nervous and Mental Diseases*

WILLIAM F. ALLEN, A.M., Ph.D. *Professor of Anatomy and Head of the Department*
 ROBERT LOUIS BENSON, A.M., M.D. *Professor of Pathology and Head of the Department*
 J. B. BILDERBACK, M.D. *Professor and Head of the Department*
 GEORGE E. BURGET, B.S., Ph.D. *Professor of Physiology and Head of the Department*
 J. F. DICKSON, M.D. *Professor of Ophthalmology*
 HOWARD D. HASKINS, A.B., M.D. *Professor of Biochemistry and Head of the Department*
 EDMUNDE JOHN LABBE, M.D. *Professor of Obstetrics*
 OLOF LARSELL, A.M., Ph.D. *Professor of Anatomy*
 ALBERT EDWARD MACKAY, M.D. *Professor of Genito-Urinary Diseases*
 FRANK R. MENNE, B.S., M.D. *Professor of Pathology*
 HAROLD B. MYERS, A.B., M.D. *Professor of Pharmacology and Head of the Department*
 W. A. POWELL, M.D. *Lieutenant Colonel Medical Corps, U. S. A., Professor of Military Science and Tactics*

H. J. SEARS, A.B., Ph.D. *Professor of Bacteriology and Hygiene and Head of the Department*
 HARRY BEAL TORREY, A.B., Ph.D. *Professor of Experimental Biology and Director of Research in Fundamental Sciences*
 ERNEST FANNING TUCKER, A.B., M.D. *Professor of Gynecology and Head of Department*

GEORGE FLANDERS WILSON, M.D. *Professor of Surgery*
 OTIS F. AKIN, M.D. *Clinician in Surgery*
 T. HOMER COFFEN, A.B., M.D. *Clinician in Medicine*
 WILLIAM B. HOLDEN, M.D. *Clinician in Surgery*
 NOBLE WILEY JONES, A.B., M.D. *Clinician in Medicine*
 THOMAS M. JOYCE, M.D. *Clinician in Surgery*
 WILLIAM S. KNOX, B.S., M.D. *Clinician in Medicine*
 ALPHA E. ROCKHEY, M.D. *Clinician in Surgery*
 CHARLES E. SEARS, B.S., M.D. *Clinician in Medicine*
 LAURENCE SELLING, A.B., M.D. *Clinician in Medicine*
 JAMES CULLEN ZAN, M.D. *Associate Professor of Surgery*

ALVIN WALTER BAIRD, A.B., M.D. *Assistant Professor of Surgery*
 HAROLD C. BEAN, A.B., M.D. *Assistant Clinical Professor of Medicine*
 MARR BISAILLON, M.D. *Assistant Clinical Professor of Medicine*
 I. C. BRILL, A.B., M.D. *Assistant Professor of Clinical Medicine*
 J. EARLE ELSE, M.S., M.D. *Assistant Professor of Surgery*
 WILMOT C. FOSTER, A.B., M.D. *Assistant Professor of Anatomy*
 J. ALLEN GILBERT, M.D., Ph.D. *Assistant Professor of Medicine*
 FREDERICK A. KIEHLE, A.B., M.D. *Assistant Professor of Ophthalmology*
 J. C. ELLIOT KING, A.B., M.D. *Assistant Professor of Dermatology and Syphilology*
 GEORGE F. KOEHLER, M.D. *Assistant Clinical Professor of Medicine*
 RALPH CHARLES MATSON, M.D. *Assistant Clinical Professor of Medicine*
 RAY WILLIAM MATSON, M.D. *Assistant Clinical Professor of Medicine*
 CLARENCE J. MCCUSKER, B.S., M.D. *Assistant Professor of Obstetrics*
 JOHN J. PUTNAM, Ph.D. *Assistant Professor of Bacteriology*
 ARTHUR S. ROSENFELD, A.B., M.D. *Assistant Clinical Professor of Medicine*
 HOMER P. RUSH, M.D. *Assistant Professor of Physiology*
 JOSEPH M. SHORT, M.D. *Assistant Clinical Professor of Medicine*
 OTIS BUCKMINSTER WIGHT, A.B., M.D. *Assistant Professor of Gynecology*

CHARLES D. BODINE, M.D.	Associate in Surgery
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
C. R. MCCLURE, M.D.	Associate in Surgery (Orthopedic)
C. STUART MENZIES, M.D.	Associate in Anatomy
GEORGE NORMAN PEASE, A.B., M.D.	Associate in Surgery
HARVEY G. PARKER, M.D.	Associate in Dermatology and Syphilology
EDWARD ALLEN PIERCE, M.D.	Associate in Medicine
EUGENE ROCKEY, M.D.	Associate in Surgery
PAUL ROCKEY, M.D.	Associate in Surgery
RALPH C. WALKER, M.D.	Associate in Medicine (Radiology)
RAYMOND E. WATKINS, M.D.	Associate in Gynecology
ALBERT A. WITHAM, M.D.	Associate in Medicine
FREDERICK J. ZIEGLER, B.S., M.D.	Associate in Surgery

CHARLES M. BARBEE, M.D.	Clinical Instructor of Medicine
COURTLAND LINDEN BOOTH, A.B., M.D.	Instructor in Obstetrics
GUY L. BOYDEN, M.D.	Instructor in Ophthalmology, Otolaryngology, Rhinology and Laryngology
ANDREW J. BROWNING, M.D.	Instructor in Ophthalmology, Otolaryngology, Rhinology and Laryngology
R. H. CANTRIL, M.D.	Instructor in Surgery
HOWARD CARRUTH, M.D.	Instructor in Ophthalmology, Otolaryngology, Rhinology and Laryngology
RALPH M. DODSON, M.D.	Instructor in Gynecology
C. M. FOX, M.D.	Instructor in Ophthalmology, Otolaryngology, Rhinology and Laryngology
IRA A. GASTON, M.D.	Instructor in Ophthalmology, Otolaryngology, Rhinology and Laryngology
R. G. HALL, M.D.	Clinical Instructor of Medicine
BLAIR HOLCOMB, M.D.	Clinical Instructor of Medicine
H. W. HOWARD, M.D.	Instructor in Genito-Urinary Diseases
WARREN C. HUNTER, A.B.	Instructor in Pathology
W. H. HUNTINGTON, M.D.	Instructor in Ophthalmology, Otolaryngology, Rhinology and Laryngology
G. L. HYNSON, M.D.	Instructor in Surgery
H. S. IRVINE, M.D.	Instructor in Surgery
H. R. LUCAS, M.D.	Instructor in Ophthalmology, Otolaryngology, Rhinology and Laryngology
IRVING M. LUPTON, M.D.	Instructor in Ophthalmology, Otolaryngology, Rhinology and Laryngology
IRA R. MANVILLE, M.S.	Instructor in Physiology
G. W. MILLETT, M.D.	Clinical Instructor of Medicine
C. U. MOORE, A.M., M.D.	Instructor in Pediatrics
KARL MORAN, M.D.	Instructor in Surgery
C. E. MORRISON, M.D.	Instructor in Surgery
J. MILTON MURPHY, M.D.	Clinical Instructor in Medicine
ALLEN P. NOYES, M.D.	Instructor in Obstetrics
EDWIN E. OSGOOD, A.B.	Instructor in Biochemistry
DORWIN PALMER, M.D.	Clinical Instructor in Medicine
GEORGE PARRISH, M.D.	Instructor in Public Health
CHARLES C. PETHERAN, M.D.	Instructor in Ophthalmology, Otolaryngology, Rhinology and Laryngology
CARLETON P. PYNNE	Instructor in Physiology
JAMES W. ROSENFELD, A.B., M.D.	Instructor in Pediatrics
S. H. SHELDON, M.D.	Instructor in Surgery
L. HOWARD SMITH, M.D.	Instructor in Pediatrics
J. GUY STROHM, B.S., M.D.	Instructor in Genito-Urinary Diseases
KARL SWENSON, M.D.	Instructor in Surgery
FRANK TAYLOR, M.D.	Clinical Instructor of Medicine
CLINTON H. THIENES, A.B.	Instructor in Anatomy
BEN N. WADE, M.D.	Instructor in Surgery
R. H. WELLINGTON, M.D.	Clinical Instructor of Medicine
RANDALL WHITE, M.D.	Instructor in Pediatrics

CHARLES FERGUSON, A.M., M.D.	Research Assistant in Pathology
SHOHEI SAWAMURA	Research Assistant in Bacteriology
MORRIS BRIDGMAN	Assistant in Pathology
JOHN H. FITZGIBBON, A.B., M.D.	Clinical Assistant in Medicine
RAY HAUSLER, M.D.	Assistant in Anatomy
W. P. HOLBROOK, B.S.	Assistant in Biochemistry
JOHN LE COCQ	Assistant in Anatomy
MERL L. MARGASON, A.B.	Assistant in Anatomy
FRANK MCCAULEY, M.D.	Clinical Assistant in Medicine
ALBERT T. MORRISON, M.D.	Assistant in Pharmacology
ROY A. PAYNE, A.B., M.D.	Clinical Assistant in Medicine
FRANK RIEDEL	Assistant in Experimental Biology
DEAN B. SEABROOK	Assistant in Anatomy
MARSHALL M. WOODWORTH	Assistant in Anatomy

CHARLES N. REYNOLDS	Executive Secretary
LUCY I. DAVIS	Secretary-Registrar
BERTHA B. HALLAM	Librarian
EDNA D. CLERIN	Assistant Secretary
MARJORIE MACEWAN	Secretary to the Dean
VALENTINE PRICHARD	Superintendent of Portland Free Dispensary
ETTA MCOMBER	Registrar of Portland Free Dispensary
WREN E. GAINES	Building Superintendent
R. WALTER JOHNSON	Photographer and X-ray Technician
WINIFRED DOUTHIT, R.N.	Technician in Pathology
MONTIE W. CALDWELL	Technician in Pathology
J. C. FREYDID	Technician and Assistant in Anatomy
M. EVELYN MEAD, A.B.	Technician in Pathology
ALOIS TEDISCH	Technician in Bacteriology

EXECUTIVE FACULTY

President Campbell, Dean Dillehunt, Assistant Dean Myers, Professors Tucker, Labbe, MacKay, Benson, Haskins, Allen, Burget, (H. J.) Sears, Dickson, Wilson, Bilderback, Menne, Torrey, Larsell and Associate Professor Zan.

COMMITTEES

(The first named is chairman)

Admission and Advanced Standing—Myers, Larsell, Torrey and the Registrar of the University.
Curriculum and Schedule of Preclinical Years—Myers, Torrey, H. J. Sears, Haskins, Burget, Larsell.
Curriculum and Schedule of Clinical Years—Torrey, Jones, Else, Labbe, Bilderback.
Student Affairs—Benson, Labbe, Sears.
Publications and Catalogue—Allen, Myers.
Library—Burget, MacKay, Menne, Miss Hallam (Ex Officio).
Research—Torrey, Benson, Allen.
Representation to Graduate Council—Torrey.
Military Affairs—Powell, Benson, Strohm.
Health—H. C. Bean.
Counselor to Vocational Aid Students—Haskins.
Portland Free Dispensary—McCusker, Coffen, Else, Fenton, Myers, Wight, Strohm.

THE PORTLAND FREE DISPENSARY

(Operated jointly by the People's Institute and the Medical School)

JOINT DISPENSARY COMMITTEE

<i>Representing the People's Institute</i>	<i>Representing the Medical School</i>
Mrs. W. B. Ayer	Dr. Clarence J. McCusker
Mrs. T. B. Wilcox	Dr. T. Homer Coffen
Mrs. Victor Johnson	Dr. Ralph A. Fenton
Mrs. Helen Ladd Corbett (ex officio)	Dr. Richard B. Dillehunt (ex officio)

HISTORY AND EQUIPMENT

The Medical School of the University of Oregon was established at Portland in 1887 by a charter from the regents of the University.

The merger of the medical department of the Willamette University 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 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 exclusively by one medical school.

In the spring of 1914, twenty acres of land occupying a commanding position on Marquam Hill, overlooking the city, was deeded by the Oregon-Washington Railroad and Navigation company to the regents of the University of Oregon as a site for the school of medicine and affiliated hospitals. Here the first unit of the medical group, made possible by appropriations by the state of \$110,000 and \$25,000 given by citizens of Portland, was finished and occupied in the summer of 1919. It is a three-story structure of reinforced concrete faced with brick, covering two hundred by sixty-five feet, and embodies thoroughly modern ideas in medical college building construction. The second unit, a four story building, was made possible by an appropriation by the state of \$113,000 and a gift from the General Education Board. It was dedicated in January, 1923.

CLINICAL ADVANTAGES

Under the terms of the original gift, the regents of the University conveyed to the County of Multnomah seven acres of the campus for the construction of a general hospital, the first unit of which was completed in 1922. This unit provides two hundred beds and excellent accessory clinics facilities for practical instruction in all branches of clinical medicine.

Clinics are maintained in cooperation with the School of Medicine at the Good Samaritan Hospital, St. Vincent's Hospital, Emanuel Hospital, Portland Surgical Hospital, Portland Medical Hospital, the Portland Sanitarium, Waverly Baby Home, Salvation Army Home, Albertina Kerr Nursery, Morningside Hospital, and State Hospital for the Insane.

DISPENSARIES

The Portland Free Dispensary is conducted by the School of Medicine in cooperation with the People's Institute and the Visiting Nurse Association. It is located at Fourth and Jefferson streets. The present average daily attendance in all departments is 95.

LIBRARY

The library is supported from the general fund, and by annual gifts from the Portland Academy of Medicine and the City and County Medical Society of Portland. It contains 5,000 bound volumes, which are being augmented by 1000 new accessions regularly each year. One hundred and thirty-two current journals are received.

The library is open to the public from 8:30 a. m. to 5 p. m.

PATHOLOGICAL MUSEUM

The museum contains about 3000 preparations, and is being augmented by material from the surgical clinics of the Portland hospitals and from the coroner's and other autopsies.

THE JONES LECTURESHIP IN MEDICINE

The Jones Lectureship in Medicine has been founded by Dr. Noble Wiley Jones of Portland. Under the terms of the foundation, an annual gift of \$300 provides for a series of lectures by an authority in some branch of medical science. These lectures are presented in conjunction with the annual meetings of the Alumni Association. The first lectures were given in 1920 by Professor Ludwig Hektoen, Professor of Pathology of the University of Chicago; the second, in 1921 by Professor William Ophuls, Professor of Pathology, Leland Stanford University; the third, in 1922, by Sir Thomas Lewis of London.

SCHOLARSHIPS

One full 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 preliminary subjects, and preferably to those students who have completed four years in the College of Literature, Science and the Arts, with the A.B. or B.S. degree; next, to those in the seven-year combined course who have completed the fourth year; and lastly to those of exceptional merits who have finished three years of the combined course.

Applications for scholarships must be in the hands of the committee on medical scholarships at Eugene not later than April 10 of each year. Awards will be made by May 1.

ALUMNI ASSOCIATION

The Medical School Alumni Association, 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 meetings 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.

The officers of the Alumni Association, elected to serve to June 1923 are:

President (deceased)	Dr. Christian E. Stafrin, Portland, Ore.
Acting President	Dr. Marr Bisailon, Portland, Ore.
Second Vice President	Dr. Luman S. Roach, Kalama, Wash.
Third Vice President	Dr. Clyde C. B. Van Vlerah, Portland, Ore.
Fourth Vice President	Dr. Harry L. Houston, Bandon, Ore.
Treasurer	Dr. Kitty Plummer Gray, Portland, Ore.
Secretary	Dr. C. Harold Palmer, Portland, Ore.

ADMISSION TO THE SCHOOL OF MEDICINE

REQUIREMENTS FOR ADMISSION

The present minimum requirements for admission to the School of Medicine are:

(a) The satisfactory completion of at least fifteen units of a standard four-year high school course or its equivalent, of which English (3 units), foreign language (2 units), elementary algebra (1 unit), plane geometry, (1 unit), history (1 unit) and science (1 unit) are prescribed.

(b) Ninety term (sixty semester) hours of collegiate work in an accredited institution extending through two years, of thirty-two weeks each, exclusive of holidays; the following subjects being prescribed: inorganic chemistry (12 term hours), organic chemistry (8 term hours), physics (12 term hours), biology (12 term hours), English composition and literature (8 term hours), German or French (12 term hours).

To enter the School of Medicine at Portland after July 1, 1924 the student must have completed the first three years of the medical curriculum outlined later or its equivalent.

PROCEDURE FOR ADMISSION

Application.

Application for admission must be made before July 1. The prospective student must present the dean's office with a transcript of his high school and college credits. When, owing to a large number of candidates, a selection becomes necessary; scholarship, thoroughness of preparation, and personal fitness for the profession will determine the order of selection.

On July 15, the applicant is notified of his acceptance or rejection. If accepted, a \$5 matriculation fee becomes payable at the dean's office on or before August 15.

Tuition. The tuition is \$150, which includes all laboratory fees. It is payable on registration for the fall term, and is not returnable, except by special action of the faculty. For all resident students entering the medical school after July 1, 1923, the tuition will be \$60 per term or \$180 per year, and for all students who are not bona fide residents of Oregon an additional fee of \$20 per term or \$60 per year will be charged.

Tuition for special students and for summer work is \$3.50 per term hour.

Breakage Deposit. A deposit of ten dollars (\$10) 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. An arrangement has been made with Shaw Supply Company, of Portland, whereby payments can be made over an extended period of time.

Lockers. 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.

Special Examinations. If a special examination is granted, a fee of \$5 must be paid at the office.

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.

Special 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.

ADMISSION TO ADVANCED STANDING

No student will be admitted to advanced standing who has not compiled fully with the requirements for admission to this Medical School. Credits will be given to students from other recognized medical institutions, the requirements for admission and standard of work of which are equivalent to those of this Medical School upon presentation of credentials from proper authority. Such student must submit a certificate of honorable discharge from his previous college, as well as evidence (such as laboratory note-books) of the exact amount of work he has successfully completed there, both of which are subject to the approval of the heads of the department involved and of the dean.

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

DEGREES

BACHELOR'S DEGREE

Students who have completed successfully three years' work in the College of Literature, Science and the Arts and the first year in the School of Medicine in Portland, which together constitute the first four years of the new seven-year medical curriculum, receive the degree of bachelor of arts or of science.

MASTER'S DEGREE

The departments of anatomy, bacteriology and hygiene, experimental biology, pathology, pharmacology and physiology offer instruction leading to the master's degree as an integral part of the graduate school of the University of Oregon and subject to the rules and regulations, which are published in the bulletin of the graduate school.

DOCTOR OF MEDICINE

A candidate for the degree of doctor of medicine must have completed satisfactorily the curriculum described or in case of admission with advanced standing, the last year must be taken in this medical school. All candidates for degrees are expected to be present at the commencement exercises and receive the diploma in person, unless excused for good reason by the faculty.

SEVEN YEAR CURRICULUM IN MEDICINE

The curriculum of the School of Medicine includes, as an integral part of itself, what were formerly known as the premedical years of the college course. It thus comprises *seven* years, three at Eugene, devoted to liberal studies embracing the fundamental sciences contributory to medicine, and four at Portland devoted to the subjects of the regular four-year curriculum in medicine required by law. These are designated as the first, second, third, fourth, fifth, sixth and seventh years in medicine.

The first three years must be satisfactorily completed before admission to the fourth. It has been found necessary for the present to limit the number of fourth year students to seventy. Completion of the third year does not therefore, guarantee admission to the fourth year.

Upon the satisfactory completion of the first four years, all students shall be eligible for the degree of bachelor of arts or bachelor of science from the University of Oregon. The requirements for one of the foregoing degrees shall be satisfied before admission to the work of the sixth year. This applies equally to students of other institutions who enter the course in medicine with advanced standing.

The requirements for admission to the first year of seven-year course in medicine are identical with the requirements for admission to the College of Literature, Science and the Arts at Eugene.

The curriculum for the first three years in medicine may be found under the heading of the department of Medicine in the section of this catalogue devoted to the College of Literature, Science and the Arts.

FOURTH YEAR

	Fall Term			Winter Term			Spring Term		
	Lec.	Lab.	Cred.	Lec.	Lab.	Cred.	Lec.	Lab.	Cred.
	Hrs.	Hrs.	its.	Hrs.	Hrs.	its.	Hrs.	Hrs.	its.
Required:									
Anatomy—gross	4	8	6	4	8	6	4	8	6
Histology	3	9	6	...	...	...	...	...	...
Embryology	...	...	...	2	6	4	...	...	...
Biochemistry	3	6	5	3	9	6	...	...	...
Physiology	...	...	...	...	...	...	3	6	5
Bacteriology	...	...	...	...	...	...	3	9	6
Electives include:									
Military Training	1	...	1	1	...	1	1	...	1

FIFTH YEAR

	Fall Term			Winter Term			Spring Term		
	Lec.	Lab.	Cred.	Lec.	Lab.	Cred.	Lec.	Lab.	Cred.
	Hrs.	Hrs.	its.	Hrs.	Hrs.	its.	Hrs.	Hrs.	its.
Required:									
Neurology	2	6	4	...	...	...	...	...	...
Physiology	3	6	5	...	...	...	...	...	...
Pathology	4	12	8	3	9	6	...	...	...
Pharmacology	...	...	...	3	6	3	...	...	...
Medicine 201	...	...	...	...	...	...	3	...	...
Medicine 202 (Phys. Diag. 4 wks.)	...	...	...	...	...	...	4	...	...
Medicine 203 (Lab. Diag.)	...	...	...	...	...	...	3	6	5
Obstetrics 201	...	...	...	...	...	...	2	...	...
Surgery 201	...	...	...	...	...	...	3	...	...
Electives include:									
Military Training	1	...	1	1	...	1	1	...	1

SIXTH YEAR

	Fall Term			Winter Term			Spring Term		
	Lec. Hrs.	Diap. Cl.	Cred- it. Hrs.	Lec. Hrs.	Diap. Cl.	Cred- it. Hrs.	Lec. Hrs.	Diap. Cl.	Cred- it. Hrs.
Medicine:									
204 (Recit.)	3		3	3		3	3		3
205 (Phys. Diag.)		4	2		4	1½		4	1½
206 (Dispensary)		4	1½		4	3		4	3
207 (Clin. Conf.)									
Pr. L. Diag.									
221 (Nerv. Dis. Disp.)		½	½		½	½		½	½
230 (Derm. Path; Lect.)		1	1		1	1		1	1
231 (Syphilis; lecture)									
Pediatrics:									
201 (AnPhHyInfCh); Inf. Feeding		4	2		4	2		4	2
Surgery:									
202 (Recitation)	3		3						
203 Dispensary		4½	1½		(4½)			(4½)	
204 Minor Surgery	(2)			(2)			2		2
205 Bedside Clinics	(2)	(4)			4	2	(2)	4	2
206 Orthopedics					2	2			
Genito-Urinary Diseases:									
201 Lectures and Clinics							2		2
Oph. Otol., Rhin., Lar.									
201 Oph. Lect. and Recit.				1		1			
202 Oph. Dispensary (4 wks)		6	1		(6)			(6)	
204 Otol., Rhin., Lar., lecture					6	1			
205 Otol., Rhin., Lar., Disp. (4 wks)									
Gynecology:									
201 Lectures and Recit.							2		2
Obstetrics:									
202 Advanced Obstetrics	2		2	2		2	2		2
203 Practical Obstetrics					1	½			
Bacteriology:									
Prev. Med. and Hyg.				3		3			
Radiology:									
201 Tech. of Intern., bones and joints							1		½

Parentheses indicate duplicate sections.

The schedule for the seventh year may be found in the catalogue of the School of Medicine.

Departments of Instruction

DEPARTMENT OF ANATOMY

Professors ALLEN, LARSELL; Assistant Professor FOSTER, Drs. MENZIES, HAUSLER; Messrs. BAIRD, FREYDIG, INSKEEP, JONES, LECOCQ, MARGASON, SEABROOK, THIENES, WOODWORTH

REQUIRED COURSES

101. *Gross Anatomy*. Fourth year, each term; lectures and quizzes, four hours per week; laboratory, eight hours per week. Foster, Hausler, Le Cocq, and Baird.

102. *Histology and Organology*. Fourth year, fall term; lectures and quizzes, three hours per week; laboratory, nine hours per week. Larsell, Jones, and Inskeep.

103. *Embryology*. Fourth year, winter term; lectures, two hours per week; laboratory, six hours per week. Allan and Larsell.

104. *Neurology and Organs of Special Sense*. Fifth year, fall term; prerequisite, Anatomy 101-103; lectures, two hours per week; laboratory, six hours per week. Allen and Le Cocq.

ELECTIVE COURSES

105. *Microscopic Technique*. Fall and winter terms; limited to 12 students after consultation with instructor; laboratory, three hours per week. Larsell and Freydig.

201. *Advanced Histology*. Winter and spring terms; prerequisite 102 and 105; laboratory, six hours a week or less. Larsell.

202. *Topographical Anatomy*. Fall term; prerequisite Anatomy 101; limited to 15 students; lectures, one hour per week; laboratory, three hours per week. Foster.

203. *Special Dissections*. Limited to available material. Prerequisite, course 101. Foster. *Hours to be arranged.*

204. *Applied Anatomy*. Fifth year, winter or spring terms; prerequisite, Anatomy 101; lectures and demonstrations, two hours per week; laboratory, three hours per week. Menzies.

205. *Mechanism of the Central Nervous System Studied from Lesions*. Spring term; prerequisite Anatomy 104; laboratory, three to six hours per week. Allen.

206. *Seminar and Journal Club*. Each term; includes anatomical staff and advanced students. Allen. *Hours to be arranged.*

207. *Seminar in Medical History*. Each term; composed of faculty members and selected students. Larsell.

208. Research in any branch of anatomy is open to qualified students upon approval of any of the instructors. Allen, Larsell, and Foster.

Hours to be arranged.

DEPARTMENT OF BIOCHEMISTRY

Professor HASKINS, Mr. OSGOOD, Mr. HOLBROOK

REQUIRED COURSES

101. *Biochemistry*. The lectures and laboratory work cover the entire subject of biochemistry. Those parts of physical chemistry that are of most importance in medical sciences are given special consideration. Opportunity is given for considerable training in quantitative technic. Three lectures and three 3-hour laboratory periods during the first and second terms. Haskins.

ELECTIVE COURSES

201. *Biochemistry Research*. Haskins. *Hours to be arranged.*

DEPARTMENT OF PHYSIOLOGY

Professor BURGET, Assistant Professor RUSH, Mr. MANVILLE, Mr. PYNN

REQUIRED COURSES

101. *Physiology of Blood, Circulation and Respiration*. Prerequisite, physiological chemistry. Lectures, recitations and laboratory. Burget, Rush. *Five hours, spring term.*

102. *Physiology of Digestion*. Metabolism, absorption, secretion, excretion; physiology of muscles and heat. Prerequisite, 101. Lectures, recitations and laboratory. Rush. *Five hours, fall term.*

103. *Physiology of the Nervous System and the Senses*. Prerequisite, neurology. This course consists of lectures, recitations and laboratory work. Burget. *Five hours, winter term.*

ELECTIVE COURSES

201. *Special Physiology of Mammals*. A laboratory course including experiments not given in the general courses. Prerequisites, 101, 102, 103. Laboratory. Burget. *Winter term.*

202. *Special Physiology of the Glands of Internal Secretion*. Prerequisites, 101, 102, 103. Lectures and laboratory work. Burget, Rush. *Spring term.*

203. *Studies in Metabolism*. Prerequisites, 101, 102, 103. Lectures and laboratory work. Rush. *Fall term.*

204. *Research Work in Physiology*. Burget, Rush. *Each term.*

DEPARTMENT OF EXPERIMENTAL BIOLOGY

Professor TORREY, Mr. RIDDLE

The courses in this department given at the School of Medicine in Portland, may be offered as electives in the medical curriculum, or in partial fulfillment of the major or minor requirement for the master's degree. They are open to regular and special students who are qualified for research in this field.

PRIMARILY FOR GRADUATES

201. *Seminar*. Weekly discussions based on research pursued in this department, and on contributions published in current literature, with especial reference to their effect on the progress of medicine. Torrey.

202. *Research*. Subject, hours and credit value to be arranged with each student individually. Torrey.

DEPARTMENT OF BACTERIOLOGY, HYGIENE AND PUBLIC HEALTH

Professor SEARS, Assistant Professor PUTNAM; Dr. PARRISH, Mr. SAWAMURA

REQUIRED COURSES

101. *Medical 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. A series of twelve lectures is given also on the subject of immunity and the most important serological reactions are demonstrated. Lectures and laboratory work. Sears, Putnam.

ELECTIVE COURSES

201. *Public Health Laboratory*. Practice in laboratory diagnosis of infectious diseases, bacteriological analysis of water and sewage, food and milk, and the testing of disinfectants. Open to students who have had course 101. Laboratory work. Putnam.

202. *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 101. Sears.

203. *Seminar in Bacteriology and Immunity*. Meetings of the departmental staff and assistants with a number of specially qualified students to discuss the newer developments in the science as they appear in the current periodical literature. Topics are assigned and individual reports read at meetings of the class. Open to a limited number of students. Meetings held once each week. Sears, Putnam.

204. *Research in Bacteriology and Immunity*. Open to qualified students. Sears, Putnam. *Hours to be arranged.*

DEPARTMENT OF PATHOLOGY

Professors BENSON, MENNE; Mr. HUNTER, Mr. FERGUSON

REQUIRED COURSES

101. *Pathological Histology, General Pathology*. A course in general pathology, comprising the study of prepared slides supplemented by experiments, fresh and museum specimens. Lectures, recitations and laboratory. Benson, Menne.

102. *Systematic Pathology*. Embraces a study of surgical pathology and tumors. Lectures, recitations and laboratory. Benson, Menne.

201. *Study of Autopsies*. For fifth year students. Benson, Menne.

202. *Autopsy Course*. Attendance at autopsies and demonstration of fresh material from recent autopsies. Benson, Menne. *Hours to be arranged.*

203. *Autopsy Clinic*. Includes a presentation of clinical history by clinician. Open to seventh year students and physicians. Benson, Menne.

ELECTIVE COURSES

204. *Research*. Open to especially qualified students. Benson, Menne. *Hours to be arranged.*

A course in surgical pathology is given in the department of surgery.

DEPARTMENT OF PHARMACOLOGY

Professor MYERS, Dr. WHITE, Dr. FERGUSON, Dr. MORRISON, Mr. THIENES

REQUIRED COURSES

101. *Systematic Pharmacology and Prescription Writing.* Lectures and quizzes five hours a week, laboratory three hours. Fifth year work. Myers, White, and Thienes. *Six hours, winter term.*

102. *Systematic Pharmacology and Pharmacodynamics.* Lectures and quizzes five hours a week, laboratory three hours. Fifth year work. Myers, White, and Thienes. *Six hours, spring term.*

ELECTIVE COURSES

201. *Toxicology.* Lectures and quizzes two hours per week, laboratory two hours. Myers. *Three hours, spring term.*

202. *Research.* Students who are properly qualified and who can devote an adequate amount of time to the work are encouraged to pursue original investigation of pharmacological problems. Myers.

Hours to be arranged.

DEPARTMENT OF MILITARY SCIENCE AND TACTICS

LIEUT. COL. W. A. POWELL

The Army Reorganization Act of Congress, June 4, 1920, made possible the establishment of units of the Reserve Officers' Training Corps in certain selected medical schools. A unit of this corps was established in the medical school, University of Oregon, during the school year 1920-21. All students in the school who are citizens of the United States, and are physically fit, are eligible for enrollment in the unit. Its purpose is to train students so that they may qualify for commission in the Officers' Reserve Corps upon graduation. The course is voluntary, but students who elect to take it must satisfactorily complete it as a prerequisite to graduation unless for sufficient cause they are relieved by the institution authorities. Students who complete the first two years are not required to take further training unless they elect to do so and are selected for advanced training.

The course occupies a regular place on the schedule and in no way interferes with the regular work and is, in fact, a valuable addition to it. The subjects are so arranged as to act as corollaries to other subjects taught in the school, in addition to which the organization, administration and functions of the army, in both peace and war, are taught, particular stress being laid upon the organization, administration and functions of the medical department of the army. The course extends throughout the four years.

Students who can present satisfactory evidence of work performed in Reserve Officers' Training Corps in undergraduate colleges will receive credit for that work upon enrollment in the medical unit at this school. Briefly the course of instruction now required consists of the following:

(a) A theoretical course to be given at the school during the four school years. (The law requires a minimum of 90 hours instruction per year, but since practically every course of study prescribed in this school has important medico-military value, credit for 60 hours instruction is allowed per school year. Therefore only 30 hours instruction per year in this department is required).

MILITARY SCIENCE

(b) A practical course in drill and field duties of a medical officer to be given at summer camps immediately following either the sophomore or junior year. Attendance of all students taking the last two years, or advanced course, is compulsory. The student may elect to take the camp course following either the sophomore or junior year. Each encampment to be of six weeks duration and in addition to drill, instruction is given in map making and reading; medico-military paper work; equation; construction; operation and repair of motor vehicles; evacuation of sick and wounded from theatre of operations, etc.

(c) During the last two years, pay, consisting of the money value of the soldier's ration, amounting to over \$300, is given. The student while attending the summer camp receives, in addition to pay at the rate of \$1.00 per day, his transportation and food enroute to and from the camp, rations, uniforms, shelter, and medical treatment free at the camp. Uniforms are not worn, nor is there any drill required during the school year.

FIRST YEAR

Lectures include the organization and functions of the army in peace and war, and the relation of the medical department thereto. Duties of the medical soldier. The articles of war and army regulations as they affect or relate to the private soldier. The operation and results of anti-venereal work in the army and prescribed method of providing prophylaxis; history of military medicine; military policy of the United States; customs of the service; equipment of the medical soldier; personal hygiene; the army ration; military first aid.

SECOND YEAR

Lectures include a study of the duties of private and non-commissioned officers of the medical department, as members of sanitary units provided for in the tables of organization, especially of detachments, attached to regiments of infantry, cavalry, artillery, engineers, etc., in combat and under general field conditions. This includes discussion of the authorized equipment allotted each detachment and its employment in aid stations, in camps and other work.

Elements of map making and map reading. Diagrams are to be used showing the posts for the medical department soldier during open and stable warfare and the routes of evacuation of wounded from front to rear. Medical history of campaigns, supply of troops, first aid.

THIRD YEAR

Lectures include military hygiene and sanitation, particularly as relating to large camps and bodies of men. Functions of the medical department. Physical standards for the recruit. Evacuation and hospitalization of sick and wounded. The supply systems in the army—methods of procurement, distribution, storage and issue. Army regulations. Achievements of military surgeons.

FOURTH YEAR

Lectures include military law and rules of land warfare. First Aid. Chemical warfare service. History and development of hospitals. Hospitalization; types, buildings and sites, equipment, administration, etc.

Civil and military methods in control of disease. Staff relationship; military hygiene; military psychiatry and malingering.

Students graduating from the school, who have satisfactorily completed the course in military science and tactics, will be eligible for commissions in the medical reserve corps of the United States Army in the grade of first lieutenant.

DEPARTMENT OF MEDICINE

Executive Committee in Charge of Department

NOBLE WILEY JONES

T. HOMER COFFEN

JAMES FRANCIS BELL	Emeritus Professor
T. HOMER COFFEN, NOBLE WILEY JONES, WILLIAM S. KNOX, CHARLES E. SEARS,	
LAURENCE SELLING	Clinicians
HAROLD C. BEAN, MARR BISAILLON, J. C. BRILL, J. ALLEN GILBERT, J. C. ELLIOT KING,	
GEORGE F. KOEHLER, RALPH MATSON, RAY MATSON, ARTHUR ROSENFELD, JOSEPH	
M. SHORT	Assistant Clinical Professors
HARVEY G. PARKER, EDWARD A. PIERCE, RALPH WALKER, A. A. WITHAM	Associates
CHARLES M. BARBEE, ROBERT G. HALL, BLAIR HOLCOMB, G. W. MILLETT, J. MILTON	
MURPHY, BORWIN L. PALMER, FRANK M. TAYLOR, RICHARD H. WELLINGTON	Clinical Instructors
JOHN H. FITZGIBBON, FRANK MCCAULEY, ROY A. PAYNE	Clinical Assistants
LEWIS F. GRIFFITH	Clinical Lecturer in Psychiatry

PRESCRIBED COURSES

SIXTH YEAR

201. *Introduction to the Principles of Medicine*. Recitations based on a standard textbook; supplemented by lectures listed under 220. Fifth year, spring term, 3 hours a week; 3 credits. Witham and Selling.

202. *Introduction to Physical Diagnosis*. Fifth year, spring term, 16 hours; 1/2 credit.

203. *Laboratory Diagnosis*. Fifth year, spring term, 3 lectures and 6 laboratory hours a week; 5 credits. Haskins, Osgood.

204. *Medicine*. Recitations. Two hours a week throughout the sixth year; 6 credits. Knox, Witham, Holcomb.

205. *Physical Diagnosis*. Sixth year, fall term, 4 hours a week; 2 credits. Witham, Pierce, Murphy, Taylor.

206. *Dispensary*. Two hours a week throughout the sixth year; 2 credits. Payne, Holcomb.

207. *Clinical Conferences*. Sixth year, winter and spring terms, 3 hours a week, 3 credits.

208. *Practical Laboratory Diagnosis*. At the Dispensary. One hour a week throughout the sixth year; 1 credit. Fosket.

PRESCRIBED COURSES

SEVENTH YEAR

209a. *Medical Clinic*. Multnomah Hospital; 1 hour a week; section A, B, C, first semester; section D, E, F, second semester; 16 hours, Short.

209b. *Medical Clinic, Diseases of the Chest*. Multnomah Hospital; 1 hour a week, section A, B, C, first semester; section D, E, F, second semester; 16 hours. Matson and Bisailon.

209c. *Medical Clinic*. Multnomah Hospital; 1 hour a week; section A, B, C, first semester; section D, E, F, second semester; 16 hours. Jones.

210a. *Medical Clinic*. Emanuel Hospital; 1 hour a week; section D, E, F, first semester; section A, B, C, second semester; 16 hours. Brill.

210b. *Medical Clinic*. Emanuel Hospital; 1 hour a week; section D, E, F, first semester; section A, B, C, second semester; 16 hours. Sears.

210c. *Medical Clinic*. Emanuel Hospital; 1 hour a week; section D, E, F, first semester; section A, B, C, second semester; 16 hours. Brill.

211. *Clinical Clerkships*. Sections of the 7th year class are assigned to the Medical Service of the Multnomah Hospital in connection with courses 209 A, B, C; 48 hours.

212. *Clinical Clerkships*. Sections of the 7th year class are assigned to the Medical Service of the Emanuel Hospital in connection with courses 210 A, B, C; 48 hours.

213. *Contagious Diseases*. Contagious Hospital, 1 hour a week. (With the co-operation of Dr. George Parrish, city health officer). Section A, B, C, first semester; section D, E, F, second semester; 16 hours. Hall.

ELECTIVE COURSES

214a. *Bedside Clinic in General Medicine*. Multnomah Hospital; 1 hour a week throughout the year; 32 hours. Bean. (Given in conjunction with course 211).

214b. *Bedside Clinic in General Medicine*. Multnomah Hospital; 1 hour a week throughout the year; 32 hours. Rosenfeld. (Given in conjunction with course 211).

214c. *Bedside Clinic in General Medicine*. Multnomah Hospital; 1 hour a week throughout the year; 32 hours. Bisailon. (Given in conjunction with course 211).

214d. *Bedside Clinic in General Medicine*. Multnomah Hospital; 1 hour a week throughout the year; 32 hours. Short, Jones. (Given in conjunction with course 211).

215. *Gastroenterology*. Lecture and conference course in sections; 1 hour a week; each semester 16 hours. Koehler, Fitzgibbon.

216. *Diseases of Metabolism and the Ductless Glands*. Lecture and conference course in sections; 1 hour a week; each semester; 16 hours. Brill, Holcomb.

217. *Diseases of the Kidney*. Lecture and conference course in sections; 1 hour a week, each semester; 16 hours. Rosenfeld, Millett.

218. *Diseases of the Heart*. Lecture and conference course in sections; 1 hour a week, each semester; 16 hours. Coffen, Jones.

219. *Diseases of the Chest*. Lectures and conference course in sections; 1 hour a week, each semester; 16 hours. Matson, Bisailon.

NERVOUS AND MENTAL DISEASES

PRESCRIBED COURSES

220. 5th year; *Lecture on Anatomy and Physiology of the Nervous System* (included in Med. 200); 8 hours. Selling.

221. 6th year; *Clinic at Dispensary*. One hour a week throughout the year; 32 hours. Selling.

222. 7th year; *Clinic and Lecture on Nervous Diseases*. One hour a week; first and second semester; 32 hours. Selling.

223. *Clinical*. Sections of the 7th year class are assigned to the Neurological Service of Multnomah Hospital in connection with course 222; 16 hours. Selling.

224. *Clinic and Lectures on Mental Diseases*. One hour a week; first semester; 16 hours. Griffith.

DERMATOLOGY AND SYPHILOLOGY

PRESCRIBED COURSES

230. *Dermatological Pathology; Lectures*. Sixth year, winter term; 1 hour a week; 11 hours; 1 credit.

231. *Syphilis Lectures*. Sixth year, spring term; 1 hour a week; 11 hours credit.

232. *Clinical Lectures and Conference Courses*. Seventh year; 1 hour a week for each section, throughout the year; 32 hours, 2 credits. (2 sections).

ELECTIVE COURSES

233. *Clinical Lectures Leading With Cutaneous Diseases Requiring Special Methods of Diagnosis and Treatment*. Two sections; 1 hour a week for each section; 32 hours.

DEPARTMENT OF RADIOLOGY

Dr. WALKER, Mr. VINSON Mr. JOHNSON

PRESCRIBED COURSES

201. *Elementary Radiology*. X-ray physics; technic of radiographing and interpreting with especial reference to bones and joints. Sixth year, spring term, one hour a week, one-half credit.

202. *Advanced Radiology*. The interpretation of normal and pathological findings; therapeutic use of X-ray and radium, with especial reference to dangers. Seventh year, one hour a week throughout the year; one credit.

DEPARTMENT OF PEDIATRICS

Professor BILDERBACK; Drs. NOYES, MOORE, ROSENFELD, SMITH, WHITE; Mr. BELL

PRESCRIBED COURSES

201. *Anatomy, Physiology*. Hygiene of infancy and childhood, lectures and quizzes on diseases of the newly born and diseases of nutrition. Practical work in infant feeding. Kerr Nursery and Salvation Army Maternity Hospital. Four hours per week, entire 6th year; total 128 hours; 6 credits. Noyes, Smith.

203. *Diseases of Infancy and Childhood*. Seventh year, first semester, two hours per week; total 32 hours; two credits. Bilderback.

204. *Continuation of 203*. Seventh year, second, semester; two hours per week, total 32 hours; two credits. Bilderback.

205. *Dispensary*. Seventh year, both semesters; eight weeks, three days, two hours, total 48 hours; one credit. Rosenfeld, Moore, Smith, Bell.

ELECTIVE COURSES

216. *Pediatric Clinic*. Seventh year, second semester; Multnomah County Hospital, one hour per week; total 16 hours; one-half credit. Moore.

217. *Well-Baby Clinic*. Seventh year, second semester; Jewish Neighborhood House, one hour per week; total 16 hours; one-half credit. Moore.

DEPARTMENT OF SURGERY

Executive Committee in Charge of Department

J. EARL ELSE

WILLIAM B. HOLDEN

PAUL ROCKEY

GEORGE W. WILSON, ERNEST F. TUCKER	Professors
OTIS F. AKIN, ROBERT C. COFFEY, RICHARD B. DILLEHUNT, WILLIAM B. HOLDEN,	
THOMAS M. JOYCE, ALPHA E. ROCKEY	Clinicians
JAMES CULLEN ZAN	Associate Professor
ALVIN W. BAIRD, J. EARL ELSE	Assistant Professors
CHARLES D. BODINE, LUTHER H. HAMILTON, CHARLES R. MCCLURE, GEORGE NORMAN	
PEASE, PAUL ROCKEY, EUGENE W. ROCKEY	Associates
ALBERT H. CANTRIL, GARRETT LEE HYNSON, HARRY S. IRVINE, KARL P. MORAN, STUART	
H. SHELDON, KARL J. SWENSON, BENJAMIN N. WADE	Clinical Instructors

PRESCRIBED

201. *Surgery Recitation*. Fifth year, spring term; recitations three hours per week; total 33 hours; three credits. Hynson, Wade.

202. *Surgery Recitation*. Sixth year, first term; recitations three hours per week; total 33 hours; three credits. Hynson, Wade.

203. *Surgery Dispensary*. Sixth year, one term; 4½ hours per week; 1½ credits. Dudman, Morrison, Sheldon, Steagall, Swenson.

204. *Minor Surgery Recitation*. Sixth year, two hours a week; one term; total 22 hours; two credits. Morrison, Steagall, Swenson.

205. *Bedside Clinics*. Sixth year; four periods of two hours each per week; total 88 hours; four credits. Baird, Bodine, Cantril, Dudman, Moran, Pease, Eugene Rockey, St. Pierre.

206. *Orthopedic Surgery*. Sixth year; two hours a week; one term. Lectures and clinics; two credits. McClure.

220. *Bedside Clinics General Surgery*. Seventh year; two hours a week, one-half semester; one-half credit. Bodine.

221. *Surgery of the Head and Neck*. A bedside clinic; seventh year; two hours a week; one-half semester; one-half credit. Joyce.

222. *Surgery of the Extremities*. Seventh year; two hours a week throughout the entire year; lectures and clinics; total 64 hours; three credits. Akin, Dillehunt.

223. *Surgical Conference*. Seventh year; four hours a week; one-half semester; one and one-half credits. Holden.

224. *General Surgical Clinics*. Seventh year; four hours a week, one-half semester; one and one-half credits. A. E. Rockey, Paul Rockey.

225. *General Surgical Clinics*. Seventh year; two hours a week, one semester; 32 hours; one and one-half credits. Coffey.

226. *Surgical Pathology and Surgical Diagnosis*. Seventh year; two hours a week both semesters; total 64 hours; three credits. Else.

ELECTIVES

230. *Goiter Clinic*. Sixth year; one and one-half hours a week for one term; one-half credit. Else.

231. *Minor Surgical Clinic*. Two hours a week for one term; one credit. Hynson.

GENITO-URINARY DISEASES

Professor MACKEY, Drs. HOWARD, STROHM

201. *Diseases Affecting the Genito-Urinary Tract*. Sixth year, spring term; lectures and clinics, two hours per week; total 22 hours; two credits. MacKay.

202. *Continuation of 201*. Seventh year, first semester; lectures and clinics, two hours per week; total 32 hours; two credits. MacKay.

203. *Dispensary*. Seventh year, both semesters; five weeks, three days, two hours, total 30 hours; one credit. Howard, Strohm, H. J. Sears.

OPHTHALMOLOGY, OTOTOLOGY, RHINOLOGY AND LARYNGOLOGY

Professor DICKSON; Drs. KIEHLE, COGHLAN, FENTON, BOYDEN, BROWNING, CARRUTH, FOX, GASTON, HUNTINGTON, LUCAS, LUPTON, PETHERAM

201. *Eye*. Lectures and recitations. Sixth year, winter term; one hour a week, 11 hours; one credit.

202. *Eye*. Sixth year, winter term; six hours a week for four weeks; one credit.

204. *Ear, Nose and Throat*. Lectures and recitations. Sixth year, winter term, one hour a week; 11 hours; one credit.

205. *Ear, Nose and Throat*. Dispensary. Sixth year, winter term, six hours a week for four weeks; one credit.

203. *Eye*. Lectures, demonstrations and operative clinics. Seventh year, first semester; one hour a week for 12 weeks; one credit. Dickson.

206. *Ear, Nose and Throat*. Lectures, demonstrations and operative clinics. Seventh year, first semester; one hour a week for 12 weeks; one credit. Coghlan.

DEPARTMENT OF GYNECOLOGY AND OBSTETRICS

GYNECOLOGY

Professor TUCKER; Drs. WIGHT, SKENE, WATKINS, DODSON

201. *Gynecology*. Sixth year, spring term; lectures and recitations, two hours per week; total 22 hours; two credits. Tucker, Wight, Skene, Watkins.

202. *Clinical Gynecology*. Seventh year, first semester; lectures and clinics, two hours per week; total 32 hours; two credits.

203. *Practical Gynecology*. Seventh year, both semesters; dispensary, five weeks, three days, two hours; total 30 hours; one credit.

OBSTETRICS

Professor LABBE; Drs. McCUSKER, NOYES, BOOTH

201. *Introductory Obstetrics*. Fifth year, spring term; lectures and recitations, two hours per week; 22 hours; two credits. McCusker.

202. *Advanced Obstetrics*. Sixth year, fall and winter terms; lectures and conferences, two hours per week; 44 hours; four credits. Labbe or McCusker.

203. *Practical Obstetrics*. Sixth year, winter term; conferences and practical work with manikin, one hour per week; 11 hours; one-half credit. Noyes.

204. *Obstetrics*. Sixth year, spring term; two hours per week; 32 hours; two credits. Labbe.

205. *Ante- and Post-Partum Care*. Seventh year, both semesters; two hours per week for 11 weeks; one credit. McCusker.

206. *Out-Patient Service*. Seventh year, both semesters. Each student must be in attendance on at least six cases; three credits. Labbe, McCusker, Noyes, Booth.

ELECTIVES

207. *Prenatal Care*. Hours to be arranged.

SCHOOL OF MUSIC

THE FACULTY

PRINCE L. CAMPBELL, LL.D.	President of the University
JOHN J. LANDSBURY, Mus.D.	Dean of the School
CARLTON E. SPENCER	Registrar of the University
M. H. DOUGLASS	University Librarian
JOHN STARK EVANS	Professor of Pianoforte, and Associate Dean
JANE SCOTSFORD THACHER	Professor of Pianoforte
GEORGE PAYNTER HOPKINS	Assistant Professor of Pianoforte
*LELAND A. COON	Assistant Professor of Pianoforte
MADAME ROSE MCGREW	Professor of Singing
JOHN SEIFERT	Assistant Professor of Singing
REX UNDERWOOD	Professor of Violin
ANNA LANDSBURY BECK	Professor of Public School Music
FRANK BADOLLET	Instructor in Flute
RONALD REID	Instructor in Pianoforte
MINNIE G. DOUGLASS	Instructor in Pianoforte
ALBERTA POTTER	Instructor in Violin
LORA TESHNER	Instructor in Cello
BEULAH CLARK	Instructor in Flute

ORGANIZATION AND DEGREES

The School of Music was organized in 1902, although a department of Music had been instituted before that time.

This school takes care of that large and rapidly increasing group of regularly matriculated University students who are expected to take a degree in four years and who will offer music either as a major or minor subject. The idea that the intelligent study of music may be made a large and contributing factor in education is not a new one in theory but too often in practice the demands of the ordinary curriculum have been such as to leave little or no place for it. In the University of Oregon, however, music is a part of the "regular" University course of study. The students may offer it as a major subject under the same conditions as language, science, history or mathematics.

The student choosing music as a major subject may proceed toward either the degree of bachelor of arts or bachelor of science in the College of Literature, Science and the Arts, or to the technical degree of bachelor of music.

For the college degrees, only six term hours of applied music, such as piano, violin, etc. may be submitted, the remainder of the major subject being taken from the courses in theoretical music.

For unconditional admission to freshman standing in the professional course, leading to the degree of bachelor of music, the student must satisfy the general entrance requirements of the University, and in addition present evidence, either by examination or by statement from a duly "accredited" music teacher, that he has completed a satisfactory preparatory musical course.

*Absent on leave, 1922-23.

As in the case of the bachelor of arts and science degrees 186 term-hours of work is required for graduation. However, more credit is allowed for applied music and the student substitutes school requirements for the University requirements.

These requirements are as follows:

	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 Education	6	6
Totals	186	186

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 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.

PUBLIC SCHOOL MUSIC

This course prepares the student for teaching and supervising music in the grade and high schools. The student is assumed to have the ability to play moderately difficult choruses or accompaniments. The course as at present outlined covers a period of two years. It includes:

Public School Methods	One year
Practice Teaching (minimum)	One year
History and Appreciation of Music	One year
The Elements of Musical Science	One year
Scientific Music Reading	One year
Analysis of Music	Two terms
Education	One year
Chorus or Glee Club experience.	

FEES

Fees are charged for all of the courses in applied music, and for most of the courses in theoretical music. The amounts of these fees may be found in the schedule of courses which is published at the beginning of the year, or information concerning them may be obtained from the Dean of the School of Music.

SCHOLARSHIPS

Through the generosity of members of the faculty of the School of Music, a number of scholarships are available this year. These are awarded by competitive examination to especially gifted and deserving students. Application should be made to the dean.

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.

The Mu Phi Epsilon Scholarship. The musical sorority, Mu Phi Epsilon offers a scholarship for the year in either voice, violin, piano, or organ. Applications are considered throughout the year until June

first. Three Mu Phi Epsilon members as judges for the sorority in consultation with the dean of the School of Music and other University authorities make the award according to talent, personality, financial situation, promise and general scholastic standing. It is a requirement that the scholarship be awarded a University student of at least one year's attendance, and preferably one eligible for Mu Phi Epsilon, if not already a member.

Description of Courses

LOWER DIVISION

1a,b,c. *The Elements of Musical Science.* A general course in the history, construction and treatment of harmonic forms. (a) Terminology, major and minor scales, intervals, major and minor triads, inversions—especially the “six-four chord”—general theory of harmonic progression, etc. (b) Dissonant combinations—especially seventh and ninth chords—open position, etc. (c) Modulation, foreign tones, contrapuntal chords, the augmented chords, enharmonic equivalents, modern scales and harmonizations, etc. Beck. *Three hours, each term.*

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. Prerequisite, Course 1a,b,c. Landsbury. *Three hours, one term.*

3. *Formal Analysis.* 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. Texts, the sonatas of Haydn, Mozart, Beethoven, Schumann and Brahms. A practical course for those wishing to know the basis of interpretation. Prerequisite, courses 1 and 2. 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. Closely related to course in Formal Analysis, with which it could be taken. Prerequisite, Courses 1, 2 and 3. 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, Judasohn and others. Accepted as a preparation for Counterpoint, but not as a substitute for Course 1. Evans.

6. *Keyboard Harmony and Ear Training.* A course aiming to teach students how to think music in the terms of the piano. Prerequisite, Course 1a,b,c, or 5. Evans. *Two hours, one term.*

9-10-11. *History and Appreciation of Music.* Lectures dealing with the evolution of music, and the problems of intelligent listening. Illustrated with the virolo. Beck. *Two hours, each term.*

12a,b,c. *Public School Music.* A study of the development and care of the child voice, and the music and methods adapted to the grades and high school. Melody writing, high school chorus work, and the use of the talking machine. Beck. *Three hours, each term.*

13a,b,c. *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 and is intended for those wishing for participation in larger choral efforts. Beck. *One hour, each term.*

21a,b,c. *Orchestra.* Underwood. *One-third hour, each term.*

22a,b,c. *Ensemble.* Underwood. *One hour, each term.*

31a,b,c. *Orchestral Organization.* Including elementary instruction in stringed instruments. Class limited to ten. Underwood. *One hour, each term.*

UPPER DIVISION

101. *Strict Counterpoint.* Constructive counterpoint, including a consideration of the so-called “harmonic counterpart.” A study of such texts as Fux, Cherubini, Bellerma, Richter and Goetschius, together with the works of Bach, Handel and Wagner. Landsbury. *Two hours, one term.*

102-103. *Double Counterpoint, Canon and Fugue.* An elementary course dealing with the principles of double counterpoint in general, and the practical double counterpoints of J. S. Bach in particular. Simple types of canon and fugue, etc. Prerequisites Courses 1a,b,c, 2, and 101. Landsbury. *Two hours, each term.*

110-111-112. *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. Not more than three will be permitted in the class. Prerequisite, courses 1, 2, 3, 4, 6. Landsbury. *Two hours, each term.*

115. *Musical Interpretation.* Open only to piano students of collegiate rank. Especially designed for those who expect to teach. Landsbury. *Two hours, one term.*

123-124-125. *Literature of the Piano.* Landsbury. *Two hours, each term.*

131-132. *Modulation.* A comprehensive study of the resources of the triad, seventh chord, augmented chords, attendant chords, favorable and unfavorable positions, etc. in modulation. Much keyboard work will be demanded. The phrase and period will be used as the mold for the various formulae. Considerable attention will be given to the examination of the modulation of classical and romantic composers. Landsbury. *Two hours, two terms.*

140. *The Philosophy of Music.* Upper division seminar. Discussions of the physical basis of music, consonance and dissonance, musical content and associations, absolute and program music, the classical, romantic and modern viewpoints of the musical experience, etc. Landsbury. *Hours to be arranged.*

GRADUATE DIVISION

201. *Seminar.* A study of present day musical conditions with particular reference to the adjustment of music to the curriculum. Each student will be given a definite research problem, and must defend his

solution before the class. For the coming year it is planned to consider the nature of music; its relation to literature and science; progress toward the educational ideal in music, etc. Although intended primarily for graduates, advanced students in the upper division, showing proper preparation, will be admitted.

202. *Multiple Counterpoint, Canon and Fugue.* A course dealing with the principles of multiple counterpoint in general, and the double, triple, and quadruple counterpoints of J. S. Bach in particular; types of finite and infinite canon; simple, double and triple fugue; application of the strict style to orchestral and choral composition.

Two hours, each term.

203. *Advanced Free Composition.* Open to students showing marked creative ability, who have had adequate preparation. Classes will be limited to three members and each member must produce specimens in both the small and large forms which will be deemed worthy of publication or public performance.

204. *Practical Artistry.* To be accepted, the student must possess a technique adequate to the needs of the classical, romantic and modern schools; the required undergraduate work for a B.M. degree; must be enrolled in courses 201 and 202, and must show promise of being able to demonstrate by public performance the beauty and cultural value of the tonal masterpieces.

SCHOOL OF PHYSICAL EDUCATION

THE FACULTY

PRINCE L. CAMPBELL, LL.D.	President of the University
JOHN FREEMAN BOVARD, Ph.D.	Dean of the School
CARLTON E. SPENCER, LL.B.	Registrar of the University
M. H. DOUGLASS, M.A.	University Librarian

FLORENCE D. ALDEN, B.A.	Associate Professor of Physical Education and Director of Physical Education for Women
HARRIET W. THOMSON, B.A.	Professor of Physical Education
LILLIAN STUPP, M.A.	Instructor in Physical Education
GERTRUDE B. MANCHESTER	Instructor in Physical Education
EMMA W. WATERMAN, B.A.	Instructor in Physical Education
CAROLYN CANNON, B.A.	Assistant Instructor in Physical Education
DOROTHY MCKEE	Assistant Instructor in Physical Education

HARRY ALEXANDER SCOTT, M.A.	Professor of Physical Education and Director of Physical Education for Men
GERALD BARNES, M.A.	Instructor in Physical Education
EARL WIDMER, B.S.	Instructor in Physical Education
HENRY FOSTER	Assistant Instructor in Physical Education
MERIL SHAVER	Assistant Instructor in Physical Education
JAMES COSSMAN	Assistant Instructor in Physical Education
LLOYD E. WEBSTER	Assistant Instructor in Physical Education

WILLIAM L. HAYWARD	Professor of Physical Education and Director of Track Athletics
GEORGE MOHN BOHLER	Associate Professor of Physical Education and Director of Baseball and Basketball
CHARLES A. HUNTINGTON	Instructor in Physical Education and Director of Football

WILLIAM K. LIVINGSTON, M.D.	Director of University Health Service and University Physician
BERTHA STUART DYMENT, M.D.	Medical Consultant for Women
DR. WILLIAM E. SAVAGE, M.D.	University Physician
MARGARET MACGREGOR	Nurse
RUTH HARVEY	Nurse
ORPHA CLOUSE	Nurse
MRS. W. B. MARTINSON	Nurse
JANE GAVIN	Nurse
DOROTHY DYCEE	Nurse
LENORE COX	Technician

ORGANIZATION

The School of Physical Education was authorized by the board of regents during the summer of 1920. It was intended that the school should be broad in its scope and not limited to the theoretical work in physical education. The school was organized to embrace all the work done in physical education for both men and women, intercollegiate athletics, the work in hygiene and all the activities concerned with student health. At the same time the United States Interdepartmental Social Hygiene Board granted the University a substantial sum to encourage the work in physical education and hygiene with the hope that teachers of hygiene could be trained who would make a favorable impression on the youth of the country as regards the large problems of health.

The School of Physical Education unites together the interests of the following departments:

1. Physical education for women.
2. Physical education for men.
3. Intercollegiate athletics.
4. University health service.

The school supplies service courses for the University through the departments for men and women, physical education being required of all students during the first two years of their residence. All freshmen on entering, are given a medical examination by the University health service so that the student may be properly adjusted to his physical activities.

A course of study, in which all departments cooperate, is shown on another page and is intended as the foundation training for those who wish to specialize in the various fields of physical education. Such a course should be followed during the graduate years by a more intensive study if one expects to make physical education a profession. Some of the opportunities for service in physical education are as high school directors, city supervisors, community and play-ground managers, college and university instructors and directors, coaches of major and minor sports.

THE UNIVERSITY HEALTH SERVICE

While the Health Service is maintained primarily for the care of students who may become ill during their stay on the campus, it is also looked upon as an educational institution aiming to teach preventative medicine and hygiene. Through its consultations, examinations and advice it attempts to point out the causes of ill health and to present clearly the fundamental laws of good health.

The courses in hygiene offered by the School are given by the members of the health service.

GENERAL INFORMATION

DEGREES

Bachelor of Arts or Science. The courses in the School of Physical Education are so arranged that the student may fulfill all the requirements of the College of Literature, Science and the Arts, and may obtain either the B.A. or the B. S. degree.

Master of Arts or Science. Those who care to become specialists in the field of physical education are urged to take advantage of the graduate courses in the department and complete work for the M.A. or M.S. degree. Two lines of endeavor are open now, one in physiotherapy and the other in physiology.

The degree of master of arts or master of science is open to those who have a bachelor of arts or science degree from this institution or any other of approved standing.

PHYSICAL AND MEDICAL EXAMINATION

All students whether freshmen or not, are required to have a physical examination upon entering the University. Examinations are conducted in the examination rooms of the physical education department during the week preceding the opening of the fall term and during the first week of the winter and spring terms. Every effort should be made to have the physical examination completed before regular university

work begins, especially in the case of those whose physical condition makes it probable that some modification of the regular work in physical education must be made.

FEES

A laboratory fee is charged every student registered in the gymnasium classes, to cover the use of pool and baths, locker, swimming suit, towels, bandages and other perishable supplies. The amount of this fee as well as the others charged by the University is given in the schedule of courses which is published at the beginning of the year.

EQUIPMENT

Uniform gymnasium suits and shoes, which conform to definite hygienic requirements, are demanded. Neither should be purchased before entering college. For tennis and archery for women a white middie blouse, sport skirt and suitable shoes are class requirements.

TEACHERS' CERTIFICATES

Those majoring in physical education upon completion of the course of study as outlined, will have completed the requirements for a state teacher's certificate, entitling the holder to teach in the schools of Oregon.

Others, not majors, may obtain recommendations from the School of physical education provided they satisfactorily complete the course outlined as a norm in physical education. (See School of Education.)

For a recommendation to coach the major sports, a course has been outlined which includes not only the courses in coaching, but a minimum of work in hygiene and theory of physical education.

COURSE OF STUDY FOR MAJOR STUDENTS IN PHYSICAL EDUCATION

	FRESHMAN	Fall	Winter	Spring
Introduction to Physical Education	2	2	2	2
Physical Education for freshman majors	1	1	1	1
Animal Biology	4	4	4	4
Elementary Chemistry	4	4	4	4
Foreign Language	4	4	4	4
Military Science (men)	1	1	1	1
Personal Hygiene (men or women)	1	1	1	1
	16-17	16-17	16-17	
	SOPHOMORE			
Fundamentals of Physical Education	2	2	2	2
Physical Education for sophomore majors	1	1	1	1
Zoology, Comparative and Mammalian Anatomy	4	4	4	4
Kinesiology				4
Education 51, 52, 53	3	3	3	3
Beginner's Psychology	3-4	3-4	3-4	3-4
Foreign Language	3-4	3-4	3-4	3-4
Military Science (men)	1	1	1	1
	16-17	16-17	16-17	
	JUNIOR			
Principles and Technique of Gymnastic Teaching	2	2	2	2
Play and Playground Management	3	3	3	3
Physiology	4	4	4	4
Theory and Practice of Individual Gymnastics	3	3	3	3
Observation Teaching				3
World History	3	3	3	3
World Literature	2	2	2	2
Advanced Gymnastics and Coaching of Sports (women)	1	1	1	1
Technique of Dancing (women)	1	1	1	1
Coaching of Major Sports (men)	2	2	2	2
	19	19	18	

SENIOR	Fall	Winter	Spring
Principles of Physical Education	3	3	3
Advanced Gymnastics and Coaching of Sports (women)	1	1	1
Theory of Dancing	1	1	1
Thesis in Physical Education	1	1	1
Supervised Teaching	3	3	3
World History	3	3	3
World Literature	2	2	2
Written English	2	2	2
Electives, Educational Dancing, Principles of Individual Gymnastics	1-3	1-3	1-3
	17	17	17

NORM IN PHYSICAL EDUCATION

	Fall	Winter	Spring	Total
* Introduction to Physical Education	3	3	3	9
* Fundamentals of Physical Education	3	3	3	9
Play and Playground Management	3	3	3	9
Technique of Teaching	2	2	2	6
Coaching (at least one course)	—	—	—	2
Participation in three sports under supervision (no credit)	—	—	—	35

* The one hour course of Physical Education for majors is included in this.

COURSE FOR COACHING

Minimum hours for recommendation to coach one or more sports as a side line. (This is not a norm in physical education).

1. Regular Physical Education for freshmen and sophomores, courses 51-52-53, 54-55-56	6 hours
2. Hygiene (Personal), course 60a,b,c	3 hours
3. Principles of Physical Education	9 hours
4. Theory and Practice of Coaching	—
Any or all of the following courses:	
Football	2 hours
Baseball	2 hours
Basketball	2 hours
Track	2 hours

Description of Courses

Courses 1-2-3 and 4-5-6 (or 7-8-9) for women, and 51-52-53 and 54-55-56 (or 57-58-59) for men, are required of all undergraduates in the first two years of residence. Courses 13a,b,c and 23a,b,c for women and 73a,b,c and 83a,b,c for men may be considered as fulfilling the physical education requirement.

LOWER DIVISION

Courses Primarily for Women

1-2-3. *Elementary Physical Education*. Required of freshmen in good physical condition. Postural and developmental gymnastics, physical efficiency tests for endurance, strength and agility. Two periods, fall and winter terms. Educational interpretative dancing. Self-expression by means of coordinated, rhythmical and natural bodily movement, regulated or stimulated by music. One period a week, fall and winter terms. Choice of swimming, folk or educational interpretative dancing or outdoor sports. Three periods a week, spring term. *One hour, each term.*

4-5-6 *Advanced Physical Education*. Required of sophomores. A progression of course 1-2-3, with advanced gymnastic work and more difficult physical efficiency tests. Two periods a week, fall and winter terms. A progression of dancing in course 1-2-3. One period a week, fall and winter terms. Choice of swimming, folk or educational interpretative dancing, or outdoor sports. Three periods a week, spring term. *One hour, each term.*

7-8-9 *Individual Gymnastics*. For students referred to the department by the University health service or their family physicians, for special work. Prescriptive exercises, or heat and massage, as indicated, for body-building, posture, foot work, etc. Freshmen and sophomores required to enter this work substitute it for courses 1-2-3 and 4-5-6. Three periods a week. *One hour, each term.*

10a,b,c. *Personal Hygiene*. A study of anatomy and physiology, followed by the application of the laws of hygiene for the health and welfare of the individual. One lecture a week. *One hour, each term.*

11a,b,c. *Introduction to Physical Education*. Required of all majors in the freshmen year. The object of this course is to introduce the student to the scope and immediate objectives of physical education, its relation to and correlation with the sciences and its contribution to health and efficiency. A discussion of the different phases of physical education and their contribution to the foregoing. The spring term is devoted to the technique of all the major sports. Two lectures a week. *Two hours, each term.*

13a,b,c. *Physical Education*. Required of major students in the freshmen year in place of course 1-2-3. Includes gymnastics and folk dancing, fall and winter terms; and major sports and folk dancing, spring term. Four periods a week. *One hour, each term.*

21a,b,c. *Fundamentals of Physical Education*. Required of all majors in their sophomore year. The fall term is devoted to the history of physical education; the winter term to general and intergroup hygiene; and the spring term to symptomatology and first aid. Two lectures a week. *Two hours, each term.*

23a,b,c. *Physical Education*. Required of all sophomore majors. Takes the place of course 4-5-6. Includes practice in major sports, gymnastics and educational interpretative dancing. Three periods a week, fall and winter terms. Four periods a week, spring term. *One hour, each term.*

Courses Primarily for Men

51-52-53. *Elementary Physical Education*. Required of freshmen. After a physical examination the student is assigned to various classes by the instructor. Class work is given in the following: gymnasium, floor work, swimming, boxing, wrestling, basketball, football, track, etc. Three periods a week. *One hour, each term.*

54-55-56. *Advanced Physical Education*. Required of sophomores. Continuation of course 51-52-53, but more advanced in character. Students are required to have engaged in at least three lines of recreational activities before the end of the sophomore year. Three periods a week. *One hour, each term.*

57-58-59. *Restricted Physical Education*. Special courses for freshmen and sophomores not adapted to the heavier regular class work. Students are given individual attention and assigned to recreational and corrective programs suited to their needs. Substitute for courses 51-52-53 and 54-55-56. Three periods a week. *One hour, each term.*

60a,b,c. *Personal Hygiene*. A brief study of physiology followed by the application of the natural laws of hygiene for the health and welfare of the individual. Textbooks, references and lectures. One lecture a week. *One hour, each term.*

64-65-66. *Physical Education Elective*. Open only to freshmen and sophomores who expect to become squad leaders. Methods of handling large groups of men and of teaching gymnastics, games, athletics and swimming. The course does not take the place of the required physical education courses. Three periods a week. *One hour, each term.*

71a,b,c. *Introduction to Physical Education*. Required of freshmen majors. Introduces the student to the scope and immediate objectives of physical education, its relation to and correlation with the sciences and its contribution to health and efficiency. A discussion of some of the "tools" of physical education in their relation to the foregoing. Two lectures a week. *Two hours, each term.*

73a,b,c. *Physical Education*. Required of all majors in the freshman year in place of course 51-52-53. Includes instruction in gymnastics, games, athletics and swimming. Three periods a week. *One hour, each term.*

81a,b,c. *Fundamentals of Physical Education*. Required of all sophomore majors. Lectures, reading and reports on the history of physical education, problems of general and inter-group hygiene, physical problems of the gymnasium, play and athletic fields. Two hours per week. Prerequisite to Principles of Physical Education (111a, b,c). *Two hours, each term.*

83a,b,c. *Physical Education*. Required for majors in the sophomore year. Takes the place of course 54-55-56. Deals with instruction in advanced gymnastics, games, athletics, and swimming. Three periods a week. *One hour, each term.*

111-112-113-114. *Coaching of Major Sports*. Required of majors and elective for general students. No student will be admitted to this course who has not spent at least one season on the squad or played the game in the intramural activities. Prerequisite, junior standing.

111. Football *Fall term.*

112. Basketball *Winter term.*

113. Baseball or 114. Track *Spring term.*

Courses for both Men and Women

75. *Kinesiology*. For all majors in the sophomore year. The analysis of gymnastic, athletic and occupational movements from the standpoint of their motor mechanism. *Four hours, spring term.*

UPPER DIVISION

Voluntary Physical Education. For any and all students of the University. The departments of physical education for men and women offer the following sports for those interested: swimming, basketball, indoor baseball, volley ball, field hockey, padding, archery, indoor track, handball, soccer, boxing, wrestling, tennis, golf and squash. *No credit.*

101a,b,c. *The Principles and Technique of Teaching*. Required of all majors during the junior year. Gymnastic terminology, the use of signals, and matters of presentation, supplemented by practice in class instruction. The basic principles of selection, classification and progression of exercise are considered during the spring term. *Two hours, each term.*

102a,b,c. *Play and Playground Management*. Required of all majors in the junior year. Lectures and reading on nature and function of play, age periods and adaptation of activities, social environment, playground development, construction, management, supervision. One period each week, fall and winter terms. Practice in class instruction in games, story-plays, handwork and other physical activities. One period each week, fall and winter terms. Practice in recreation material, athletics, field meets. Two periods, spring term. Practical application in teaching age groups on university playground. One laboratory period a week, each term. *Three hours, each term.*

103-104-105. *Advanced Gymnastics and Coaching of Sports*. Required of all women majors in junior year. Advanced marching tactics, progression to the most difficult types of gymnastic work. Heavy apparatus. Three periods a week, fall and winter terms. Theory and practice of coaching sports. Four periods a week, spring term. *One hour, each term.*

106-107-108. *Advanced Gymnastics and Coaching of Sports*. For women majors in the senior year. Theory and practice in technique and coaching of sports. Three periods a week, fall and spring terms. Gymnastics to music, including marching, dumb bells, wands, Indian clubs, and heavy apparatus of German type. Three periods a week, winter term. *One hour, each term.*

111a,b,c. *Principles of Physical Education*. Required of all majors in the senior year. The aims and functions of physical education; its place in a scheme of general education. The problem of interest and adaption of the means of physical education to this end. Organization and administration of physical education and problems of supervision. *Three hours, each term.*

121a,b,c. *Theory and Practice of Individual Gymnastics*. Required of all majors in junior year. Lectures, assigned reading and clinical practice in individual gymnastics for posture, foot and minor defects. Recognition of cases coming within the scope of the physical educator. Technique of physical measurement. Prerequisites, kinesiology and physiology. Two lectures and one laboratory period a week. *Three hours, fall and winter terms.*

122a,b,c. *Practice of Individual Gymnastics*. For senior women majors. *One hour, each term.*

125a,b,c. *Principles of Individual Gymnastics*. Elective for majors in the senior year. Lectures, assigned reading and clinical practice in individual gymnastics, massage, heat and light therapy, for referred cases. Prerequisites, course 121a,b,c. *Three hours, each term.*

131a,b,c. *Educational Interpretative Dancing Technique*. Required of women majors in the junior year. Free bodily control of means of fundamentals which are an appreciation of the natural laws of locomotion and muscular coordination; expression of thoughts and feelings through natural rhythmical movements; appreciation and expression of music through movement. Three periods a week. *One hour, each term.*

132a,b,c. *Advanced Educational Interpretative Dancing*. Elective for senior women majors. Prerequisite 131a,b,c. Three periods a week. *One hour, each term.*

133-134-135. *Theory of Dancing*. Required of women majors in the senior year. Historical analysis of the dance as an art form in the cultural development of civilization. Analysis and classification of fundamentals, study of dance forms, music, dance drama. Prerequisite 131a,b,c. *One hour, each term.*

160a,b,c. *Thesis*. All major students will be expected to write during the senior year, a thesis based on their own investigation. Subjects to be chosen after consultation with heads of departments. Credit to be based on quality of work done.

GRADUATE DIVISION

201. *Corrective Gymnastics and Physiotherapy*. An advanced course in the theory and practice of corrective work. Lectures and clinic. The student will have opportunity for making diagnosis and following cases through treatments. Dr. Stuart. *Three hours, each term.*

202. *Research in Corrective Gymnastics and Physiotherapy*. Specially qualified students may arrange for work of this kind on consent of Dr. Stuart. Dr. Stuart.

203. *Physiology of Exercise*. Lectures and laboratory work. An advanced course in physiology covering the physiology of muscle and nerve activities with applications to exercise, industrial fatigue problems, massage and corrective gymnastics. Bovard. *Three hours, one term.*

204. *Research in Physiology*. Specially qualified students may arrange to take problems concerned with muscle nerve physiology. Bovard.

SCHOOL OF SOCIOLOGY

THE FACULTY

P. L. CAMPBELL, B.A., LL.D.	President of the University
F. G. YOUNG, B.A., LL.D.	Dean of the School of Sociology
CARLTON E. SPENCER, LL.B.	Registrar of the University
M. H. DOUGLASS, M.A.	University Librarian
PHILIP A. PARSONS, Ph.D.	Director of the Portland School of Social Work
J. READ BAIN, M.A.	Assistant Professor of Sociology

FACULTY OF THE PORTLAND SCHOOL OF SOCIAL WORK

Philip A. Parsons, Ph.D.	Professor of Sociology, U. of O., Director of Portland School of Social Work.
Elnora E. Thomson, R.N.	Director Public Health Nursing, Portland School of Social Work.
Marion G. Crowe, R.N.	Superintendent Visiting Nurse Association, Portland.
George Ehinger, B.A.	Secretary Oregon Child Welfare Commission, Portland.
G. Eleanor Kimble, M.A.	Assistant Secretary, Public Welfare Bureau, Portland.
Jane C. Allen, R.N.	Director Public Health Nursing and Child Hygiene, State Board of Health.

ORGANIZATION

The work of the School of Sociology is arranged to provide cultural courses for undergraduates and professional training for social workers and for civic leaders. The courses in theory lead to advanced degrees and prepare for effective handling of the problems of progress in present day democratic society. The courses in applied sociology afford training for social workers. To secure more available facilities for supervised field work the courses in applied sociology are given mainly at Portland, under the supervision of the Portland School of Social Work, a division of the school of Sociology.

AIMS

1. The development of ability to interpret the movements in the social process in which the student participates is the purpose of the courses in social origins, evolution and growth and the analysis of human nature. These courses are planned to coordinate and synthesize the knowledge of the student gained through experience and the study of literature, history and the special social sciences.
2. Through systematic analysis of the more fundamental and pressing problems of social adjustment to prepare for constructive leadership.
3. Through mastery of sociological systems of thought, and training in the technique of the social survey, the use of social statistics and their application in community organization and planning, to train for research activities and productive scholarship.

REQUIREMENTS FOR AN UNDERGRADUATE MAJOR

LOWER DIVISION

- 8 term hours in Principles of Economics.
- 6 term hours in Social Origins, Evolution and Growth.
- 3 term hours in Psychological Foundations.

UPPER DIVISION

- 15 term hours in Principles of Sociology and Social Adjustment (New Social Order).
- 12 term hours, Theory of Social Progress and Community Organization and Development.

REQUIREMENTS FOR THE MASTER'S DEGREE

Prerequisites: The attention of the graduate student is called to the general requirements of the Graduate School as set forth under the Graduate School.

Undergraduate training, the equivalent of the requirements in the lower division of the undergraduate major in sociology, must be gained by the candidate for a master's degree with a major in sociology before credits can be earned in fulfillment of the requirements for this degree.

Courses required:
Principles of Sociology, 10 term hours.
Theory of Progress, 6 term hours.
Sociological Systems, 9 term hours.

COURSES OF STUDY FOR MAJORS IN SOCIOLOGY

Social agencies are making ever larger demands for university graduates. Every profession is more and more getting the point of view that normally its primary function is that of a constructive social agency and the avocation of the elite must necessarily be leadership in social adjustment. The distinctive line of social activity the student has in view will naturally determine the combination of courses to be selected. The following courses are suggested as a nucleus:

FRESHMAN	Fall	Winter	Spring
Modern European or English History	4	4	4
Animal Biology	4	4	4
Foreign Language	4	4	4
Elective	1-3	1-3	1-3
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
	16-17	16-17	16-17
SOPHOMORE	Fall	Winter	Spring
Social Origins, Primitive Society and Culture, and Psychological Foundation	3	3	3
Beginner's Psychology	4	4	4
Foreign Language (continuation)	3-4	3-4	3-4
Principles of Economics and Labor Problems	4	4	4
Military Science (men)	1	1	1
Physical Education	1	1	1
	16-17	16-17	16-17
JUNIOR	Fall	Winter	Spring
Principles of Sociology	5	5	5
The New Social Order	3	3	3
Education 51, 52, 53 (for those intending to teach)	8-10	8-10	8-10
Minor, Norm, or elective	16-18	16-18	16-18
SENIOR	Fall	Winter	Spring
Theory of Social Progress	3	3	3
Community Organization and Development	3	3	3
Advanced sociology electives	3	3	3
Education (for those intending to teach)	3	3	3
Minor, Norm or elective	7-10	7-10	7-10
	17-19	17-19	17-19

APPLIED SOCIOLOGY

In addition to the course of study already outlined the following grouping of courses for the first three years is designed especially for students who propose to spend the senior year in the Portland School of Social Work.

The Portland School of Social Work has designed its course to receive students from the campus in the senior year to complete the work for a B.S. or A.B. degree in the regulation time of four years. The ideal arrangement, if the student is able to attend the Portland School of Social Work for two years, is to spend the senior year for the A.B. or B.S. degree at the School and take the second year of Social Work as graduate work. Well established schools in the East are tending in the direction of confining their activities exclusively to work with graduate students. While this is the goal toward which the Portland School of Social Work is aiming, the present conditions both in the social work field and in the University make it imperative that some social work training of specialized character should be given during the regular four-year course.

Candidates for the A.B. and B.S. degree may transfer to the School of Social Work at the beginning of the senior year. In the case of candidates for the A.B. degree the student will be careful to observe the language requirements for that course which must be completed on the campus, as the two years spent in the Portland School scarcely permit of pursuing a language course. Candidates for the B.S. degree, who are relieved from a year of language required of the A.B. candidates will substitute a natural science, preferably chemistry. Owing to the pressure of duties in Portland, Director Parsons will be unable to be on the campus more than one day each week throughout the academic year. This time will be spent in a semi-seminar class for juniors electing the social work course in the School of Sociology.

SOCIAL WORK COURSE OF STUDY

FRESHMAN	Fall	Winter	Spring
Modern European or English History	4	4	4
Modern Language	4	4	4
Animal Biology	4	4	4
Modern Governments or Outlines of English Literature	4	4	4
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
	18	18	18
SOPHOMORE	Fall	Winter	Spring
Social Origins, Primitive Society and Culture, and Psychological Foundations	3	3	3
Beginner's Psychology	4	4	4
Principles of Economics and Labor Problems	4	4	4
Modern Language (continuation)	3-4	3-4	3-4
Military Science (men)	1	1	1
Physical Education	1	1	1
	16-17	16-17	16-17
JUNIOR	Fall	Winter	Spring
Principles of Sociology	5	5	5
New Social Order	3	3	3
Theory of Social Progress	3	3	3
Community Organization	2	2	2
Social Work Seminar	3	3	3
Written English	3	3	3
Psychology or Economics	3	3	3
	16	16	16

Description of Courses

LOWER DIVISION

The following separate courses are regarded as a unit: the minimum elementary basis for the further study of sociology. The purpose of this year-course is to build up a unified and comprehensive view of the conditions under which mankind has advanced to higher planes of living. Prerequisite, sophomore standing.

1a. *Social Origins and Development.* The general evolutionary viewpoint is presented and applied to man. His origin, racial differentiation and dispersion are reviewed. The social nature of the fundamental human institutions is stressed, together with the influences of geographic environment, technology, social heritage, tribal organization and cultural contracts. Bain. *Three hours, fall term.*

1b. *Primitive Society and Culture.* Several typical primitive culture areas are studied somewhat intensively with the idea of impressing upon the student the essential unity of mankind. Then the institutional aspects of primitive society are considered: government, religion, art, technology, the family, social organization, communication, etc. The object is to bring out the similarities and differences as between the various ethnic groups, and to show the relations of these factors to our own civilization, the prime purpose being to develop in the student a critical, comparative, and constructive attitude toward the problems of society. Bain.

Three hours, winter term.

1c. *Psychological Foundations.* The origin and development of human personality through social contact is traced. The play of the different social processes and the establishment of attitudes, habits and relationships are traced as they are determined by the instincts and other elements in human nature. The modifying and directing of the human dispositions toward the attainment of higher ideals are studied. Bain.

Three hours, spring term.

UPPER DIVISION

104a,b. *Principles of Sociology.* The influences and factors determining human life in association are studied. A comprehensive view of the social process is developed. Bain. *Five hours, fall and winter term.*

105. *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. Bain.

Five hours, spring term.

109-110-111. *Social Work Seminar.* Lectures, readings, written reports and papers designed to harmonize the campus class work with the social work training of the Portland school. The various fields of social work will be discussed and the student will familiarize himself with the literature, periodicals, and conspicuous examples of social work in its numerous phases. Open to juniors and seniors electing the pre-social work major in the school of sociology. Parsons. *Three hours, each term.*

112. *Teaching of the Social Sciences.* Prerequisite, two years work in some of the social sciences. Young. *One hour, winter term.*

120. *Sociology and Ethics.* *Three hours, spring term.*

136a,b. *Theory of Social Progress.* Concepts of the social self and of progress are developed and the roles of the different factors affecting progress are determined. Young. *Three hours, fall and winter terms.*

140. *Community Organization and Development.* The unit or focus of common life is defined and the organization for it that will serve to bring into play most effective functioning for normal development. Young.

Three hours, spring term.

GRADUATE DIVISION

202a,b,c. *Sociological Systems.* Selected systems of thought essaying to interpret the course of human history are analyzed with the view of determining their fundamental ideas. The evolution to clearness and scientific character of the hypotheses used, through their receiving increasing support of natural and psychological science, is traced. Prerequisite, 104. Young. *Three hours, each term.*

203. *Social Survey.* Diagnosis of social problems and methods of social investigation; formulation of community programs; presentation of social facts and survey findings. Prerequisite, 104. Young.

Three hours, spring term.

204. *Social Statistics.* Principles of statistics and their application to the data furnished by official publications and special investigations; statistical methods applied to both theoretical and practical problems of sociology. Prerequisite, 104. Young. *Three hours, winter term.*

205. *Town, City and Regional Planning.* Study of the principles of city planning and the relation to regional, state and national planning. Formulation of programs of development based upon fundamental principles of progress. Prerequisite, 104. Young.

Three hours, spring term.

THE SUMMER SESSIONS

THE SUMMER SESSIONS FACULTY

P. L. CAMPBELL, LL.D. (Pacific and Colorado) *President of the University*
 EDMUND S. CONKLIN, Ph.D. (Clark) *Acting Dean of the Graduate School*

THE CAMPUS SESSION

Eugene

COLIN V. DYMENT, B.A. (Toronto) *Dean of the College of Literature, Science and the Arts; Director of the Campus Summer Session*
 CARLTON E. SPENCER, B.A., LL.B. (Oregon) *Registrar of the University*

ERNEST S. BATES, Ph.D. (Columbia) *Professor of Philosophy and English*
 ANNA LANDSBURY BECK, B.A. (Oregon) *Professor of Public School Music*
 JOHN FREEMAN BOVARD, Ph.D. (California) *Dean of the School of Physical Education*
 MERTON K. CAMERON, Ph.D. (Harvard) *Professor of Economics*
 WILLIAM P. BOYNTON, Ph.D. (Clark) *Professor of Physics*
 DAN E. CLARK, Ph.D. (Iowa) *Associate professor of Political Science*
 TIMOTHY CLORAN, Ph.D. (Strassburg) *Professor of Romance Languages*
 WILLIAM JOHN COOPER, M.A. (California) *Superintendent of Schools, Fresno, Calif.*
 CHARLES WENDELL DAVID, Ph.D. (Harvard) *Professor of History, Bryn Mawr College*
 EDGAR E. DECOU, M.A. (Chicago) *Professor of Mathematics*
 ROLLIN DICKERSON, B.A. (Oregon) *Instructor in Education*
 EDWIN DURNO, B.A. (Oregon) *Instructor in Physical Education*
 MARGARET BANNARD GOODALL, B.A. (Oregon) *Instructor in Education*
 GERMAINE DEW, B.A. (Oregon) *Instructor in Romance Languages*
 ELBERT L. HOSKIN, B.S. (Hiram) *Assistant Professor in Education*
 WILLIAM HAYWARD *Professor of Physical Education*
 CHARLES HUNTINGTON *Instructor in Physical Education*
 O. J. JOHNSON, Ph.D. (Minnesota) *Assistant Director, Bureau of Educational Research, St. Paul, Minn.*
 WILLIAM LIVINGSTON, M.D. (Harvard) *University Physician*
 WILLIAM E. MILNE, Ph.D. (Harvard) *Professor of Mathematics*
 EARL L. PACKARD, Ph.D. (California) *Professor of Geology*
 FERGUS REDDIE, B.A. (Valparaiso) *Professor of Drama and the Speech Arts*
 ETHEL I. SANBORN, M.A. (Oregon) *Instructor in Botany and Bacteriology*
 ETHEL SAWYER (Pratt) *Director of Training Courses, Portland Public Library*
 JOSEPH H. SCHAFER, Ph.D. (Wisconsin) *Superintendent, Wisconsin Historical Society*
 FRIEDRICH G. G. SCHMIDT, Ph.D. (Johns Hopkins) *Professor of German*
 FREDERICK L. SHINN, Ph.D. (Yale) *Professor of Chemistry*
 FRED L. STETSON, M.A. (Washington) *Professor of Education*
 HAROLD G. TANNER, M.A. (Nebraska) *Assistant Professor of Chemistry*
 GEORGE TURNBULL, B.A. (Washington) *Professor of Journalism*
 EMMA WATERMAN, B.A. (Minnesota) *Instructor in Physical Education*
 MARY E. WATSON, M.A. (Oregon) *Professor of English*
 RAYMOND HOLDER WHEELER, Ph.D. (Clark) *Professor of Psychology*
 CHARLES HUNTINGTON WHITMAN, Ph.D. (Yale) *Professor of English, Rutgers College*
 HARRY B. YOCOM, Ph.D. (California) *Professor of Zoology*
 FREDERIC G. YOUNG, LL.D. (Oregon) *Dean of the School of Sociology*

EDWARD D. MCALISTER, B.A. (Oregon) *Graduate Assistant in Physics*
 DORCAS E. CONKLIN, B.A. (Oregon) *Assistant in Physical Education*
 CHARLOTTE T. HOWELLS, B.A. (Oregon) *Assistant in Physical Education*

THE PORTLAND SESSION

EARL KILPATRICK, B.A. *Dean of the Extension Division*
 *Director of the Portland Session*
 MARGARET M. SHARP *Secretary of the Portland Extension Center*

THE SUMMER SESSIONS

MR. GEORGE A. GREEN, *Director Citizen's Bureau, Cleveland, Ohio*
 WILLIAM H. BOYER *Supervisor of Music, Portland Public Schools*
 CATHERINE A. BRADSHAW *Secretary of Portland Americanization Council*
 ROBERT C. CLARK, Ph.D. *Professor of History, University of Oregon*
 MARGARET D. CREECH, B.A. *Secretary Confidential Exchange, Portland Community Chest*
 HORACE A. EATON, Ph.D. *Professor of English, Syracuse University*
 FREDERICK W. GOODRICH *Instructor in Music, Portland Center*
 HENRY M. GRANT, B.A. *Executive Secretary, Oregon Social Hygiene Society, Portland*
 CELIA V. HAGER, M.A. *Instructor in Psychology, University of Oregon*
 HELEN S. HARTLEY, B.S., R.N. *Associate Director, Public Health Nursing, Portland School of Social Work, University of Oregon*
 SAMUEL BANNISTER HARDING, Ph.D. *Professor of History, University of Minnesota*
 EARL KILPATRICK, B.A. *Director of Extension Division, University of Oregon*
 ROBERT KROHN *Supervisor of Physical Education, Portland Public Schools*
 HENRIETTA E. MOORE, Ph.D. *Instructor in English, Portland Center*
 VICTOR MORRIS, M.A. *Professor of Economics, Grinnell College*
 MARY H. PERKINS, M.A. *Professor of English, University of Oregon*
 O. C. PRATT, Ph.B. *Superintendent of City Schools, Spokane, Washington*
 CHARLES N. REYNOLDS, M.A. *Executive Secretary, University of Oregon Medical School*
 IRA RICHARDSON, M.A. *Associate Professor of Education, Extension Division, University of Oregon*
 EDWARD L. SCHAUB, Ph.D. *Professor of Philosophy, Northwestern University*
 HELEN MILLER SENN, B.A. *Instructor in Public Speaking, Portland Center*
 ALBERT R. SWEETSER, M.A. *Professor of Botany, University of Oregon*
 CLINTON H. THIENES, B.A. *Instructor in University of Oregon Medical School*
 ELMORA E. THOMSON, R.N. *Director of Public Health Nursing, Portland School of Social Work, University of Oregon*
 F. MYRON WARRINGTON (Diplome de l'Université de Paris) *Professor of Commerce, University of Oregon*
 BEN H. WILLIAMS, Ph.D. *Instructor in Political Science, University of Pennsylvania*
 BERTHA G. WILSON, R.N. *School Nurse, Portland Public Schools*
 ESTHER W. WUEST *Supervisor of Art, Portland Public Schools*

INTRODUCTORY

The nineteenth annual summer sessions of the University of Oregon will be held simultaneously on the campus at Eugene and in the Portland Center, beginning immediately after commencement and continuing for six weeks.

On the campus at Eugene, emphasis will be placed upon courses of specialized, advanced and graduate character wherein the libraries and laboratories of the University can be utilized fully. In the Portland Center courses of more general character will be offered, reference work being done in the Multnomah County Library. This differentiation does not mean that there will be no elementary courses at Eugene and no advanced courses at Portland. It means, rather, that elementary courses will be offered at Eugene only in those subjects in which the demand is heavy or the need for the specialized facilities evident; and that advanced work in Portland will be restricted to courses in which large enrollment can be predicted.

REGISTRATION

Registration will take place in Eugene on Wednesday, June 27, and in Portland on Monday, June 25. The Registration fee for the Summer session is twelve dollars and fifty cents (\$12.50). In most of the laboratory courses there is a moderate laboratory fee to help defray the cost of materials and upkeep of equipment. The amounts of these fees will be given in the schedule of courses distributed at the opening of the session.

The student may carry the amount of work necessary to earn nine term-hours of credit during a six weeks session.

REQUIREMENTS FOR ADMISSION AND DEGREES

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

Admission to Work for a Degree—Students who wish to become candidates for a degree from the University must satisfy the regular university entrance requirements. Credentials consisting of the transcripts of the high school or preparatory work of such students should be filed with the registrar of the University as early as possible before the opening of the session.

Entrance Requirements—For entrance to the University the student must present 15 units of high school work, of which ten are from selected subjects as follows:

English	8	History	1
Algebra	1	Science (with laboratory)	1
Geometry	1	Additional unit in any subject in this group	1
One foreign language	2		

Elective units to the amount of five are permitted, but no credit is granted for drill, spelling, penmanship, physical training, or for work which may be classed as largely or purely a student activity.

Advanced Standing—Advanced standing will be given students coming from institutions of collegiate rank, who can satisfy the committee on advanced standing that the courses offered are equivalent to those given by the University. All applicants for advanced standing must present complete official transcripts covering both their high school and college records, and a letter of honorable dismissal. The committee will meet to consider petitions for advanced standing in the first week in July.

Residence Requirement for Degrees—At least 45 term-hours must be earned in residence at the University of Oregon. The 45 term-hours immediately preceding graduation must also be earned with the University, although not necessarily in residence.

Further information concerning admission and graduation requirements may be obtained from the registrar of the University.

Advanced Degrees—Students seeking advanced degrees should file their credentials with the registrar of the University for the consideration of the Graduate Council at an early date, and should as soon as practicable, draw up a tentative programme of work leading to the degree for submission to the Council.

GRADUATE WORK

Special consideration is given to the requirements of graduate students in planning the work of the campus summer session. A number of courses are offered which are open to graduate students only. Many of the upper division courses are so arranged that they may be used for graduate credit. The visiting members of the summer session faculty are selected for the stimulus which they can bring to the graduate work. In most departments the summer courses are arranged in two or three year sequences. Qualified students doing advanced or graduate work may, by special arrangement with their instructors, continue independent study for an additional six weeks in the library or the laboratories of the university.

Some advanced courses in the Portland Center may by special arrangement be used for graduate credit.

All students contemplating graduate work in the summer session should see the regulations concerning graduate study published in the bulletin of the graduate school (to be had upon application to the Registrar.)

SUMMER SESSION COURSES

The University has published a special bulletin giving a full description of the courses offered both at Eugene and in Portland, which may be secured by writing either to the Extension Division, University of Oregon, Eugene, Oregon, or to the Portland Extension Center, University of Oregon, 652 Courthouse, Portland, Oregon.

THE EXTENSION DIVISION

THE EXTENSION FACULTY

PRINCE L. CAMPBELL, A.B., LL.D. (Colorado)	President of the University
EARL KILPATRICK, A.B. (Oregon)	Dean of the Extension Division and Director of the Portland Center
CARLTON E. SPENCER, LL.B. (Oregon)	Registrar of the University
DAN E. CLARK, Ph.D. (Iowa)	Director of Instruction by Correspondence
ALFRED POWERS, A.B. (Oregon)	Director of Social Welfare and Visual Instruction
IRA RICHARDSON, M.A. (Columbia)	Assistant Director
MOZELLE HAIR, A.B. (Oregon)	Director of Organization and Administration of Correspondence Study
MARY E. KENT, A.B. (Oregon)	Secretary to the Director
MARGARET M. SHARP	Secretary of the Portland Center

INSTRUCTORS IN CORRESPONDENCE-STUDY

PERCY P. ADAMS, B.S. (Oregon)	Mechanical Drawing
MRS. ERIC W. ALLEN, A.B. (Wisconsin)	Short Story
ERNEST S. BATES, Ph.D. (Columbia)	Contemporary Poetry
CECELIA BELL, A.B. (Oregon)	English Literature
MRS. E. F. CARLETON, A.B. (Oregon)	Sociology
PAUL W. COOK	Geology
PETER C. CROCKATT, Ph.D. (California)	Principles of Ocean Transportation
ARTHUR N. ELY	Economics
FRANKLIN E. FOLTS, A.B. (Oregon)	Banking and Principles of Investment
JAMES H. GILBERT, Ph.D. (Columbia)	Economics
CELIA V. HAGER, M.A. (Oregon)	Psychology
MRS. H. G. KEENEY	Bird Study
WAVE LESLEY	Physics
MRS. GRACE R. MANN	English Composition and American Literature
RALPH U. MOORE	Education
MRS. ELIZABETH C. NICHOL, A.B. (Oregon)	Mathematics
OSCAR W. RICHARDS	Physiology
ETHEL I. SANBORN, M.A. (South Dakota)	Botany
F. G. G. SCHMIDT, Ph.D. (Johns Hopkins)	German
GLYDE SCHUEBEL	French
MARGUERITE STRAUGHAN	History
FLORENCE WHYTE, A.B. (California)	Spanish

INSTRUCTORS IN PORTLAND EXTENSION CENTER

†PERCY P. ADAMS, B.S. (Oregon)	Architecture
EVERETT P. BABCOCK	Art
†READ BAIN, M.A. (Oregon)	Economics and Sociology
†WALTER C. BARNES, A.B. (Oxon)	History
†ERNEST S. BATES, Ph.D. (Columbia)	Literature and Philosophy
CARL C. BEACH	Traffic Problems
ROBERT L. BENSON, M.D.	Pathology
*†THOMAS J. BOLITHO, A.B. (Washington State)	Accounting
WILLIAM H. BOYER	Music
GEORGE E. BURGET, B.S., M.D.	Physiology
†R. C. CLARK, Ph.D. (Wisconsin)	History
†WILKIE N. COLLINS, A.B. (Pennsylvania)	Rhetoric and English Literature
E. ALBERT COOK, Ph.D.	History and Philosophy
†PETER C. CROCKATT, Ph.D. (California)	Economics
MARION G. CROWE, R.N.	Sociology

*On leave of absence during fall of 1922.

†Member of the academic faculty of the University at Eugene.

†ROSALIA P. CUEVAS, M.A. (Columbia)	Spanish
EDWARD T. DEVINE, Ph.D.	Sociology
†HARL R. DOUGLASS, M.A. (Missouri)	Education
ROBERT H. DOWN, A.B.	Civics
CLYDE EAGLETON, M.A.	History
GEORGE EHINGER, A.B.	Sociology
A. ALEXANDER ENNA	Danish-Norwegian
†AAROD FAIRBANKS (Scholarship Art Students' League, New York; Ecole des Beaux Arts; Ecole Colorossi, Ecole Moderne)	Art
†FRANKLIN E. FOLTS, A.B. (Oregon)	Banking and Investment
W. C. FOSTER, A.B., M.D.	Anatomy
MME. GEORGE E. FROST (Berlin, State Examination in Philology, Diploma)	French
†ANDREW FISH, Ph.D. (Clark)	History
A. E. GERHARDT	Commerce
EMILIO GOGGIO, Ph.D.	French
FREDERICK W. GOODRICH	Music
HENRY M. GRANT, A.B.	Sociology
LAWRENCE E. GRIFFIN, Ph.D.	Biology
†CHESTER A. GREGORY, Ph.D. (Iowa)	Education
†ANNE HARDY, B.A. (Stanford)	Education
HELEN S. HARTLEY, B.S., R.N.	Sociology
†CELIA V. HAGER, M.A. (Oregon)	Psychology
J. HUNT HENDRICKSON, A.B., LL.B.	Commerce
†RALPH C. HOEBER, A.B.	Economics
FRANK HILTON, A.B., J.D.	Commerce
†EDWIN T. HODGE, Ph.D. (Columbia)	Geology
†PHILIP W. JANNEY, A.B. (Oregon)	Commerce
G. ELEANOR KIMBLE, M.A.	Sociology
WILLIAM S. KIRKPATRICK	Advertising
S. C. KOHS, Ph.D. (Stanford)	Psychology and Sociology
ROBERT KROHN	Physical Education
†ALFRED L. LOMAX	Foreign Trade
I. A. MELENDY, M.A.	Greek
†ROLAND M. MILLER, M.A.	Economics
†RUTH MONTGOMERY, M.A.	Education
C. CARL MYERS, B.B.A. (Oregon)	Commerce
HAROLD MYERS, A.B., M.D.	Pharmacology
ALICE ORMANDY	Public Speaking
MABLE HOLMES PARSONS, M.A. (Michigan)	Rhetoric and English and American Literature
PHILIP A. PARSONS, Ph.D. (Columbia)	Sociology
†MARY H. PERKINS, M.A. (Radcliffe)	Rhetoric
HENRY F. PRICE, Ph.D.	Mathematics
BENIAMINO RE (Diploma, Colgate Theological Seminary, Italian Department)	Italian
*†GEORGE REBEC, Ph.D. (Michigan)	Philosophy
CHARLES A. RICE, A.B.	Education
†FRANK J. RUTTER, Ph.D. (Johns Hopkins)	Foreign Trade
HOMER P. RUSH, M.D.	Physiology
EDWARD L. SCHAU, Ph.D.	Education
H. J. SEARS, Ph.D.	Bacteriology
HELEN MILLER SENN, A.B. (Michigan)	Public Speaking
†F. G. G. SCHMIDT, Ph.D. (Johns Hopkins)	German
†HENRY D. SHELTON, Ph.D. (Clark)	Education
ANNA T. SMITH	Public Speaking
L. B. SMITH, LL.B.	Foreign Trade
J. DUNCAN SPARTH, Ph.D.	English Literature
†A. R. SWEETSER, M.A. (Wesleyan)	Botany
†F. L. STETSON, M.A. (Washington)	Education
CLINTON H. THIENES, A.B. (Oregon)	Chemistry

*On leave of absence during fall of 1922.

†Member of the academic faculty of the University at Eugene.

ELNORA E. THOMSON, R.N.	Sociology
BERT I. TREIGER	Hebrew
CHARLES VANZILE, A.B.	Commerce
A. R. VEJAR, Ph.D. (Walton College, Spokane)	Spanish
MRS. J. VICK	Russian
W. D. WALLIS	Sociology
F. MIRON WARRINGTON (Diplome de l'Université de Paris)	Commerce
R. M. WENLEY, Ph.D.	Philosophy
†JOHN R. WHITAKER, B.S. (Pennsylvania)	Commerce
RABBI JONAH B. WISE	History
ESTHER WUEST	Art
IRENE WUEST	Art
†KIMBALL YOUNG, Ph.D.	Psychology
NOLAN B. ZANE, (Pennsylvania Academy of Fine Arts, Chicago Art Institute, graduate Drexel Institute)	Art

ORGANIZATION

The Extension division is an integral and specialized division of the University, correlative with the several schools of the University. Through the Extension division the University renders service to individuals, organizations and communities outside the campus. All such service when rendered in the name of the University of Oregon is undertaken and carried out through the extension service.

The main activities of the Extension division as at present organized are comprised in four departments:

- (1) Portland extension center.
- (2) Department of correspondence study.
- (3) Department of visual instruction.
- (4) Department of social welfare.

PORTLAND EXTENSION CENTER

The Portland extension center, organized in 1917, maintains an office in the Multnomah county court house and holds its classes in the Lincoln high school and elsewhere.

The purposes of the Portland center are: (a) to make it possible for a large group of people to acquire some degree of higher education, or to continue or supplement their higher education, even though they be not able to drop their daily work and go to college; (b) to furnish information and counsel concerning University procedure—admission, credit, selection of courses, etc.

The activities of the Portland center are fully coordinated with those of the campus by the use of many campus instructors, and by frequent conferences with deans of schools and heads of campus departments.

CORRESPONDENCE STUDY DEPARTMENT

The correspondence study department, begun in 1907, includes 91 courses, practically all of college grade.

No entrance examinations are required, but any person of sufficient maturity to carry courses with profit may register for them. The Extension division reserves the right, however, to advise students regarding the courses that are best suited to their preparation and needs.

†Member of the academic faculty of the University at Eugene.

ELIGIBILITY TO CORRESPONDENCE-STUDY

The correspondence courses offered by the extension division of the University of Oregon are intended primarily for residents of the state. Exceptions are sometimes made in the case of students who are out of the state temporarily or of non-residents who are definitely preparing to enter the University. Special fees are required of non-residents.

No student is expected to carry correspondence work while in actual attendance at any college or high school. If work is done under such conditions, it must be by special consent of the department of extension teaching, following the advice of the resident instructors of the student.

CREDIT FOR CORRESPONDENCE-STUDY

Undergraduate. Sixty term hours is the maximum amount of credit that may be earned in correspondence courses and counted toward the degree of bachelor of arts.

Graduate. Candidates for the degree of master of arts may, subject to the approval of the graduate council, satisfy the residence requirements by completing eighteen term hours in regular summer sessions and nine term hours in special research work at the University under the immediate direction of the major professor, subject to the rules of the graduate council and with the consent of the major professor, they may make arrangements to complete a portion of the work remaining through correspondence courses.

Entrance. Students who are deficient in entrance credits may, under certain conditions, make up such deficiencies through correspondence courses.

EXTENSION MONITOR

All correspondence students receive the Extension Monitor, a magazine published by the extension division as the special organ of the correspondence-study department, which contains information and suggestions for students, as well as articles of general interest.

TEACHERS' READING CIRCLE

Under correspondence-study may also be classified the Teachers' Reading Circle, given in cooperation with the State Superintendent of Public Instruction, through which between 4000 and 5000 teachers do professional reading each year under the supervision of the University.

EXTENSION CLASSES

Affiliated also with correspondence-study at present are the extension classes held elsewhere than in Portland.

DEPARTMENT OF VISUAL INSTRUCTION

Visual instruction service includes a library of stereopticon slides, moving picture films, rock and mineral sets, microscopical slides, and other material usable for educational purposes by schools, community clubs and other appropriate organizations.

A special catalogue is published and seasonal lists are available on application to the Extension division, Eugene, Oregon.

The service of this department was extended in 1922 to audiences totaling approximately 250,000.

DEPARTMENT OF SOCIAL WELFARE

The department of social welfare includes extension lectures, extension participation in surveys and investigations, conferences, institutes and publications, as well as the direct service of the faculty members under extension auspices to many aspects of the intellectual and recreational life of the state.

In this department the secretaryship of the Oregon High School Debating league has been administered by the University since the foundation of the league in 1907. Bulletins of the league are available upon application.

Extension lectures in 1922 were given by faculty members of the University to audiences totaling approximately 61,000. These lectures are arranged by correspondence with the organizations interested. No lecture fee is charged, but the expenses of the lecturer are paid by the committee or organization in charge.

Among the surveys and investigations in which the Extension division has cooperated in recent years are:

The Oregon State survey of defectives and delinquents made by Dr. Chester L. Carlisle of the United States Public Health Service; a rural survey of Lane County, in connection with the Presbyterian county church commission; a study of the county school systems of the state of Oregon on the ten points of efficiency of the Russell Sage study of state systems. This last compilation was published by State Superintendent Churchill and has been of great value in improving school conditions.

FEES

The fees for correspondence-study are given in the correspondence-study catalogue published by the Extension Division, University of Oregon, Eugene, Oregon. Other information concerning the activities of the Extension Division is also available upon request.

DEGREES CONFERRED DURING YEAR 1921-1922

BACHELOR OF ARTS

CARRIE H. ARSHER, Portland
History
MYRTLE N. ANDERSON, Portland
Chemistry
MILDRED H. APPERSON, McMinnville
Botany
GUY EUGENE ARMANTROUT, Eugene
Business Administration
JOEY KENNETH ARMSTRONG, Portland
Law
LILLIAN AULD, Eugene
Rhetoric
ANNA K. AULT, Eugene
Romance Languages
P. S. AULT, Eugene
Economics
ECHO ROSALIND BALDERER, Dallas
Physical Education
MAE BALLACK, Albany
Rhetoric
ALDA M. BERRY, Newport
English Literature
ARNOLD MCCOY BLACKBURN, Portland
Economics
GEORGE VERNIE BLUE, Ashland
History
GRACE BOLICK, Astoria, Wn.
History
DOROTHEA BOYNTON, Eugene
Psychology
ARTHUR BRAMLEY, Eugene
Physics
WILFORD MYRON BRIGGS, Dilley
Zoology
WANDA BROWN, Stayton
Botany
RAYMOND HEWER BURNS, Coquille
Business Administration
ARTHUR WILLIAM CAMPBELL, Heppner
Chemistry
IAN CAMPBELL, Eugene
Geology
CAROLYN CANNON, Portland
Physical Education
HELEN VIRGINIA CARSON, Hood River
Romance Languages
W. THOMAS COATES, Tillamook
Business Administration
ELEANOR COLEMAN, Eugene
English Literature
ELAINE COOPER, Portland
History
CLARA E. CONNIGAN, McMinnville
Education
VIOLET B. CRANDALL, Eugene
Romance Languages
WANDA LOLETA DAGGETT, Portland
Chemistry
PAULINE V. DEVIN, Portland
Rhetoric
GERMAINE DEW, Portland
Psychology
DOROTHY M. DICKEY, Eugene
Music
HELEN EVANGELINE DOUGHERTY, Portland
English Literature
VERNON ANDREWS DOUGLAS, Portland
Zoology
MAURINE ELROD, Portland
Psychology
ALICE EVANS, Portland
Botany
MARY CATHERINE EVANS, Portland
Education
ESTHER FELL, Eugene
Business Administration
MILDRED FERGUSON, Newberg
History
RUTH M. FLEGAL, Eugene
Zoology
GLENN O. FRANK, Eugene
Chemistry
FLORENCE FURUSET, Eugene
Physical Education
PHERE ELIZABETH GAGE, Portland
Normal Art
EMMA JANE GARBADE, Portland
Physical Education
HERBERT LEROY GEARY, Clatskanie
Business Administration
ROBERTA ADELE GIBSON, Long Beach Cal.
Education
MARGERY GILBERT, Salem
Education
REUBEN CHARLYLE GOFFERTIERE, Portland
Music
ELINOR GOODNOUGH, Wallowa
Romance Languages
MARTHA LOIS HALL, Eugene
Education
ROXIE HALL, Marshfield
Education
NEWTON S. HARRILL, Canyon, Texas
Business Administration
LILLIE PEARL HASENMAYER, Portland
History
LOUISE HASSEN, Eugene
Latin
BERTHA ALICE HAYS, Eugene
Education
VERA E. HENDERSON, Portland
English Literature
BEATRICE HENSLEY, North Bend
English Literature
LEO GEORGE HENTLEIN, Wichita, Kansas
Geology
ARTHUR CLARK HICKS, Canyon City
Romance Languages
ELSIE HILDEBRAND, Eugene
Physical Education
HELEN VIRGINIA HOOVER, San Francisco, Cal.
Romance Languages
WILBUR KLOOZ HOYT, Hood River
Business Administration
KENNETH WALTER JONES, Camas, Wn.
Business Administration
NORRIS RICHARD JONES, Portland
Zoology
MARY ALTA KELLY, Portland
Normal Art
ELIZABETH KESSI, Harlan
Rhetoric
ISABELLE J. KIDD, Portland
Latin
HAROLD W. KING, Grants Pass
History
HELENE KUYKENDALL, Eugene
Normal Art
RUTH ANN LANE, Eugene
Business Administration

MARY D. LARGENT, Silverton
Zoology
HAROLD NEWTON LEE, Newberg
English Literature
IRA WILLIAM LEWIS, Eugene
Education
GLADYS MILDRED LUPHER, Eugene
Chemistry
INA MARJORIE MCCOY, Portland
Romance Languages
HOWARD TAYLOR MCCULLOCH, Portland
Mathematics
OLA MORSE McDERMOTT, Eugene
Education
MARY VIRGINIA McDOUGLE, Eugene
Sociology
MURIEL MCKINLEY, Salem
English Literature
AVOCA S. McMINIS, McMinnville
Latin
BERNICE JEAN MACKENZIE, Salem
Latin
HOPE L. MACKENZIE, Portland
Psychology
MYRTLE MAY MAGERLE, Rogue River
Physical Education
DOROTHY DALE MANVILLE, Portland
Romance Languages
F. ELIZABETH MELIS, Mist
Drama and the Speech Arts
RUTH M. MELLINGER, Newberg
History
DOROTHY A. MILLER, Eugene
Physical Education
JAY F. MILLER, Medford
Chemistry
MARY SPEER MOBLEY, Williams, Cal.
Education
MAUDE MCKINNEY MOCHIEL, Woodburn
English Literature
MAPLE DELL MOORE, Wilbur
Rhetoric
KATHERINE HALL MORSE, Olympia, Wn.
Mathematics
M. LUCILE MURTON, Portland
English Literature
HELEN E. NELSON, Pendleton
Business Administration
ILA RUTH NICHOLS, Hood River
Business Administration
EDWIN E. OSGOOD, Portland
Zoology
GEORGINA MARGARET PARKINS, Gardiner
History
EMILY ABBIE PERRY, Tacoma, Wa.
English Literature
MARGARET PHELPS, Pendleton
Music
TROY AUBREY PHIPPS, Ashland
Physics
DORIS EMILY PITTINGER, Portland
Drama and the Speech Arts
FRANK KENNETH POWER, Salem
Chemistry
DELMER LANCE POWERS, Eugene
Geology
WILLIAM CATO RALSTON, Portland
Law
ELLA B. RAWLINGS, Corvallis
Physical Education
FLORENCE KATHLEEN RIDDLE, Grants Pass
Psychology
CECIL FRANCIS ROSE, Weston
Latin
AUDREY H. ROBERTS, Medford
English Literature
HELEN ROSE, Salem
Romance Languages
ERNEST AUGUST ROSEN, Portland
English Literature
MARGARET McDONALD RUSSELL, Tacoma, Wa.
Physical Education
HUBERT GREGORY SCHENCK, Eugene
Geology
JAMES L. SEARS, Albany
Zoology
HAZEL SEELY, Independence
Rhetoric
CORWIN V. SEITZ, Alsea
English Literature
RICHARD W. C. SHIM, Portland
Zoology
EMERALD FOSTER SLOAN, Eugene
Chemistry
KENNETH GILBERT SMITH, Portland
Zoology
ELEANOR E. SPALL, Portland
Sociology
GENEVA MARIE STEBNO, Eugene
English Literature
HELEN IRENE STRAUSSER, Portland
Education
BLANCHE SUTTON, Portland
Rhetoric
MARIAN PRISCILLA TAYLOR, Eugene
Business Administration
GRACE ELIZABETH TIGARD, Tigard
Physical Education
GENEVIEVE TILLOTSON, Toledo
Mathematics
EULALIA THERESA TITUS, McMinnville
Greek
JOSEPH E. TORBET, Springfield
Education
J. CLIFTON TUCKER, Philomath
Education
BIRCHARD AMBROSE VAN LOAN, Monmouth
Zoology
ROY NEIL VEATCH, Eugene
Economics
WALTER R. WEGNER, Sutherlin
Business Administration
JANET H. WEST, Portland
Romance Languages
ADELAIDE H. WHITE, Eugene
English Literature
MARIAN E. WHITE, Eugene
History
HELEN CATHERINE WILLIAMS, Eugene
Fine Arts
FORD E. WILSON, Salem
Chemistry
JOSEPH DWIGHT WILSON, Portland
Zoology
HOWARD S. WINES, Eugene
Business Administration
NORTON WINNARD, Eugene
Zoology
YUTAKA R. YAMASHITA, Medford
Sociology
RALPH GLENN YOUNG, Caldwell, Idaho
Zoology
EUNICE GERTRUDE ZIMMERMAN, Eugene
Fine Arts

BACHELOR OF SCIENCE

JOSIAH HORTON BEEMAN, JR., Portland
Economics
ELSA R. BERNER, Clackamas
Sociology
ANNAMAY BRONAUGH, Portland
Education
MARY A. BROWNELL, Portland
Sociology

RITA E. DANFORD, Eugene
Botany
F. RAY DUNN, Eugene
Business Administration
MATHEW HARRIS ELLSWORTH, Eugene
Business Administration
CARL F. GREGG, Eugene
Education
LOLO PLEASANTS HALL, Lakeview
Education
HELEN S. HARTLEY, Portland
Sociology
WALTER CLIVE HUMPHREY, Eugene
Mathematics
ELSTON L. IRELAND, Hood River
Economics
ADAM KRIEGER, Portland
Geology
HAZEL CLAIRE LANKINS, Estacada
History
ELSIE L. LAWRENCE, Medford
Botany
WALTER LAWRENCE, Petaluma, Cal.
Zoology
HELEN LOUGHARY, Dallas
Psychology

BACHELOR OF SCIENCE IN ARCHITECTURE

LYLE PASCOE BARTHOLOMEW, Salem
DWLL F. HINSON, Springfield
CHARLES ARTHUR IRLE, Sumner, Wn.

BACHELOR OF SCIENCE IN EDUCATION

PAUL EUGENE BOWEN, Barnum, Minn.
JOHN C. JOHNSON, Eugene
JESSE McCORD, Portland

Most candidates for degrees who intend going into high school teaching proceed to the B.A. or B.S. One hundred and eleven of the University's candidates for various degrees have this year completed the professional pedagogy requirement in the School of Education. A list appears hereafter.

BACHELOR OF BUSINESS ADMINISTRATION

WAYNE M. AKERS, Wasco
Finance
DAY T. BAYLY, Eugene
General Business
VIRGIL GLENN DELAP, Klamath Falls
Accounting
CRECENE ALVIN FARIS, Eugene
General Business
FRANK N. FASSETT, Eugene
Accounting
MALCOLM H. HAWKE, Forest Grove
Accounting
WAYNE T. LAIRD, Creswell
Foreign Trade
MARCUS LORENZO LATHAM, Silverton
General Business
EARLE E. LESLIE, Coquille
Accounting
BARKLEY G. LOUGHLIN, Portland
General Business
JOHN EVAN MATHESON, Powell River, B. C.
Foreign Trade
FRANKLIN JOHN MILLER, Albany
General Business

BACHELOR OF ARTS IN JOURNALISM

ARNOLD O. ANDERSON, San José, Cal.
RUTH MYRTLE AUSTIN, Woodburn
CLAIRE JEWELL BEALE, Portland
LYLE BRYSON, Eugene
ALLEN CARNCROSS, Monrovia, Cal.

BACHELOR OF SCIENCE IN JOURNALISM

ALEXANDER G. BROWN, Portland
MADALINE HOLMAN LOGAN, McMinnville
ARNE GUNDERSEN RAE, Great Falls, Montana

HERMAN ALEXANDER LEADER, Eugene
History
MARION E. MITCHELL, Portland
Rhetoric
ANNA GRACE PALLETT, Portland
Education
REUBEN RATNER, San Francisco, Cal.
Zoology
HUGO A. REID, Astoria
Chemistry
G. BARTON SHERK, Kennewick, Wn.
Business Administration
MARGARET LOCKE SIMONTON, Eugene
Political Science
JESSIE O. TODD, Eugene
Physical Education
FLORENCE K. VAN METER, Eugene
Zoology
LEAH M. WAGNER, Wilsonville
Education
ADOLPH WEINZIRL, Seattle, Wn.
Zoology
KATHARINE HOLT WILSON, Portland
Rhetoric
RUTH E. WOLFF, Portland
Physical Education

CLEO H. JENKINS, Albany
PETER LIND JENSEN, Eugene

GRACE REEVES, Portland
PETER LINCOLN SPENCER, Ashland
OLGA WIKBERG, Salem

C. CARL MYERS, Eugene
Accounting
DONALD HAINES PORTWOOD, Monmouth
Foreign Trade
LEWIS J. NESS, Portland
General Business
JAMES C. SAY, Sherwood
Finance
PAUL LEWIS SCOTT, Portland
General Business
THOMAS A. STRACHAN, Dufur
Finance
CHARLES VAN ZILE, JR., North Bend
Accounting
FLOYD THOMAS WEBB, Eugene
Accounting
HORACE D. WESTERFIELD, McMinnville
Accounting
ARTHUR FORREST WICKS, North Powder
Foreign Trade
ROLLIN W. WOODRUFF, Portland
General Business
J. FORREST YETTER, Eugene
General Business

JOHN DIERDORFF, Hillsboro
STANLEY Cady EISMAN, Portland
FRANCES C. QUISENBERRY, Eugene
VELMA HELEN RUPERT, Eugene
FLORENCE REBECCA SKINNER, Emmett, Idaho

BACHELOR OF LAWS

LEROY PLUMMER ANDERSON, Eugene
SYLVESTER H. BURLIGH, Enterprise
WILLIAM E. COLEMAN, Portland

KARL FREDERICK GLOS, Portland
ALGER W. LONABOUGH, Sheridan, Wyoming
HENRY BORDEN WOOD, Eugene

BACHELOR OF MUSIC

DOROTHY M. DICKEY, Eugene
Piano

CIVIL ENGINEER

HARRY E. DEVEREAUX, Eugene

GRADUATE SCHOOL

MASTER OF ARTS

J. CARL BOWMAN, B.S., Oregon, Perrysville, Ohio.
Major, Education. Minor, Sociology.
Thesis: The Oregon High School Senior.
FRANCES DAY CURTIS, B.S., Oregon, Portland.
Major, Education. Minor, Sociology.
Thesis: A Manual of Experiments in Elementary Science.
LEIGH CARROLL DOUGLAS, B.A., Willamette, Wenatchee, Wn.
Major, Psychology. Minor, Education.
Thesis: Study of Retardation in the Public Schools of Eugene, Oregon.
LLOYD ALFRED ENDLUND, B.S., Oregon, North Bend.
Major, Education. Minor, Sociology.
Thesis: A Comparison of the Intelligence of Two Schools.
CHARLES FERGUSON, B.A., College of Idaho, Parma, Idaho.
Major, Pharmacology. Minor, Pathology.
Thesis: 1. Evidence of Systemic Interaction of Iodine and Sodium Thiosulphate.
2. The Effect of Salicylate Administration on the Acetone Body Content of the Blood.
DAISY THOMAS HALLECK, B.A., Oregon, Newport.
Major, Education. Minor, Botany.
Thesis: A History of Education in Lincoln County.
JESSAMINE MARGARET MCGLOIN, B.A., Valparaiso, Wall Lake, Ia.
Major, Sociology. Minor, Economics.
Thesis: Social Survey of Oregon.
IRA ALBERT MANVILLE, B.A., Oregon, Eugene.
Major, Physiology. Minor, Bacteriology.
Thesis: Studies on the Fat Soluble A Content of Eggs.
LEVI T. PENNINGTON, B.A., Earlham, Newberg.
Major, English Literature. Minor, Rhetoric.
Thesis: Some Religious Tendencies in Twentieth Century English Poetry.
WILLIAM JAMES RUSSIS, B.A., Oregon, Eugene.
Major, French. Minor, Greek.
Thesis: L'Attitude de la Littérature Française envers la Grèce pendant le XIX^{me} Siècle.
WILLIAM R. SKIDMORE, B.A., Oregon, Comstock.
Major, Chemistry. Minor, Mathematics.
Thesis: The Effect of Temperature on the Rate of Absorption of Oxygen by Wood Charcoal.
SOPHUS KEITH WINTHER, B.A., Oregon, Eugene.
Major, English Literature. Minor, Education.
Thesis: Ruskin's Comments on Sir Walter Scott.

MASTER OF SCIENCE

BENJAMIN HORNING, B.S., Oregon Agricultural College, Eugene.
Major, Zoology. Minor, Bacteriology.
Thesis: The Effect of the Thyroid Hormone upon the Feathers of the Domestic Fowl.
G. RADCLIFFE MCINTYRE, B.S., McMinnville, Eugene
Major, Education. Minor, Sociology.
Thesis: History of the Methodist University of Portland 1891-1900 in Relation to the Educational Policy of the Methodist Episcopal Church (North).
MATTHEW C. RIDDLE, B.A., Reed, Grants Pass.
Major, Biology. Minor, Physiology.
Thesis: The Effect of Thyroxin upon Structure and Function in Paramecium.

DOCTOR OF JURISPRUDENCE

JORY KENNETH ARMSTRONG, Portland

DOCTOR OF MEDICINE

WILFORD HALL BELKNAP, B.S., Prineville
CHARLES FERGUSON, B.A., Parma
ZILPHA VIRGINIA GALLOWAY, B.S., Portland
MILDRED MCBRIDE, B.A., Eddyville
WALTER HERMAN MILLER, B.A., Portland
ALBERT TAYLOR MORRISON, Portland

CHARLES CORNELIUS NEWCASTLE, JR., B.S., B.A.
Portland
EDMUND HENRY PADDEN, Creswell
CHARLES JOSEPH SIMON, Portland
GRACE YOUNG, B.S., Portland

HONORS, 1921-22

DIPLOMA IN SOCIAL WORK TRAINING
THEODORA SCHWANKOVSKY, PortlandCERTIFICATES IN SOCIAL WORK TRAINING
CHESTER F. BENNETT, Vancouver, Wn.CERTIFICATE IN PUBLIC HEALTH NURSING
L. FERN BRISTOL, Portland
JOSEPHINE BROOKS, Portland
FRIEDA HAGEN, Portland
HELAN A. WESTON, Portland
CLAUDINA HOLM, Portland
FRANCIS LACKOFF, Vancouver, Wn.
GRACE C. McDOWELL, Portland

HIGHEST HONORS

The following students have been awarded Highest Honors in the subjects listed below:

BUSINESS ADMINISTRATION
C. CARL MYERSCHEMISTRY
IAN CAMPBELLGEOLOGY
IAN CAMPBELL
HUBERT GREGORY SCHENCKHISTORY
GEORGE VERNE BLUEMILITARY SCIENCE AND TACTICS
EMERALD FOSTER SLOANRHETORIC
GEORGE VERNE BLUE

HONORS IN GENERAL SCHOLARSHIP

GEORGE VERNE BLUE
SYLVESTER H. BURLEIGH
ARTHUR CLARK HICKS
IAN CAMPBELL
ISABELLE J. KIDD

HONORABLE MENTION FOR GENERAL SCHOLARSHIP

LILLIAN AULD
ARTHUR BRAMLEY
W. THOMAS COATES
RITA E. DANFORD
VIRGIL GLENN DELAP
PAULINE V. DEVIN
ROBERTA ADELE GIBSON
BERTHA ALICE HAYS
MARY VIRGINIA MCDUGGLE
C. CARL MYERS
EMILY ABBIE PERRY
TROY AUBREY PHIPPS
HUBERT GREGORY SCHENCK
PETER LINCOLN SPENCER
MARIAN FRISCILLA TAYLOR
GRACE ELIZABETH TIGARD
GENEVIEVE TILLOTSON
FLOYD THOMAS WEBB
OLGA WIKBERG
NORTON WINNARD

STATISTICAL SUMMARY

ENROLLMENT IN THE UNIVERSITY, 1922-23

GRADUATE SCHOOL

	Total	
Portland	81	
Eugene	103*	
	184	184

UNDERGRADUATES

	Men	Women		
Seniors	220	172	392	
Juniors	240	214	454	
Sophomores	323	279	602	
Freshmen	390	348	738	
Part time students	31	18	49	
Law Specials	4	1	5	
Specials	53	38	91	
	1261	1070	2331	2331

SCHOOL OF MEDICINE

SUMMER SESSIONS 1922

	Graduate	Under-graduate		
Portland	43	431	474	
Eugene	87	269	356	
	130	700	830	830
Total registration of regular students				8533

Portland Extension	2369	
Correspondence	1747	
	4116	4116
Total Registration		7649

* Includes students working for the master's degree in the Medical School, Portland.

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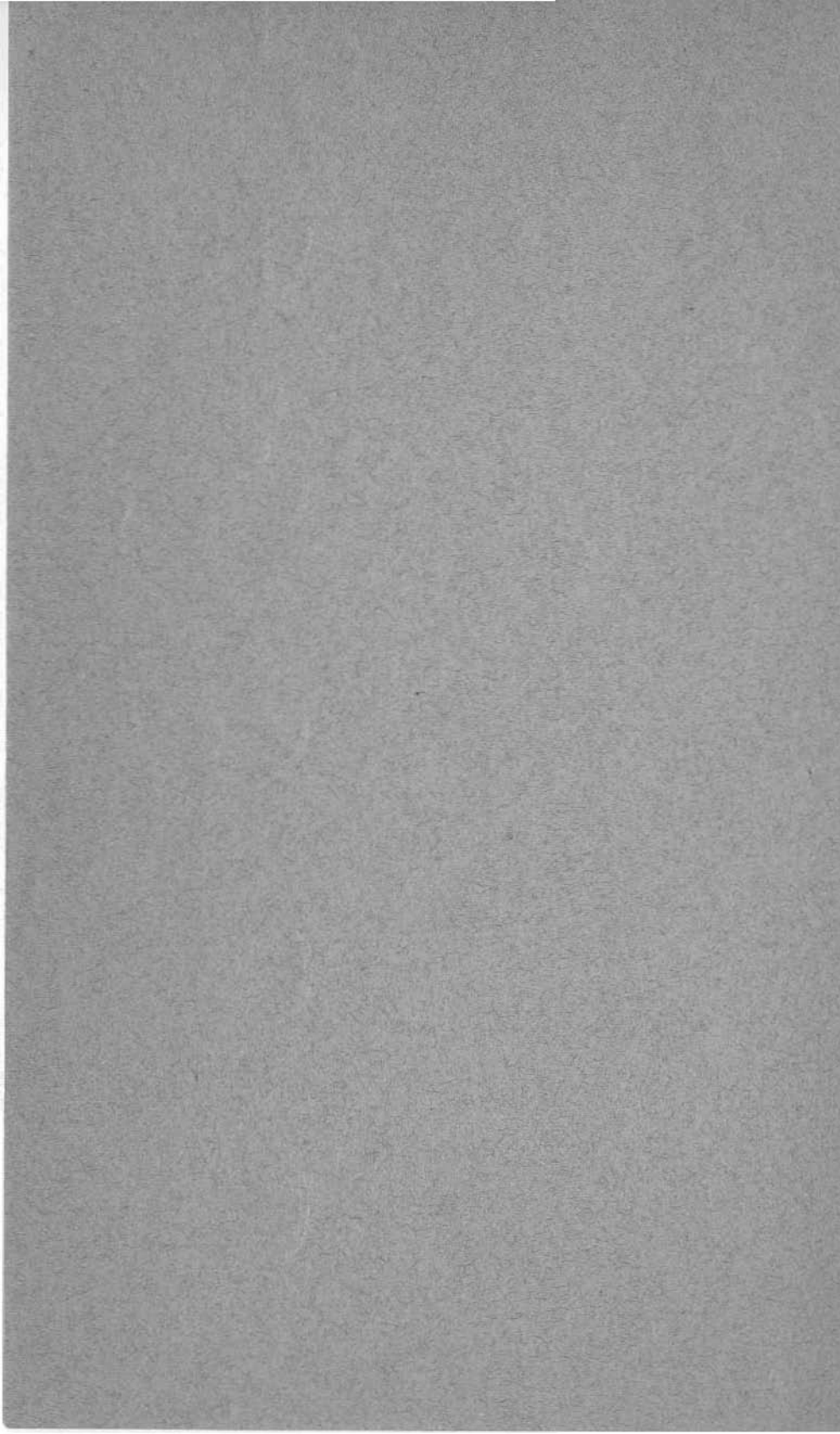
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