

THE UNIVERSITY OF OREGON

EUGENE

OREGON



CATALOGUE 1921-1922

ANNOUNCEMENTS 1922-1923

PUBLISHED BY THE UNIVERSITY, APRIL, 1922

THE UNIVERSITY OF
OREGON

EUGENE



OREGON

CATALOGUE 1921-1922

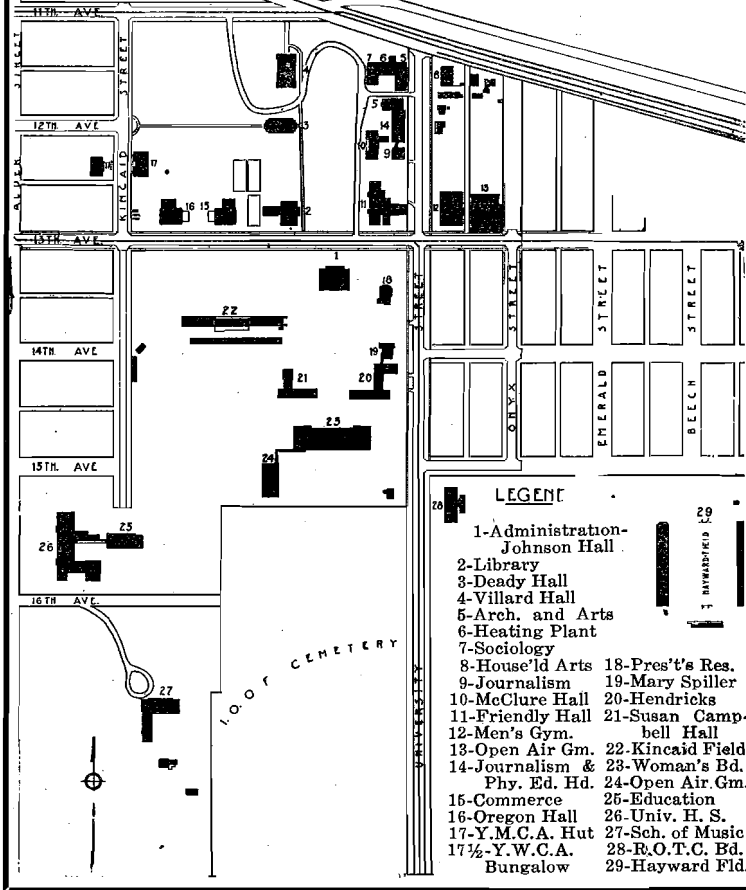
ANNOUNCEMENTS
1922-1923

Published by the University April, 1922
UNIVERSITY PRESS
EUGENE

UNIVERSITY OF OREGON

EUGENE-OREGON

PLAN OF CAMPUS



LEGEND

- | | |
|----------------------------------|---------------------------------|
| 1-Administration
Johnson Hall | 18-Pres't's Res. |
| 2-Library | 19-Mary Spiller |
| 3-Deady Hall | 20-Hendricks |
| 4-Villard Hall | 21-Susan Camp-
bell Hall |
| 5-Arch. and Arts | 22-Kincaid Field |
| 6-Heating Plant | 23-Journalism &
Phy. Ed. Hd. |
| 7-Sociology | 24-Open Air Gm. |
| 8-House'ld Arts | 25-Education |
| 9-Journalism | 26-Univ. H. S. |
| 10-McClure Hall | 27-Sch. of Music |
| 11-Friendly Hall | 28-R.O.T.C. Bd. |
| 12-Men's Gym. | 29-Hayward Fld. |
| 13-Open Air Gm. | |
| 14-Journalism &
Phy. Ed. Hd. | |
| 15-Commerce | |
| 16-Oregon Hall | |
| 17-Y.M.C.A. Hut | |
| 17½-Y.W.C.A.
Bungalow | |

TABLE OF CONTENTS

	Page
Plan of the Campus	2
University Calendar	5
Officers of the University	6
The Board of Regents	6
Officers of Administration	7
The Teaching Faculty	8
Graduate Assistants	18
Committees of the Faculty	19
History and Location	20
Organization and Degrees	21
Buildings and Grounds	22
The University Library	26
The University Museums	27
The University Laboratories	28
The University Studios	31
University Procedure	33
Entrance Requirements	33
Registration	38
Graduation Requirements	40
Student Living	42
Fees and Expenses	47
Loan Funds, Prizes and Scholarships	48
Student Activities	53
Publications	55
The Graduate School	57
The College of Literature Science and the Arts	61
School of Architecture and Allied Arts	148
School of Business Administration	166
School of Education	187
School of Journalism	199
School of Law	203
School of Medicine	213
School of Music	242
School of Physical Education	248
School of Sociology	258
Extension Division	263
The Summer Sessions	268
Statistical Summary	274
Degrees Conferred, 1920-21	275
Index	281

UNIVERSITY CALENDAR 1922-1923

SUMMER SESSIONS 1922

June 19, Monday.....	Portland session opens. Registration.
June 21, Wednesday.....	Eugene session opens. Registration.
July 4, Tuesday.....	Independence Day. A holiday.
July 28, Friday.....	Portland session closes.
July 29, Saturday.....	Eugene session closes.

FALL TERM

September 30, Saturday.....	Fall term opens.
October 2-3, Monday-Tuesday.....	Registration days.
October 4, Wednesday.....	All University work begins.
October 4, Wednesday.....	Faculty meeting.
October 5, Thursday.....	Last day in term for filing undergraduate cards.
October 13, Friday.....	Last day for filing graduate cards.
November 1, Wednesday.....	Faculty meeting.
November 11, 12.....	Home-coming week-end.
November 30, Thursday.....	Thanksgiving.
December 6, Wednesday.....	Faculty meeting.
December 20, 21, 22.....	Term examinations.
December 23, Saturday, to January 7, Sunday	Christmas vacation.

WINTER TERM

January 8, Monday.....	Registration day.
January 9, Tuesday.....	Classes open.
January 10, Wednesday.....	Faculty meeting.
January 10, Wednesday.....	Last day in term for filing undergraduate cards.
January 19, Friday.....	Last day for filing graduate cards.
February 7, Wednesday.....	Faculty meeting.
February 22, Thursday.....	Washington's birthday.
March 7, Wednesday.....	Faculty meeting.
March 28, 29, 30.....	Term examinations.
March 31, Saturday, to April 8, Sunday.....	Spring vacation.

SPRING TERM

April 9, Monday.....	Registration day.
April 10, Tuesday.....	Classes open.
April 11, Wednesday.....	Faculty meeting.
April 11, Wednesday.....	Last day in term for filing undergraduate cards.
April 20, Friday	Last day for filing graduate cards.
May 2, Wednesday.....	Faculty meeting.
May 11, 12, Friday, Saturday	Junior Week-end.
May 30, Wednesday.....	Memorial Day.
June 6, Wednesday.....	Faculty meeting.
June 20, 21, 22.....	Term examinations.
June 22, Friday.....	Flower and Fern Procession, 7 p. m.
June 22, Friday.....	Failing and Beekman oration, 8 p. m.
June 23, Saturday.....	Alumni Day.
June 24, Sunday.....	Baccalaureate sermon, 11 a. m.
June 25, Monday.....	Commencement, 10 a. m.

SUMMER SESSIONS 1923

June 25, Monday.....	Portland 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.

BOARD OF REGENTS

OFFICERS

HON. JAMES W. HAMILTON, President
HON. A. C. DIXON, Vice-President
L. H. JOHNSON, Secretary

EXECUTIVE COMMITTEE

HON. JAMES W. HAMILTON, Ex Officio Chairman
HON. A. C. DIXON, Acting Chairman
HON. CHAS. H. FISHER
MRS. G. T. GERLINGER
HON. VERNON H. VAWTER
HON. HERBERT GORDON

EX-OFFICIO MEMBERS

HON. BEN W. OLCOTT, GovernorSalem
HON. SAM KOZER, Secretary of StateSalem
HON. J. A. CHURCHILL, Superintendent of Public Instruction
.....Salem

APPOINTED BY THE GOVERNOR

Name and Address	Term Expires
HON. A. C. DIXON, Eugene.....	April 15, 1923
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

OFFICERS OF ADMINISTRATION

THE UNIVERSITY

P. L. CAMPBELL, B.A., LL.D.	President
LOUIS H. JOHNSON	Comptroller
KARL W. ONTHANK, M.A.	Executive Secretary
CARLTON E. SPENCER, A.B., LL.B.	Registrar
JOHN STRAUB, M.A., Lit.D.	Dean of Men
ELIZABETH FREEMAN FOX, B.A.	Dean of Women
WILBUR K. NEWELL	Superintendent of University Properties
M. H. DOUGLASS, M.A.	Librarian

THE COLLEGES AND THE SCHOOLS

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

THE TEACHING FACULTY OF THE COLLEGE AND SCHOOLS AT EUGENE

- PRINCE LUCIAN CAMPBELL, LL.D. *President of the University*
A.B., Harvard, 1886; LL.D., Pacific University, 1911; University
of Colorado, 1913; President Oregon from 1902.
- PERCY PAGET ADAMS, B.S. *Professor of Graphics*
B.A., Oregon, 1901; B.S., 1902; Faculty, Oregon, from 1912; Present
position from 1914.
- 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; Publishing Specialties, 1906-09;
Post-Intelligencer, 1909-12; Correspondent, Eastern Papers, 1905-12;
Present Position from 1912.
- MAJOR RAYMOND C. BAIRD *Professor of Military Science and Tactics*
Ph.B., Simpson College; Commissioned in United States Army from
1908; Faculty, Oregon, from 1919.
- 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; B.A., Oxon, 1916. Faculty, British Columbia, 1917-18;
California, 1918-19; Present position, 1920.
- JAMES DUFF BARNETT, Ph.D. *Professor of Political Science*
A.B., Emporia, 1890; Fellow in Political Science, Wisconsin, 1902-03;
Ph.D., Wisconsin, 1905; Faculty Oklahoma, 1905-08; Oregon from 1908;
Associate Editor National Municipal Review; Member, Board of Edi-
tors, American Political Science Review.
- ERNEST SUTHERLAND BATES, Ph.D. *Professor of Rhetoric*
and American Literature
A.B., Michigan, 1902; A.M., 1903; University Fellow, Columbia,
1905-06; Ph.D., 1908; Faculty, Oberlin, 1903-06; Columbia, 1907-08;
Arizona, 1908-1915; Head of Department, Oregon, from 1915.
- ANNA LANDBURY BECK, B.A. *Professor of Public School Music*
Student, Simpson College, Colorado Normal, California; B.A., Oregon,
1919; Present Position from 1918.
- THOMAS J. BOLITHO, A.B. *Professor of Accounting*
A.B., Washington State, 1917; Faculty, Washington State; present po-
sition from 1919.
- JOHN FREEMAN BOVARD, Ph.D. *Dean of the School of Physical Education*
and Professor of Physiology
B.S., California, 1903; M.A., 1906; Graduate student Harvard, 1914-
15; Ph.D., California, 1917; Faculty, Oregon from 1903; Dean of
School of Physical Education from 1920; Vice-President, President,
Western Society of Naturalists, 1917-18; Vice-President, Pacific
Division American Physical Educational Association, 1920.
- WILLIAM PINGRY BOYNTON, Ph.D. *Professor of Physics*
A.B., Dartmouth, 1890; M.A., 1893; Scholar and Fellow in Physics,
Clark, 1894-97; Ph.D., 1897; Faculty, Southern California, 1890-93; Cali-
fornia, 1897-1901; California College, 1901-03; Oregon, from 1903; Head
of Department from 1906.
- JULIA BURGESS, M.A. *Professor of American Literature*
B.A., Wellesley, 1894; M.A., Radcliffe, 1901; Faculty, Oregon from 1902.

- ALBERT EDWARD CASWELL, Ph.D. *Professor of Physics*
A.B., Stanford, 1908; Ph.D., 1911; National Research Fellow, Princeton, 1919-20; Faculty, Purdue, 1911-13; Oregon from 1913, present position from 1917.
- 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., 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; President Pacific Coast branch, American Historical Association.
- TIMOTHY 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, 1893-97; Idaho, 1899-1900; Vanderbilt, 1900-04; Oregon from 1906; Head of Department from 1907.
- EDMUND S. CONKLIN, Ph.D. *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.
- PETER CAMPBELL CROCKATT, M.A. *Professor of Economics*
B.A., Oregon, 1915; M.A., 1917; Graduate student, California; Faculty, Spokane, 1916-17; Present position from 1917.
- 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 from 1915.
- EDWARD HARRIS DECKER, LL.B. *Professor of Law*
A.B., Michigan, 1897; LL.B., 1904. Practising 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, 1897-99, 1901-02; Head of Department from 1902.
- HARL R. DOUGLASS, M.A. *Professor of Education*
B.S., Missouri, 1913; A.M., 1918; Supervisor, University of Missouri High School, 1913-14; Superintendent of Schools, Missouri and Oregon, 1914-19; present position from 1919.
- FREDERICK STANLEY DUNN, M.A. *Professor of Latin*
A.B., Oregon, 1892; M.A., 1899; A.B., Harvard, 1894; M.A., 1903; Faculty, Willamette, 1895-98; Head of Department from 1898; Leave of absence in Italy 1918-19.
- BERTHA S. STUART DYMENT, M.D. *University Physician*
A.B., Michigan, 1903; M.D., 1908; Faculty, Michigan, 1901-09; Oregon, 1909-15; Reed College, 1915-20; Present Position, 1920.
- 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 1900-13; Faculty, Oregon, 1913-17; Head of Department of Journalism, Washington, 1917-18; Director of School of Journalism, 1918-19; Present Position from 1920.

- 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.
- ELIZABETH FREEMAN FOX, B.A. *Dean of Women*
B.A., Barnard, 1908; Present Position from 1916.
- 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.
- CHESTER ARTHUR GREGORY, Ph.D. *Professor of Education*
B.A., Indiana, 1908; M.A., 1915; Fellow, Iowa, Ph.D., 1920; Faculty, Parsons, 1912-14; Professor of School Administration and Director of Bureau of Educational Research from 1916.
- WILLIAM GREEN HALE, LL.B. *Dean of the Law School and Professor of Law*
B.S., Pacific University; LL.B., Harvard; Faculty, Illinois; 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; William Bayard Cutting Traveling Fellowship Columbia, 1914-16; Ph.D., 1916; Faculty, British Columbia, 1916-20; present position, 1920; Honorary Life member, Canadian Institute Mining Engineers.
- HERBERT CROMBIE HOWE, A.B. *Professor of English Literature*
B.L., A.B., Cornell, 1893; Graduate Scholar in Philosophy, Cornell, 1893-95; Head of Department, Oregon, from 1906.
- 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 College; Baker University; Oregon, from 1914; Present Position from 1917.
- ELLIS FULLER LAWRENCE, M.S. *Dean of the School of Architecture and Professor of Architecture*
B.S., M.S., Massachusetts Institute of Technology; Fellow, American Institute of Architecture; Present Position from 1914.
- ALFRED L. LOMAX *Professor of Foreign Trade*
Washington; Formerly with George Wills & Sons, Ltd. (Export Merchants); United States Shipping Board; McCargar Bates and Lively; Present Position from 1919.
- 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, Hannover; Prima donna, Breslau, Germany. Created role of Octavian in Strauss' "Rosenkavalier." Decorated with Order of the Silver Laurel (Germany).

- R. JUSTIN MILLER, J.D. *Professor of Law*
A.B., Stanford, 1911; LL.B., Montana, 1913; J.D., Stanford, 1914.
Faculty Montana 1912-13; Stanford 1913-14. District attorney King's
county, California, 1915-18. Practising attorney 1919. Attorney and
executive officer California Commission Immigration and Housing,
1920-21. Faculty California, 1920-21.
- WILLIAM EDMUND MILNE, Ph.D. *Professor of Mathematics*
A.B., Whitman, 1912; A.M., Harvard, 1913; Ph.D., 1915; Faculty,
Bowdoin, 1915-18; Present Position from 1919.
- 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; present position from 1919; act-
ing head department, 1920-21.
- PHILIP ARCHIBALD PARSONS, Ph.D. *Professor of Applied Sociology*
A.B., Christian University, Missouri, 1904; M.A., 1905; student Union
Theological Seminary, 1904-06; graduate student, Columbia and Re-
search fellow, School of Philanthropy, 1908-09; Ph.D., 1909; Faculty,
Syracuse, 1909-20; Director of University Settlement, Syracuse;
Lecturer, Department Immigrant Education, State of New York, 1912-
18; Director of Portland Center School of Social Work from 1920.
- MARY HALLOWELL PERKINS, M. A. *Professor of English*
B.A., Bates, 1898; M.A., Radcliffe College, 1908; Graduate student,
Columbia, 1916-17; Faculty, Oregon from 1908; Present position
from 1917.
- GEORGE REBEC, Ph.D. *Dean of the Graduate School*
and Professor of Philosophy
A.B., Michigan, 1891; Student at Strassburg, 1898-94; Ph.D., Mich-
igan, 1897; Student in Florence, Italy, 1908-09; Faculty Michigan,
1894-1909; Oregon, 1912-18; Director Portland Extension Center, 1918-
1920; Professor of Education, Reed College, 1920-21; Head of Depart-
ment of Philosophy and Dean of Graduate School, 1920.
- FERGUS REDDIE *Professor of Drama and the Speech Arts*
B.A., Valparaiso, (Hon.); Pennsylvania Museum School of Industrial
Art; Emerson College of Oratory. Director of plays for 20th Century
Club, Boston; Practical experience with Frohmans and others; Head
of Department from 1911.
- 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., Columbia, 1915; Faculty, Mt. Holyoke, 1914-15; Ore-
gon, 1915-17; Minnesota, 1917-19; Oregon from 1919; Present posi-
tion from 1920.
- LOUIS C. ROSENBERG *Professor of Architectural Design*
Fellowship in Architecture, Massachusetts Institute of Technology,
1914; Faculty, Oregon, from 1915.
- FRANK R. RUTTER, Ph.D. *Professor of Foreign Trade*
A.B., Johns Hopkins, 1894; Ph.D., 1897; U. S. Department of Agricul-
ture, 1899-1910; U. S. Department of Commerce, 1910-21; Lecturer
on Commerce, Iowa, 1904; George Washington University, 1913-17;
Georgetown University, 1920-21; present position from 1921.
- FRIEDRICH GEORG GOTTLÖB SCHMIDT, Ph.D. *Professor German Language*
and Literature
Student at 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, from 1887; Head of Department of German from 1905.

- ALFRED H. SCHROFF*Professor of Fine Arts*
 Art Student, Boston Academy; Studied in Paris and London; Instructor, Copley Society, Boston Architectural Club; Director, L. M. D. Sweat Memorial Museum and School; Medal World's Columbian Exposition, 1893, British Exposition, Jamaica, 1895; Represented in eastern collections and exhibitions; Faculty, Oregon, from 1916.
- HARRY ALEXANDER SCOTT, M.A.*Professor of Physical Education*
 B.S., Columbia, 1920; M.A., 1921. Director of Recreational Centers, New York City, 1919-20. Faculty Columbia, 1920-21. Present position from 1921.
- HENRY DAVIDSON SHELDON, 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, 1900-1911; 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 Oregon, from 1907; Acting head of Department from 1918.
- 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.
- ORIN FLETCHER STAFFORD, M.A.*Professor of Chemistry*
 A.B., Kansas, A.M.; 1900; Faculty Oregon, from 1900; Head of Department from 1902.
- FRED L. STETSON, M.A.*Professor of Education*
 B.A., Washington, 1911; M.A. 1918; Research Scholar, Teachers College, Columbia, 1919-20; Faculty Washington, 1912-13; Oregon, from 1918; present position from 1916.
- JOHN STRAUB, Lit.D.*Dean of Men and*
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.
- 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, 1897-02; Oregon from 1902; Head of Department of Botany from 1909.
- JANE SCOTSFORD THACHER, B.A.*Professor of Pianoforte*
 Student in Vienna; Pupil of Karl Pflieger; Teodor Leschetizky. Concert Pianiste; Present Position from 1916.
- W. F. G. THACHER, M.A.*Professor of Rhetoric*
 A.B., Princeton, 1900; M.A., 1906; Graduate Student, Chicago, 1906; Associate Editor of Pacific Monthly, 1902-04; Faculty, Oregon, from 1913.
- HARRIET W. THOMSON, B.A.*Professor of Physical Education*
 A.B., Michigan, 1904; Graduate Student, 1904-05; Faculty, Oregon, from 1911.
- 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; present position from 1913.

- 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*
B.S., California, 1895; M.S., 1898; Fellow in Geology, Columbia, 1900-01; Ph.D., 1903; Faculty, California, 1898-1912; Reed College, 1912-20; Head of Department, Oregon, from 1920.
- 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.
- REX UNDERWOOD*Professor of Violin, Director University Orchestra*
Student, Leipzig Conservatory; Royal Bavarian School of Music; Pupil of Joseph Olheizer, Chicago; Michael Press, Berlin; Ostrovsky, London; Present Position from 1919.
- SAM BASS WARNER, LL.B.*Professor of Law*
A.B., Harvard, 1912; LL.B., 1915; Present Position from 1919.
- MARY ELIZABETH WATSON, M.A.*Professor of English Literature*
B.A., Oregon, 1909; M.A., 1911; Graduate student, Columbia, 1918-19; Faculty, Oregon, from 1911; present position from 1919.
- RAYMOND HOLDER WHEELER, Ph.D.*Professor of Psychology*
and Director of the Laboratory
B.A., Clark, 1912; Scholar and Fellow in Experimental Psychology, Clark, 1912-15; M.A., 1918; Ph.D., 1915; Faculty, Oregon from 1915; present position from 1919.
- FREDERIC GEORGE YOUNG, LL.D.*Dean of the School of Sociology*
and Professor of Sociology
B.A., Johns Hopkins, 1886; Graduate scholar, 1886-7; LL.D., Oregon, 1920; President Albany College, 1894-95; Faculty, Oregon, from 1895; Dean of the Graduate School, 1901-1920; 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.
- 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; Y.W.C.A., Omaha (Neb.); Bryn Mawr School; Public Athletic League, Baltimore, Md.; Faculty Central School of Physical Education New York City. Present position from 1921.
- GEORGE MOHN BOHLER*Associate Professor of Physical Education*
Washington State College; Present Position from 1920.
- HARVEY M. KING, B.S.*Associate Professor of Architecture*
B.S. in Architecture, Minnesota; Present Position from 1920.
- VERNE R. McDOUGLE, M.A.*Associate Professor of Accounting*
Ph.B., Wisconsin, 1916; A.B., 1916; Graduate student Illinois, 1919-20; M.A., Oregon, 1920; Faculty, Illinois, 1919-20; Present position from 1920.
- JAMES A. MILLER, J.D.*Associate Professor of Law*
A.B., Beloit, 1913; J.D., Chicago, 1920. Practising attorney 1920-21. Present position from 1921.

- CLARENCE DEWITT THORPE, M.A. *Associate Professor of Rhetoric and Public Speaking*
A.B., Ellsworth College, 1911; A.M., Arizona, 1912; Michigan, 1915; Faculty, Arizona, 1919-21; Present position, 1921.
- ROGER JOHN WILLIAMS, Ph.D. *Associate Professor of Chemistry*
B.S., Redlands, 1914; M.S., Chicago, 1918; Ph.D., 1919; present position from 1920.
- READ BAIN, M.A. *Assistant Professor of Sociology*
A.B., Willamette, 1914; M.A., Oregon, 1921; present position, 1921.
- 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. Present position from 1921.
- 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; present position from 1920.
- WILKIE NELSON COLLINS, A.B. *Assistant Professor of Rhetoric and American Literature*
B.A., Pennsylvania, 1905; Graduate Student Pennsylvania, 1905-6; Michigan, 1914; Faculty, Pennsylvania, 1907-11; Idaho, 1914-17; present position from 1921.
- 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.
- 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, 1918-16; Faculty, Minnesota, 1916-17; Arkansas, 1917-18; Pittsburg, 1918-20; Oregon, from 1920.
- GRACE EDGINGTON, B.A. *Assistant Professor of Rhetoric*
B.A., Oregon, 1916; Faculty, Washington, 1917-20; Present Position from 1920.
- AVARD FAIRBANKS *Assistant Professor of Fine Arts*
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, M.A. *Assistant Professor of English*
B.D., Pacific Unitarian School, 1917; A.B., Oregon, 1920; M.A., 1921; Present Position from 1920.
- FRANKLIN FOLTS, B.A. *Assistant Professor of Business Administration*
B.A., Oregon, 1920; Graduate Student, 1920-21; Faculty, Oregon, from 1920.
- ELDON GRIFFIN, B.A. *Assistant Professor of History*
B.A., Harvard, 1916; Seabury Fellow in World Politics, Stanford, 1919-20; Foreign Lecturer, English Department, Imperial Government Service, Japan, 1918-19; Present position from 1920.

- ROBERT C. HALL.....*Assistant Professor of Journalism and Superintendent University Press Faculty, Oregon, from 1918.*
- CARLTON M. HOGAN, A.M.*Assistant Professor of Business Administration A.B., Illinois, 1918; Graduate Scholar, Harvard, 1918-19; A.M., Illinois, 1920; Faculty, Illinois, 1919-20; Present position from 1920.*
- GEORGE PAINTER HOPKINS, B.A.*Assistant Professor of Pianoforte B.A., Oregon, 1921; Pupil of Harold Randolph, Baltimore; Moritz Moszkowski, Paris; Student, Peabody Conservatory, Baltimore; Present Position from 1918.*
- PHILIP W. JANNEY, B.A.....*Assistant Professor of Business Administration B.A., Oregon, 1920. Present position from 1921.*
- MAUDE I. KERNS, B.S.....*Assistant Professor of Normal Arts B.A., Oregon, 1899; B.S., Columbia, 1906; Diploma of Fine Arts, Columbia, 1906. Associate of Ralph H. Johannot, 1912- 18; Modern Academy, Paris, 1913; pupil of E. A. Taylor and Jessie King Taylor, (Paris) 1913; William Chase, 1914; Arthur Dow, 1914. In charge of Normal Art from 1921.*
- 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.*
- DONALD E. LANCEFIELD, Ph.D.*Assistant Professor of Zoology A.B., Reed College, 1915; M.A., Columbia, 1917; Ph.D., 1921; Faculty, Columbia, 1919-21; Research Assistant Carnegie Institute, 1919; present position from 1921.*
- CAPTAIN FRANCIS E. LEWIS.....*Assistant Professor of Military Science Fargo College, North Dakota; Commissioned U. S. A., 1917; instructor in German for officers in Coblenz, Germany, 1919-21. Present position from 1921.*
- MADELINE McMANUS, Ph.B.....*Assistant Professor of Business Administration; Secretary of School of Business Administration Ph.B., Chicago, 1918; Present Position from 1920.*
- ROLAND McLEOD MILLER, M.A.....*Assistant Professor of Economics A.B., British Columbia, 1916; A.M., 1920. Teaching fellow in Economics, California, 1921. Present position from 1921.*
- RUTH HELEN MONTGOMERY, M.A.*Assistant Professor of Education B.A., Oregon, 1919; M.A., 1921; Faculty, Oregon, from 1921.*
- JAMES HUGH PRUETT, A.B.*Assistant Professor of Physics A.B., McMinnville, 1911; Graduate Student, Chicago, 1915-16; Science and Research Section Meteorological Division U. S. Signal Corps, 1918-1919; present position from 1920.*
- MAJOR ARTHUR EUGENE ROWLAND*Assistant Professor of Military Science and Tactics A.B., Western Maryland College, 1909; Commissioned in U. S. Army from 1912; Faculty, Cornell, 1911-12; Oregon, 1921.*
- JOHN B. SIEFERT.....*Assistant Professor of Voice Pupil of Ellsworth Giles, Pittsburgh, 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.*
- H. G. TANNER, M.A.*Assistant Professor of Chemistry B.S., Ottawa University (Kan.), 1915; A.M., Nebraska, 1916; Research Chemist, U. S. Government; present position, 1921.*

- ANNA THOMPSON, M.A. *Assistant Professor of Romance Languages*
B.A., Western Maryland College, 1908; M.A., Columbia, 1910; Institut Francais, University of Toulouse, Certificate, 1919; Centro de Estudios Historicos, Madrid, Certificate, 1919; Examiner under Spanish Government for Graduate Students Holding Fellowships for Study in United States and England, 1916-19; Present Position from 1920.
- JOHN R. WHITTAKER, B.S. *Assistant Professor of Business Administration*
B.S., Pennsylvania, 1920; Present Position from 1920.
- CATHARINE WINSLOW, Ph.B. *Assistant Professor of Physical Education*
Ph.B., Chicago, 1911; Graduate, Chicago Normal School of Physical Education, 1914; Present Position from 1917.
- 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; Present position from 1920.
- KIMBALL YOUNG, Ph.D. *Assistant Professor of Psychology*
A.B., Brigham Young, 1915; A.M., Chicago, 1918; University Research Fellow, Stanford, 1918-19; Ph.D., 1921; present position from 1920.
-
- VICTORIA AVAKIAN *Instructor in Art*
California (Southern Branch); Faculty, Tempe Normal School, Arizona; Present Position from 1920.
- CHARLOTTE BANFIELD, B.A. *Instructor in Drama and the Speech Arts*
Gillespie School of Expression Diploma; B.A., Oregon, 1919; Present Position from 1918.
- CECELIA BELL, A.B. *Instructor in English Literature*
A.B., Oregon, 1911; Present Position from 1915.
- LUCILE COPENHAVER, B.A. *Instructor in Mathematics*
A.B., Oregon, 1920; Graduate Student, 1920-21; Present Position from 1921.
- ROSALIA CUEVAS, M.A. *Instructor in Romance Languages*
Colegio de la Ensenanza, Bogota; Student, Milan, Italy; B.A., Adelphi College, 1909; University of Madrid, Spain, 1912; M.A., Columbia, 1913; Faculty, Adelphi, 1917-18; Head of Department Modern Languages, Brenau College and Conservatory, 1919-20; Present Position from 1920.
- CARMEN GERTRUDE ESPINOSA *Instructor in Spanish*
Student New Mexico, 1916-17; Wisconsin, 1918-21. Translator, War Department, 1918. Faculty Wisconsin, 1918-21.
- HENRIETTE GOUY, B.A. *Instructor in Romance Languages*
Brevet Supérieur, University of Marseille, France, 1915; Graduate Student, Marseille, 1915-19; 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; Present Position from 1918.
- CELIA V. HAGER, M.A. *Instructor in Psychology*
B.A., Oregon, 1912; M.A., 1918; Present Position from 1918.
- HAZEL HAUCK, B.S. *Instructor in Household Arts*
B.S. in Home Economics, Washington, 1921; Present Position from 1920.

- BENJAMIN HORNING, B.S. *Instructor in Zoology*
B.S., O. A. C., 1914; graduate student, Oregon, 1920-21. Present position from 1921.
- REBECCA CRAIGHILL LANCEFIELD, M.A. *Instructor in Botany*
A.B., Wellesley, 1916; A.M., Columbia, 1918. Research assistant Rockefeller Institute, 1918-19; Carnegie Institute, 1919-21. Present position from 1922.
- CAMILLA LEACH *Librarian, School of Architecture*
University Librarian and Registrar, 1897-99; Faculty, Oregon, 1899-1908; Reference Librarian, 1908-12; Present Position from 1912.
- GERTRUDE MANCHESTER *Instructor in Physical Education*
Student, Wellesley, 1911-13. Faculty Wellesley, 1913-15; Rhode Island College, 1915-19; Central School of Physical Education, New York City, 1919-21.
- MATTIE PATTISON, B.S. *Instructor in Household Arts*
B.S. in Home Economics, State College of Washington, 1919; pupil dietitian Allegheny General Hospital, Illinois, 1919. Dietitian Passavant Memorial Hospital, Illinois, 1919-20; Sherman Hospital, Texas, 1920-21.
- ETHEL IDA 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, 1913; Stanford, 1917-18; Curator of Museum, Oregon, 1914-17; Present position from 1918.
- MELVIN SOLVE, B.A. *Instructor in Rhetoric*
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; Present Position from 1918.
- IDA V. TURNER, M.A. *Instructor in Rhetoric*
B.A., University of Oregon, 1912; M.A., 1913; Graduate Student Michigan, 1913; present position from 1914.
- EMMA WATERMAN, B.A. *Instructor in Physical Education*
B.A., Minnesota, 1918; Graduate Student Wellesley, 1918-19; Present Position from 1919.
- JAMES LAURENCE WHITMAN, M.S. *Instructor in Chemistry*
B.A., Oregon, 1914; M.S., 1915; Faculty, Spokane; Present Position from 1921.
- FLORENCE WHYTE, A.B. *Instructor in Romance Languages*
A.B., California, 1915; Graduate, Colegio de la Purisima, Saitillo, Mexico; Faculty, McMinnville College, 1918-1920; Present Position from 1920.

GRADUATE ASSISTANTS

Arthur Bramley, <i>Physics</i>	Eugene
Work completed for B.A.	
Norman T. Byrne, <i>Philosophy</i>	Eugene
B.A., Oregon, 1921.	
Marguerite Rohse Clarke, <i>German</i>	Eugene
B.A., Oregon, 1918.	
Thomas D. Cutsforth, <i>Psychology</i>	Riddle
B.A., Oregon, 1918.	
Helen Louise du Buy, <i>Romance Languages</i>	Eugene
B.A., Oregon, 1921.	
Marjorie Gilbert, <i>Education</i>	Salem
B.A., Oregon, 1920.	
Laura Hammer, <i>Mathematics</i>	Salem
B.A., Pacific, 1911; Oregon, 1914.	
Mildred Hawes, <i>English Literature</i>	Portland
B.A., Oregon, 1921.	
Ralph Carl Hoerber, <i>Economics</i>	Portland
B.A., Oregon, 1921.	
Claire Parker Holdredge, <i>Geology</i>	Trent
B.S., Oregon, 1921.	
Wilbur S. Hulin, <i>Psychology</i>	Eugene
B.A., Oregon, 1921.	
Horace M. Lane, <i>Education</i>	Helena, Mont.
B.A., Montana Wesleyan, 1921.	
Harold Newton Lee, <i>Rhetoric</i>	Newberg
Work completed for B.A.	
Howard J. Lehman, <i>Education</i>	North Lima, Ohio
A.B., Albany, 1921.	
Mathilda Mathisen, <i>Latin</i>	Oshkosh, Wis.
A.B., Ripon College, 1918.	
Laura Moates, <i>Rhetoric</i>	Ridgefield
B.A., Oregon, 1921.	
F. Dean Moore, <i>Rhetoric</i>	Eugene
B.A., Oregon, 1921.	
Isabel M. Nauerth, <i>Botany</i>	Lakefield, Minn.
B.A., Iowa, 1921.	
Frank J. Palmer, <i>English Literature</i>	Philomath
B.A., Oregon, 1921.	
William Ralph Skidmore, <i>Chemistry</i>	Curtin
B.A., Oregon, 1920.	
Alice B. Thurston, <i>Mathematics</i>	Roseburg
B.A., Oregon, 1921.	
Roger Williams Truesdail, <i>Chemistry</i>	Redlands, Calif.
B.S., Redlands, 1921.	
Sophus K. Winther, <i>Rhetoric</i>	Eugene
B.A., Oregon, 1918; M.A., 1921.	
W. Howard Wise, <i>Mechanics and Astronomy</i>	Hardin, Mont.
B.S., Montana State College, 1921.	

COMMITTEES OF THE FACULTY

- ADVISORY COUNCIL—(elective)—President Campbell, Deans Sheldon, Hale, Robbins, Professors Gilbert, Packard and Howe.
- ADMINISTRATION OF HONORS—Howe, Conklin and Rebec.
- ADMISSIONS—Boynton, Stetson, Barnett, Robbins and Spencer.
- ALBERT PRIZE—Landsbury, Bovard and Fox.
- APPOINTMENTS—Gregory, Bates, DeCou, Cloran, R. C. Clark, Bovard and Tingle. Miss Burnett, secretary.
- ATHLETICS—Howe, Hayward and Bovard.
- BENNETT PRIZE—R. Justin Miller, Turnbull and Thorpe.
- CATALOGUE—Boynton, Hall and Mrs. Fitch.
- CLASS ADVISERS—Seniors, Lomax and Perkins; Juniors, Thacher and Watson; Sophomores, Dymont and McManus; Freshman, Straub and Fox.
- COLLOQUIUM—Milne, Wheeler and Onthank.
- COMMENCEMENT AND ASSEMBLY—President Campbell, Straub, Gilbert, Dunn, Evans and Kerns.
- FREE INTELLECTUAL ACTIVITIES—Allen, Stafford, Hodge, Watson, Torrey, Wheeler and Walter Barnes.
- FOREIGN SCHOLARSHIPS—Dymont, Barnes and Bates.
- GERLINGER CUP—Deans Fox and Straub, Mrs. A. C. Dixon, Mrs. W. F. Jewett, Mrs. F. M. Wilkins, Mrs. P. L. Campbell, the President of the Associated Students and the President of the Woman's League.
- GRADUATE COUNCIL—Rebec, Young, Sheldon, Schmidt, Boynton, Packard, Conklin, Bates and Torrey. Mr. Spencer, secretary.
- GRADUATE DEFICIENCIES—R. C. Clark, Cloran, Bovard, Dymont and Spencer.
- HEALTH ADVISORY—Bovard, Sweetser, Thomson, Dr. Livingstone and Dr. Stuart. Advisory members, Fox and Straub.
- INTRA-MURAL SPORTS—DeCou, Scott, Alden, Decker, Lancefield, Yocom and Spencer.
- KOYL CUP—Straub, Bolitho, Hale, Huntington and Crockatt.
- LIBRARY—M. H. Douglass, Packard, Sheldon, DeCou, Dunn and Dymont.
- MEDICAL SCHOOL SCHOLARSHIP—Torrey, Shinn and Caswell.
- MILITARY CREDITS—Howe, Allen and Boynton.
- MILITARY TRAINING—Baird, Sheldon, Robbins, Straub, and Dunn.
- PRE-ENGINEERING—Caswell, McAlister, DeCou, Shinn, and Hodge.
- PUBLICATIONS—Allen, Young, Sheldon, Powers, Sweetser, Packard, and M. H. Douglass.
- RELIGIOUS AND MORAL ACTIVITIES—M. H. Douglass, DeCou, Sweetser, Perkins, Evans, Crockatt, and Fox.
- RESEARCH—Packard, Torrey, Milne, McAlister, Sheldon, and Barnett.
- REVISION OF STUDENT COURSES—Gilbert, Milne, and Gregory.
- SCHEDULE—Boynton, Spencer, and Onthank. Mrs. Fitch, Secretary.
- SCHOLARSHIP—Dymont, Sheldon, Watson, Shinn, and Robbins. Mr. Spencer, Secretary.
- SPECIAL STUDENTS—DeCou, Adams, H. A. Clark, Watson, and Folts.
- STUDENT ADVISORY—Straub, Fox, Dymont, and Robbins. Mr. Onthank, Secretary.
- STUDENT AFFAIRS—Fox, Straub, Thomson, DeBusk, and Torrey.
- STUDENT LIVING—Bovard, Justin Miller, McDougale, Mrs. Fitch, Miss Robertson. Advisory Members, Fox and Straub.

UNIVERSITY OF OREGON

INTRODUCTION

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 instructions were limited practically to literary lines. The University grew rapidly, and the demand for a broader curriculum was met by the addition of engineering, scientific and technical courses. The Law School, 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 Medical School 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.

The University now has, through the generosity of the voters of the State, a considerable income on a millage basis. Funds from this and other sources have provided a number of new buildings within the past two or three years. The University expects to continue a modest building program to provide for its growing needs.

The government of the University is vested in the Board of Regents the members of which are appointed by the governor for a term of twelve years. The governor, the secretary of state, and the state superintendent of schools are *ex officio* members.

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

LOCATION

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 rainfall is about 38½ inches; the main precipitation coming in the winter months, November, December and January averaging between 5 and 6 inches each, the two following months a little less, while the summers are practically free from rain, the months of July and August averaging considerably less than ½ inch of rain each, and June and September not far from 1½ inches. The average number of days in a year during which more or less rain falls is 148, about the same number being clear, while the remaining 60 to 70 days are classified by the Weather Bureau as "partly cloudy." The mean annual temperature is about 52, the mean for January being 40.1 and for July and August 65.7 and 65.3 respectively. The mean minimum temperature for January, usually the coldest month, is 34.1, and the lowest temperature officially recorded in recent years is —3. The mean maximum temperatures for July and August are 79.5 and 73.3, the highest temperature officially recorded being 99.

UNIVERSITY 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 to the degree of bachelor of science in 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.

The degrees given by the University are thus the Ph.D., M.D., J.D., M.A., M.S., M.B.A., LL.B., B.A., B.S., B.S. in Arch., B.S. in Educ., B.B.A., B.M. In addition, the University grants at times for notable contribution to the state in research, the degree of master of arts in public service and (very rarely) the degree

BUILDINGS AND GROUNDS

The University grounds are situated about one mile southeast of the center of the city. 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 recently erected School of Business Administration.

The south campus is mainly occupied by the newer buildings, the Administration Building, 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 an imposing 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. The mechanical drawing room and English laboratory are also in this building.

ARCHITECTURE HALL, erected in 1914, is a duplicate of Sociology Hall in general appearance, and is devoted to the use of the School of Architecture. A fine arts studio occupies a wing of the building.

HOUSEHOLD ARTS BUILDING 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.

THE ART BUILDING, originally occupied as the University gymnasium until superseded by more spacious structures, has been remodeled to provide an atelier for the work in sculpture, and studios and work rooms for the department of Normal Arts.

THE ANNEX BUILDINGS are a small group of temporary wooden structures near McClure Hall and the Art Building. They provide offices and class rooms for the School of Journalism, as well as the headquarters of the University Health Service and the offices of the dean of the School of Physical Education. The offices of the University physicians and the dispensary are also located here, while the infirmary is immediately across the street.

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 Mount Ranier July 27, 1897. It provides quarters for the departments of Chemistry and Psychology. It has three floors, with laboratory facilities for 200 students at a time in Chemistry and 50 students in Psychology. The Psychology laboratories occupy the north half of the second floor, while the

psychological lecture room is located in the south half. The University printing plant is located in the basement.

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 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.

JOHNSON HALL, erected in 1915, and named after the first president of the University, is a two-story and basement building of fireproof construction. The administration offices of the University occupy the entire second floor. The main floor contains the Condon Geological Collection and Guild 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. The departments of Mathematics and Geology occupy 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 hall for the 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 furnishes headquarters for all women's organizations and activities. Space for large University gatherings—both social and academic—is secured by throwing several rooms into one. Adjacent to the main floor are a large covered open-air exercising floor and a playing field for women. This building ranks with the finest in the country, its design and furnishings being representative of the best ideals of the day.

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.

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.	<i>Librarian</i>
BEATRICE J. BARKER, Ph.B.	<i>Head Cataloguer</i>
MARY HUMPHREYS, B.L.S.	<i>Reference Librarian</i>
MABEL EATON McCLAIN, B.A., B.S.	<i>Circulation Librarian</i>
MARTHA E. SPAFFORD, B.A.	<i>Continuation Cataloguer</i>
MRS. DORA F. FORD.	<i>Reserve Book Librarian</i>
RUDOLPH H. GJELSNES, B.A., B.L.S.	<i>Order Librarian</i>
CAMILLA LEACH	<i>Art Librarian</i>
MRS. ELLEN M. PENNELL	<i>Assistant</i>
GLADYS PLATT, B.A.	<i>Cataloguer</i>
R. BLANCHE HUGHES	<i>Accessions Clerk</i>
MARY E. MOORE, B.A.	<i>Circulation Assistant</i>
MARIAN P. WATTS, B.A.	<i>Reference Assistant</i>

The University library is a well-selected and rapidly growing collection of books numbering about 110,000 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 peri-

odicals 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.

THE UNIVERSITY MUSEUMS

The University has no special museum building. It has, however, three departmental museums of considerable value.

THE CONDON GEOLOGICAL MUSEUM

This includes the only display museum of the University, 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 early man, and a representative conchological collection.

BOTANICAL MUSEUM

The botanical museum consists of the following: (1) The Howell collection, consisting of 10,000 specimens, collected for the most part in Oregon, many of which are type specimens; (2) the Leiberg collection, presented to the University by Mr. John B. Leiberg in 1908, consisting of 15,000 sheets of specimens, collected principally from Oregon, Washington and Idaho, but including also some from other states. The specimens are for the most part duplicates of others deposited in the National Herbarium at Washington by Mr. Leiberg for the government while he was in its employ, and are extremely valuable; (3) the Cusick collection, consisting of 7,000 specimens of Oregon and other flora; (4) the Edmund P. Sheldon collection, and that of Kirk Whitead, both

recently acquired by donation. These collections are being constantly added to by gifts and exchange.

ZOOLOGICAL MUSEUM

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 series 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

BOTANY

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

The collections of Mr. Howell, Mr. Leiberg, Mr. Cusick, Mr. Kirk Whitead and Mr. Sheldon are available for students of systematic botany. Facilities are provided for the study and preservation of local material and for cataloging of plants sent from various parts of the state, and the department will be glad to name any specimen that may be sent to the herbarium for determination.

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

CHEMISTRY

The chemical laboratories are located in McClure Hall. The first floor and portions of the basement and second floor are devoted to chemistry. The chemical laboratories will accommodate somewhat over 200 students.

The department of chemistry has separate laboratories for general chemistry, analytical chemistry, and organic chemistry. It also has smaller rooms devoted to special problems 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 students in the department have free access.

GEOLOGY

The Geological Laboratories provide facilities for three general lines of work. For work in mineralogy and petrology there are good working collections and apparatus for preparing and studying thin sections of rock under petrographical microscopes. For work in paleontology, the Condon collection provides valuable material especially from the more important fossiliferous regions of the state. The department also has the necessary equipment for work in economic geology, including transits, plane tables, hypsometers, compasses, levels, etc., for instruction in every phase of topographical and geological mapping.

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 full-sized modern linotype ma-

chines, folding machines, stitchers, saws, trimmers, a power cutter, casters, 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.

PHYSICS

The rooms occupied by the department of physics 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.

PSYCHOLOGY

The department of Psychology has quarters especially adapted to its use in McClure Hall, including 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, compressed air 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.

ZOOLOGY

The department of Zoology has its offices and general laboratories, as well as special laboratories for anatomy and physiology, on the second floor of Deady Hall. It also has a considerable number of rooms devoted to advanced work and research in zoological and physiological problems. Researches in progress are those dealing with the factors governing the growth and differentiation of tissue elements, as well as in genetics for which facilities and hereditary material are available to the student.

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.

Across the hall from the drafting quarters is the exhibition room. A department of exhibits operates in connection with the school and special exhibits are brought to the University and the Extension Division in Portland.

The mechanical drawing room is located in the Sociology building at the rear of Architecture Hall.

FINE ARTS

The art studio, located on the main floor of the Architecture 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 Ragenet's ten volumes of *Materiaux et Documents* are reserved here for use by the departments.

SCULPTURE

In the Art Building is located the sculpture atelier, with added sketching and exhibition mezzanines. These are easily acces-

sible and are approached from the main floor. Provision has been made for a skylight in the roof, which, added to the high windows in the walls, will make the lighting effect very satisfactory. These new quarters are well provided with materials and equipment of such a nature as to make them modern and practical as an atelier. A continuous exhibit of both student and professional work arranged about this ample space and the private modeling room adjoining make both features attractive. A dark room allows for the developing and handling of photographic plates.

On the ground floor is the casting room, properly fitted. Here is done the casting of architectural ornament and sculpture subjects modeled in the room above.

NORMAL ARTS

This department, also in the Art Building, has four rooms devoted to laboratory work, two on the main floor and two on the ground floor. Of those on the main floor, one is used for home decoration, scenic and costume design and interior decoration, and one for weaving and basketry, and of those on the ground floor, one is used for dyeing and printing and one for pottery. These are supplied, respectively, with drafting tables and filing cabinets, hand and foot power looms and work tables; gas plates and vats for the dye, and lockers and metal covered work benches.

There is continuously on exhibit various types of student work including examples of printed and woven fabrics, batiks, weaving of both the finer and coarser types, block printing, tiles and decorative pottery panels, both hand built and cast.

Separate space has been allowed for a kiln on the ground floor of this building, to be used by any of the departments having classes in which objects are made that require burning. This includes courses in pottery, sculpture, stained glass 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

ADMISSION

Applications for admission must be filed with the Registrar at least two weeks before the opening day. This applies to all new students, whether entering as freshmen or as advanced students.

Applicants whose credentials from accredited High Schools are acceptable will be issued cards of admission. These cards must be preserved carefully and presented to the major professor on registration day.

Credentials filed become the permanent property of the University and will not be returned to the students.

ENTRANCE REQUIREMENTS

ADMISSION TO THE FRESHMAN CLASS

To be admitted to the freshman class a student must have graduated from a standard preparatory school, requiring not less than fifteen units of work as outlined below. The term "unit" means the equivalent of five recitations per week of not less than forty minutes each, in one branch of study, for a school year of not less than thirty-six weeks.

No one (with the exception of occasional bona fide special students more than twenty years of age and not proceeding to a degree) will be admitted who does not have the full fifteen units.

Certificates of required entrance units from accredited high schools, or academies, or preparatory departments of colleges in the State of Oregon, will be accepted in lieu of entrance examinations. Certificate blanks will be supplied by the Registrar of the University on request. Certificates from a high school or other secondary school in another state may be accepted, provided such school has been examined and accredited by the state university of that state. When an applicant cannot present such a certificate he must take the regular entrance examination held at the beginning of each term.

In March, 1921, certain uniform requirements were recommended to the higher educational institutions in Oregon by the Higher Educational Standards Committee, from the College Section of the State Teachers Association, representing approximately all the colleges, universities and normal schools in the State. These recommendations were adopted by all these institutions,

including the University of Oregon, and (with a reservation in the case of the School of Business Administration) 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 remaining five 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.

In addition, the University of Oregon imposes certain requirements of its own, and a complete statement of its requirements for admission is contained in the following summary:

Requirement I—15 entrance (Carnegie) units.

Requirement II—10 units from among the following subjects:

English
 Mathematics
 Foreign Language
 Laboratory Science
 History

Requirement III—Nine of the ten units described under II should be distributed as follows:

English, a minimum of three (compulsory).
 Algebra, 1 (certain courses of study in the University require $1\frac{1}{2}$)
 Plane Geometry, 1
 Single foreign language (ancient or modern), 2
 History, 1
 Laboratory science, 1

No student will be admitted who has not met literally the requirements under I and II. Students who are slightly deficient in meeting the distribution of subjects under III may enter with deficiencies, removable in the University. Such makeup work, however, is additional to the work regularly required in the corresponding subjects for University graduation. 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: Students entering without any foreign language are required to take in the University fifteen term hours of foreign language, and those offering only one year, nine term hours in addition to the University language requirements.

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.

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

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.

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 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 Advanced Standing, 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.

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.

A student wishing to apply for credit for work done elsewhere than in an accredited educational institution must petition the Committee on Admissions and Advanced Standing, on forms provided by the Registrar, for permission to take examinations in specified subjects, listed in the catalog. The amount of credit to be allowed is determined by said committee.

ADMISSION TO SPECIAL STUDENT STANDING

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

Persons of maturity, twenty years of age or over, and teachers in public and private schools, who present satisfactory credentials and testimonials, and who submit information sufficient to convince the committee that they are qualified to carry University work satisfactorily, may be admitted as special students, and permitted to take one or more college courses for which they are fitted.

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

A special student may become a candidate for a degree only by satisfying fully the matriculation and all other requirements made of regular students. College work of suitable character may be substituted for entrance requirements at the rate of nine term hours for each entrance unit.

Applications must be filed on the official blank supplied by the University at least two weeks before the opening day of the term.

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.

PROCEDURE OF REGISTRATION

The first step in registration is the filing of credentials, which should be done as early as practicable. The usual requirement is that they should be in the Registrar's office two weeks before the regular registration day. Delay in filing credentials may involve delay in completing the registration, with the consequent penalty fees.

As soon as the applicant's credentials are accepted the card of admission will be issued to him, which card he should preserve carefully for use on Registration Day.

During the week preceding registration the Departments of Physical Education conduct the physical examinations for all entering students. Appointments for these examinations should be made early in the week with the Dean of the School of Physical Education. The work of making other arrangements for life at the University also makes it desirable for entering students to come to Eugene during this preliminary week.

Registration days for all students are the first Monday and Tuesday of the fall term and the opening day of the winter term and of the spring term.

Each entering student chooses a major department or school, the head of which department or school, (or staff member delegated by him) acts as the student's adviser. The card of admission must be shown to the adviser as his authorization to fill out the study card. In succeeding terms the student goes directly to the same adviser.

The adviser fills out for the student a "study card" conforming in its selection of studies to the requirements of the University. This card should conform to the curriculum of the school or department which the student has selected, or be a part of a sim-

ilar consistent program that shall lay the proper foundations for advanced major work. The student then secures the necessary signatures on his card.

After paying the registration fees, the student presents his study card at the Registrar's office, showing his receipt to the filing clerk. When his card has been accepted and filed in the Registrar's office, and not until then, the student is registered. Undergraduate study cards must be filed on or before the first Thursday of the fall term, and on or before the first Wednesday of the winter and spring terms.

Graduate students must file study cards on or before the second Friday of each term.

Cards filed after these dates are subject to a late filing fee with cumulative provisions.

Regular class work begins the first Wednesday of the fall term and on the first Tuesday of the winter and spring terms.

The student is allowed five school days in which to make the necessary changes and adjustments in his course of study. Forms provided by the Registrar's office are used in making these changes.

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
Economics	Medicine
Drama and the Speech Arts	Philosophy
English	Military Science
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
--------------	-----------	-------------

*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.

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

SCHOOL OF SOCIOLOGY

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).

QUANTITY OF WORK. In order to be graduated a student must have credit on the books of the University for 186 term-hours. By term-hour is meant the work covered in one recitation of not less than fifty minutes, or one laboratory period, of not less than three hours, per week for one term or equivalent. That is, a term-hour is assumed to represent three hours of the student's time each week for one term. This time may be assigned to work in classroom, laboratory, or outside preparation.

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

RESIDENCE. At least 45 term-hours must be earned in residence at the University of Oregon, except that persons holding life teachers' certificates who enter with sufficient advanced standing may fulfill the residence requirement by resident work at three summer sessions, or their equivalent in the Portland Center of the Extension Division. 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.

ETHICS. All freshman women must take the course in practical ethics as offered by the Dean of Women.

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.

RESTRICTIONS.

Not more than one year of law (45 hours) may be applied toward any bachelor's degree other than Bachelor of Laws. 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).

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 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. a. 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 or closely allied departments 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.

LANGUAGES OR SCIENCE 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.

STUDENT LIVING

HEALTH SERVICE

The University Health Service, which is under the general supervision of the Student Health Committee, is centred in the office of the School of Physical Education in the annex buildings, in the rear of McClure Hall on University street. In addition to the services of the University physician and assisting specialists, the Health Service maintains a part time physician who acts as adviser to women and who keeps office hours daily for consultation. A trained nurse devotes all her attention to this de-

partment. The students who, by medical examination, show they are in need of special treatment, even though not sick or in need of infirmary care, are advised as to the best methods to increase their physical and mental capacity. The nurse also keeps informed concerning the sanitary conditions of student living quarters, visits the sick in the homes and in general keeps in touch with the health of students outside the infirmary.

The Student Health Committee acts on the theory that their services and facilities should be a part of a great educational program. The care of the sick is of great importance and comfort, but the education in the care of the body to prevent sickness is of much greater importance.

MEDICAL EXAMINATIONS

All students entering the University are required to take a medical examination. Opportunity is given for this during the week previous to the registration day of each term and also during the first week of the term. This rule applies to the students entering during the winter and spring terms as well as the fall term.

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

Students found to have physical and organic defects will be assigned to special classes in physical education, which are adapted to their needs and which will tend to correct the defects as far as possible.

INFIRMARY SERVICE

The University employs a full time physician and maintains a dispensary and infirmary, including a ward for contagious diseases. Except for a small fee for medicine, the dispensary service is free to all persons connected with the University, and in case of actual sickness the infirmary provides free care and attention for students for a limited period. Beyond this period the charges are very moderate. The dispensary and infirmary service does not extend, however, to cases requiring the services of a specialist, or involving major operations, or chronic diseases.

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

STUDENT WELFARE

The academic and social welfare of women students is under the supervision of the Dean of Women. At the time of registration, all women report to her office in Johnson Hall, where a record of their Eugene residence and other needed information is filed. 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.

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

HALLS OF RESIDENCE

A comparatively small number of the students from outside of Eugene are able to find room and board in private families, the great majority of them living in groups of considerable size in houses of residence, either those administered by the University, or those organized and administered by the students themselves.

The University has four halls of residence, 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 dormitory, 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.

The following table of expenses is in force this year. An effort will be made to keeping the living expenses as low for the year 1922-23 as is consistent with the price of food and service.

Room rent, including laundry for beds	\$2.00
Board	6.00

Application for rooms should be addressed to the House Director, Friendly Hall, University of Oregon, Eugene.

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. Hendricks Hall and Susan Campbell Hall are comfortable and home-like, with care and taste evidenced in their appointments.

MARY SPILLER HALL is also used as a hall of residence for women.

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

The total charge at present for room and board in the halls of residence including a reservation for a furnishing fund, is \$8.00 per week. Every effort is made to keep the living expenses as low as is consistent with the price of food and service.

ROOM DEPOSIT

Students securing reservations in a hall of residence are required to make a room deposit of \$10.00. This is a general insurance on the 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.

INVITATIONAL HOUSES

Many of the students live in houses accommodating from twenty to forty persons apiece. 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.

These invitational groups have distinctive names, often Greek Letter symbols, and many of them have charters from national organizations. Some invite their members from any department of the University, while others are "professional," restricting their membership to a particular school. The possession of a national charter carries with it some added prestige, and signifies that the organization granting the charter has before granting it made a survey of the group, and attempts some supervision over its scholarship, character and finances. The invitational groups co-operate in matters of mutual interest and concern in such organizations as the "Pan-hellenic" and "Inter-fraternity Council."

The value of these organizations to the individual student-member depends almost entirely on the men or women who constitute the group. The aim both of the organizations which are seeking new members to fill up their houses, and of the students who are desirous of invitation to join them, is to bring together a group of people who are congenial, who have largely similar interests and ideals, and will be able to co-operate for each other's welfare and that of the house, and who will deserve the esteem of their fellow students to such an extent as to maintain the standing of the house and their own self-respect. Much of the student's enjoyment of his University life, and even of the profit which he may derive from it, therefore depends upon his affiliation with a group with whom he can work in harmony, which will in his earlier years hold him to high standards of work and character, a service which he in turn is in duty bound to pass on to the succeeding generations of students in his group.

ROOMS IN PRIVATE FAMILIES

The University assembles about September 15 of each year a card catalogue of approved rooming and boarding places, which is open for use, free of charge, upon application to the Dean of Women, for rooms for girls and the University Y. M. C. A., for places for men.

The number of rooming and boarding places each year is fairly large, and students desiring such accommodations usually have

no serious trouble in finding good locations. Ordinarily it is not desirable to engage a room before reaching Eugene. The price of rooms varies from \$2.00 to \$5.00 per week, and board from \$6.00 to \$8.00 per week. The average price for room and board in private families is not far from \$35.00 per month.

Students sometimes rent rooms and do light housekeeping, thus reducing the cost of living considerably.

FEES

In the undergraduate schools and colleges at Eugene there is a REGISTRATION FEE of \$10.75 per term. At the time of payment the student receives a ticket which admits him free of charge to all contests, concerts, games, etc., given on the campus by the Associated Students during the term.

Students entering the University after September 1921 who reside outside the State of Oregon are charged a NON-RESIDENT FEE of \$20.00 a term or \$60.00 a year. Ex-service men have the benefit of a reduction in the non-resident fee to \$10.00 a term or \$30.00 a year.

GRADUATE STUDENTS pay a registration fee of \$6.00 per term. Members of the instructional staff registering for graduate work pay a registration fee of \$3.00 per term.

In the LAW SCHOOL there is an additional registration fee of \$10.00 per term. Non-resident law students are charged \$10.00 per term or \$30.00 per year in addition to the regular fees of the University and Law School.

For tuition and other fees in medicine, music, Summer Sessions, and extension courses, see the announcements of these schools.

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

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

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

The living expenses of a 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
	<u>\$500.00</u>	<u>\$645.00</u>	<u>\$800.00</u>

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, type-writing, 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 available 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., in charge of the employment bureaus.

STUDENT LOAN FUNDS

Through the generosity of Mr. William M. Ladd, of Portland, Mr. A. S. Roberts, of the Dalles, and the class of 1904, the University Loan Fund was founded. Although for a number of years the total amount of the fund reached only a little over \$500.00, yet its benefits were large, and through it many students were enabled to complete their college course who otherwise could not have done so. At the beginning of 1909, Senator R. A. Booth, of Eugene, became interested, and through his efforts a number of others, among whom were Mr. Theodore B. Wilcox and Mr. J. C. Ainsworth, of Portland, Mr. John Kelly, of Eugene, Mr. W. B. Ayer, of Portland, classes of 1911 and 1913, the estate of the late D. P. Thompson, of Portland, Mrs. Ellen Condon McCornack and Mr. Ben Selling, of Portland, made substantial donations. The University now has the following funds, amounting to \$10,203.67.

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 \$2,821.96.

THE AINSWORTH LOAN FUND of \$1000, established by Mr. J. C. Ainsworth of Portland, now amounts to \$1,554.49.

THE BOOTH LOAN FUND of \$1500, established by Senator R. A. Booth of Eugene, now amounts to \$1,754.92.

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

THE CONDON LOAN FUND of \$500, established by Mrs. Ellen Condon McCornack, in memory of her father, the late Dr. Thomas Condon, for many years professor of geology in the University, now amounts to \$849.02.

THE KELLY LOAN FUND of \$100 established by Mr. John F. Kelly, of Eugene, now amounts to \$159.94.

THE ROBERTS LOAN FUND, established by Mr. A. S. Roberts of The Dalles now amounts to \$902.33.

THE SELLING LOAN FUND of \$100, established by Mr. Ben Selling, of Portland, now amounts to \$155.10.

THE D. P. THOMPSON LOAN FUND of \$1000, established by the estate of the late D. P. Thompson of Portland, now amounts to \$1,715.91.

The CLASS OF 1896 LOAN FUND established in 1921 at the 25th reunion of the class now amounts to about \$2,500 available for student loans.

The women of the University are eligible also to receive aid from the Scholarship Loan Fund of the State Federation of Women's Clubs, and the Scholarship Loan Fund of the Eugene branch of the Association of Collegiate Alumnae.

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

THE MARY SPILLER SCHOLARSHIP

The Mary Spiller Scholarship is given by the Alumnae Association of the University of Oregon in memory of Mrs. 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 University 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.

COLLEGIATE ALUMNAE SCHOLARSHIP

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

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

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 such students shall be aided each year.

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.

In 1921 these scholarships were awarded to Isla Ruth Gilbert and Benjamin Horning.

THE RHODES SCHOLARSHIP

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.

In 1921 the Rhodes Scholarship was won by Kirby Miller, Oregon 1920.

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 committee on scholarships.

PRIZES

THE FAILING PRIZE

The Failing prize, not to exceed one hundred and fifty dollars, is the income from a gift of twenty-five hundred dollars made to the University by Hon. Henry Failing of Portland. It is awarded "to that member of the senior class in the Classical, Scientific or the Literary course prescribed by the University, or such 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 1921 the Failing prize was awarded to A. E. Rosenberg.

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 1921 the Beekman prize was awarded to John J. Canoles.

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 Rhetoric.

In 1921 the first prize was won by Ernest J Haycox, and the second by Irene Stewart.

THE ALBERT PRIZE

The Albert Prize of \$25.00, presented by Mr. 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 1921 the Albert prize was won by Miss Alice Thurston.

ALUMNI PRIZE

The Alumni prize of \$25.00 is presented annually by the Alumni Association of the University to the best individual student debater. In 1921 the prize was won by John J. Canoles.

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 1921 the cup was won by Remy Cox.

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 1921 the cup was won by Miss Marvel Skeels.

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.

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 the sub-committees on football, track, basket ball, baseball, minor athletics, women's athletics, forensics, publications, and musical organizations.

In addition to the inter-collegiate athletics, the committees organize and conduct various intramural leagues in the different sports. In trying out for these numerous teams the stimulus of competitive athletics is made available to a large proportion of the students of the University.

The forensic committee promotes the formation of intramural leagues among both the men and women students, and conducts the preliminary try-outs and the inter-collegiate debates and contests in the associations of which the University is a member.

The publications committee has supervision of the University newspaper, the **EMERALD**, and the University annual the **OREGANA**. The editor in chief of each of these publications is elected by the student body at the annual election in May.

During the past two years a humorous quarterly, the **LEMON PUNCH**, has also been issued by an independent group of students of the University.

Under the direction of the Musical committee are the **GLEE CLUBS**, both men's and women's, the **UNIVERSITY ORCHESTRA**; and the **U. OF O. BAND**.

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 WOMEN'S LEAGUE is an organization of the women of the University supported by the Associated Students and affiliated with the State Federation of Woman's Clubs.

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.

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 also occupies a building near the campus.

HONORARY SOCIETIES

Class honorary societies include To Ko Lo for sophomore men and Kwama for sophomore women, with the Friars, and Scroll and Script, for senior men and women respectively.

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 Architecture Club, and the Texon Art Club of the School of Architecture and Arts; The Order of the "O" made up of men who have won their "letter" on University teams; Samara, a group of students of Botany and Bacteriology; Alpha Kappa Psi, Beta Gamma Sigma and Beta Alpha Psi for the men of the School of Business Administration, and Phi Theta Kappa for the women of the same School; the Chemist's Club; Mask and Buskin, a voluntary organization of those interested in dramatic work, and The Company, an organization of the advanced students in the dramatic 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 and Zeta Kappa Psi, 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 society for women and Mu Zeta Kappa a similar organization of men; Sigma Alpha and Kappa Psi, organizations of medical students; El Circulo Castellano and Le Foyer Francais; Pot and Quill, Sigma Upsilon, and Hammer and Coffin, organizations of women and men interested in writing; the Ad club, which is composed of men interested in advertising.

Other types of organizations are Cross Roads, an organization of students and faculty; the Dial and the Forum, for the public discussion of topics of general and timely interest; the Cosmopolitan Club; 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; The University Honor Society, founded by members of Phi Beta Kappa, which selects each year the graduates of high standing on a basis similar to that of the national organization; and the University Science Club, consisting mainly of members of the scientific staff, but also electing to its membership students of unusual attainments.

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 contains 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 five times a week during the college year by the Student Body of the University. The paper is devoted to general college news, and aims to keep the students, faculty and alumni posted concerning the every-day happenings at the University and neighboring institutions. The staff consists of an editor and a business manager, with a large corps of volunteer assistants. The editor 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 REBEG, Ph.D., DEAN	<i>Philosophy</i>
ERNEST S. BATES, Ph.D.	<i>English</i>
WILLIAM F. BOYNTON, Ph.D.,	<i>Physics</i>
EDMUND S. CONKLIN, Ph.D.	<i>Psychology</i>
EARL L. PACKARD, Ph.D.	<i>Geology</i>
FRIEDRICH GEORG G. SCHMIDT, Ph.D.	<i>German</i>
HENRY DAVIDSON SHELDON, Ph.D.	<i>Education</i>
HARRY BEAL TORREY, Ph.D.	<i>Zoology</i>
FREDERIC GEORGE YOUNG, B.A., LL.D.	<i>Sociology</i>

The Graduate Council has general oversight of the administration of the Graduate School. Instruction is given by heads of departments and other qualified members of the teaching faculty of the University.

ADMISSION

Any graduate holding a Bachelor's degree or its equivalent from a reputable college or university, will be admitted to the graduate school without examination.

College graduates who simply desire to take work of graduate character without seeking an advanced degree may be admitted to the graduate school and enjoy the privileges and exemptions of that school.

Formal acceptance as a candidate for a degree, however, is deferred until the student has been in residence at the University at least a term.

DEGREES

The University offers the following advanced degrees: Master of Arts, Master of Science, Master of Business Administration and Doctor of Philosophy.

THE MASTER'S 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 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.

Under certain conditions some of the courses given by the Law School may be taken with credit toward an advanced academic degree by graduate students in economics and political science.

The School of Journalism also offers some courses which will be available for major or minor work during the coming year.

The School of Business Administration offers graduate work leading to the degree of Master of Business Administration.

GRADUATE ASSISTANTS

The University has established graduate assistantships in many departments, open to graduate students taking their major work in those departments. These assistantships ordinarily pay \$500.00 per year on first appointment, and are subject to an increase to \$600.00 on reappointment. 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.

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.

COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

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

Chemistry Botany and Bacteriology Drama and the Speech Arts Economics English Geology Germanic Languages and Literature Greek History Household Arts Latin	Mathematics Medicine Mechanics and Astronomy Military Science Philosophy Physics Political Science Pre-Engineering Psychology Romance Languages 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 difference between these two degrees lies in the foreign language requirement.

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 which should be taken in the prescribed sequence.

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. A course in Practical Ethics and Vocational guidance, given once a week during the year by the Dean of Women, and carrying one hour of credit a year is required of all freshman women.

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; Mrs. LANCEFIELD
Graduate Assistant, MISS NAUERTH

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 MAJOR STUDENTS IN BOTANY

FRESHMAN	Fall	Winter	Spring
General Botany, 1a, b, c.....	4	4	4
French, German, or Spanish (elementary or second year).....	4	4	4
Essentials of Physics.....	3	3	3
History, Sociology, or Modern Governments.....	3-4	3-4	3-4
Military Science (men) or Personal Hygiene (women).....	1	1	1
Practical Ethics (women).....	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
Physical Education.....	1	1	1
	16-17	16-17	16-17

SOPHOMORE		<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Systematic Botany	3			3
Economic Botany			3	
General Chemistry	4		4	4
French, German, or Spanish (a continuation of first year)	3-4	3-4		3-4
*Education 51, 52, and 53	3		3	3
Military Science (men)	1		1	1
Physical Education	1		1	1
Elective	2-3	2-3		2-3
	16-18	16-18	16-18	16-18
JUNIOR				
Plant Histology	4	4		4
Animal Biology	4	4		4
*High School Problems	3			
Plant Physiology		4		
*Theory and Observation of Teaching				3
Written English	3	3		3
Electives	3	3		3
	17	17	17	17
SENIOR				
Advanced Systematic Botany		2		2
Sanitation	3			
Bacteriology		4		4
*Practice Teaching	5			
Botany Seminar		1		1
General Geology	4	4		4
Electives	5-6	5-6		5-6
	17-18	17-18	17-18	17-18

*Students not contemplating high school teaching may substitute electives approved by the head of the department of Botany for the prescribed hours in pedagogy.

DESCRIPTION OF COURSES

LOWER DIVISION

1a, b, c. GENERAL BOTANY. (a) A study of the cell, its structure, function and relation to heredity. An investigation of life processes as exemplified in a few typical plants. (b) A further study of the life processes in lower plant forms, especially mosses, algae, fungi and lichens, their classification and economic importance. (c) 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

103a, b, c. 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, Courses 1a, b, c. Lectures and laboratory. Sweetser. *Four hours, winter term.*

106. BACTERIOLOGY. Two lectures and two laboratory periods a week. Prerequisite General Chemistry. Sweetser and Lancefield. *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, spring term.*

109. FIELD AND SYSTEMATIC BOTANY. Analysis and classification of spring plant forms. Sweetser and Sanborn.

Three hours, spring term.

110. ADVANCED WORK IN BOTANY. Thesis.

Hours and credit to be arranged.

111. SEMINAR.

One hour.

112. PEDAGOGY. Practical study of methods of instruction in Botany. Sweetser.

Three hours, winter term.

114. RESEARCH. Work in Systematic Botany.

Hours and credit to be arranged.

117. 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.

BUSINESS ADMINISTRATION

The courses in this subject are described in the section under the School of Business Administration.

CHEMISTRY

Professors STAFFORD, SHINN; Associate Professor WILLIAMS;
Assistant Professor TANNER; Mr. WHITMAN
Graduate Assistants, Mr. SKIDMORE, Mr. TRUESDAIL

Students who major in chemistry are required under the following prescribed course of study to take a minimum of 63 hours in chemistry, in addition to reinforcing work in other pure science departments. Further work in chemistry may be secured by utilizing elective hours in the fourth year, although it is desirable that most of such hours be utilized for non-science courses.

COURSE OF STUDY FOR MAJOR STUDENTS IN CHEMISTRY

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
FRESHMAN			
General Chemistry	5	5	5
Mathematics (Advanced Algebra, Analytical Geometry, Trigonometry)	4	4	4
German	4	4	4
Military Science (men) or Personal Hygiene (women)	1	1	1
Practical Ethics (women)	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
Physical Education	1	1	1
	15	15	15
SOPHOMORE			
Analytical Chemistry	4	4	4
German	3-4	3-4	3-4
Physics, 4 or 7	3-4	3-4	3-4
Calculus	4	4	4
Military Science (men)	1	1	1
Physical Education	1	1	1
	16-18	16-18	16-18
JUNIOR			
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 requirement	4-6	4-6	4-6
	15-17	15-17	15-17
SENIOR			
Physical Chemistry	4	4	4
Second course in advanced Chemistry	3	3	3
Seminar	1	1	1
Electives, including optional thesis	3-9	3-9	3-9
	16-17	16-17	16-17

DESCRIPTION OF COURSES

LOWER DIVISION

1a, b, c. GENERAL CHEMISTRY. An introduction to the study of chemistry. A previous course in physics, in high school or university, is prerequisite. Three lectures, one laboratory and one quiz period. No credit for less than two terms' work. Shinn, Tanner. *Five hours, each term.*

2a, b, c. ELEMENTARY CHEMISTRY. A somewhat briefer course introductory to the study of chemistry, but not open to majors in medicine, chemistry or zoology, for whom course 1a, b, c is prescribed. A previous course in physics in high school or college is prerequisite. Three lectures and one laboratory period. No credit for less than two terms. *Four hours, each term.*

3a, b, c. ANALYTICAL CHEMISTRY. (a) Qualitative analysis. (b) Gravimetric analysis. (c) Volumetric analysis. One lecture and three laboratory periods. Whitman. *Four hours, each term.*

4a, b. ORGANIC CHEMISTRY FOR MEDICAL STUDENTS.. A briefer course than 105, designed especially for second year students in medicine. *Four hours, fall and winter terms.*

7. PHYSICAL CHEMISTRY FOR MEDICAL STUDENTS. A non-mathematical presentation of the fundamentals of the subject for third year students. Shinn. *Four hours, fall term.*

UPPER DIVISION

105a, b, c. ORGANIC CHEMISTRY. Three lectures and one laboratory period. Williams. *Four hours, each term.*
No credit will be given for less than two terms work in Course 105.

106a, b, c. ADVANCED INORGANIC CHEMISTRY. The subject is handled largely from the point of view of the periodic table, the chemistry of the rarer elements being emphasized especially. Two lectures per week. Tanner. *Two hours, each term.*

112a, b, c. ADVANCED ANALYTICAL CHEMISTRY. The student may select work in the following subjects: water analysis, food analysis, electro analysis and spectroscopic analysis. Whitman. *Three or four hours, each term.*

116a, b, c. PHYSICAL CHEMISTRY. Three lectures and one laboratory period. Shinn. *Four hours, each term.*

118. ELECTROCHEMISTRY. Two lectures and one laboratory period. Stafford. *Three hours, winter term.*

119. ADVANCED PHYSICAL CHEMISTRY. Special topics to be determined by the interests of those enrolled. Stafford. *Three hours, winter term.*

120a, b. ADVANCED ORGANIC CHEMISTRY. Special topics are dealt with in more detail than in the elementary course, such as tautomerism, directed valence forces, stereochemistry of benzene and of the sugars, constitution of the proteins and enzyme action. In the laboratory special stress is placed on laboratory technique. Williams. *Three hours, winter and spring term.*

121. SANITARY CHEMISTRY. The chemistry of water purification, sewage treatment, preservation of foods. Stafford. *Hours to be arranged, spring term.*

GRADUATE DIVISION

201. RESEARCH AND THESIS LABORATORY. Students are assigned to suitable problems for investigation under the supervision of a member of the staff.

205. SEMINAR. The staff.

COMMERCE

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

DRAMA AND THE SPEECH ARTS

Professor REDDIE; Miss BANFIELD; Mr. THOMPSON

This department offers specialized training as follows:

- (a) To those who desire the work for its cultural value.
- (b) 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.
- (c) 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 MAJOR STUDENTS IN DRAMA AND
THE SPEECH ARTS

FRESHMAN	Fall	Winter	Spring
Voice and Interpretation	2	2	2
Shakespeare	3	3	3
Modern European Language (French preferred).....	4	4	4
Laboratory Science or England and British Empire (group requirement)	4	4	4
Color Theory	1	1	1
Military Science (men) or Personal Hygiene (women)	1	1	1
Practical Ethics (women)	1/3	1/3	1/3
Physical Education	1	1	1
	16	16	16
SOPHOMORE			
Dramatic Interpretation	3	3	3
Foreign Language (continuation of first year).....	3-4	3-4	3-4
World History	3	3	3
World Literature	2	2	2
Education 51, 52, 53, or Laboratory Psychology or Short Story	3-4	3-4	3-4
Military Science (men)	1	1	1
Physical Education	1	1	1
	16-18	16-18	16-18
JUNIOR			
The 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).....	3	3	3
World Literature (second year).....	2	2	2
	17	17	17
SENIOR			
The Company (advanced)	5	5	5
Play Producing and Dramatization.....	2	2	2
Technique of Drama or Playwriting.....	2	2	2
Education (compulsory only for intending teachers)	5	5	5
Elective	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

1a, b, c. VOICE AND INTERPRETATION. Open to freshmen or others. A practical training in pronunciation, enunciation, platform manner, gesture, and character interpretation, the fundamentals of free expression, the elimination of mannerisms, restraint and self-consciousness. Only fifteen students admitted to any section. Three hours class work for two hours of credit. Banfield and assistants Two hours, each term.

51a, b, c, DRAMATIC INTERPRETATION. Second year. Open to those who have passed course 1 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 and assistants.

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. Reddie, Banfield.

Two hours, spring term.

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

Two hours, each term.

113a, b, c. ADVANCED STAGECRAFT. For senior students. Reddie.

Two hours, each term.

151a, b, c. 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.

152a, b. 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. Reddie.

Three hours, fall and winter terms.

161a, b. 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

201a, b, c. 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.*

202. ADVANCED TECHNIQUE OF THE SPEAKING VOICE. Graduate standing, with course 152 parallel or prerequisite. Class limited in number. Reddie. *Three hours, spring term.*

203a, b, c. 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			4	
Mathematics or Laboratory Science.....	4	4	4	4
Elementary or Second Year Language.....	4	4	4	4
Military Science (men) or Personal Hygiene (women)	1	1		1
Physical Education	1		1	1
Practical Ethics	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
Elective	2-3	2-3	2-3	2-3
		16-17	16-17	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	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		Fall	Winter	Spring
Trusts and Combinations, Natural Monopolies, and Modern Industrial Tendencies, or Transportation (three term courses)	5	5	5	5
Principles of Sociology	5	5		
New Social Order				5
Written English	3	3		3
Electives	3-4	3-4		3-4
	16-17	16-17		16-17

SENIOR		Fall	Winter	Spring
Public Finance, and Money and Banking, or Organized Labor, Labor Legislation, and Social Insurance	4	4		4-5
History of Economic Thought		3		3
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		Fall	Winter	Spring
Modern Governments	4	4		
Economic History				4
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
Practical Ethics (women)	$\frac{1}{2}$	$\frac{1}{2}$		$\frac{1}{2}$
Elective	3	3		3
	17	17		17

SOPHOMORE		Fall	Winter	Spring
Principles of Economics	4	4		
Business Economics				4
Acct. Theory and Practice	5	5		
Cost Accounting				5
French or German	3-4	3-4		3-4
City Government	4			
Law of Competition		4		
Constitutional Law				4
Physical Education	1	1		1
Military Science	1	1		1
	18-19	18-19		18-19

JUNIOR		Fall	Winter	Spring
Trusts and Monopolies	5			
Natural Monopolies		5		
Industrial Tendencies				5
Auditing	4	4		4
Public Finance	4	4		
Business Finance				4
Principles of Sociology	5	5		
New Social Order				5
	18	18		18

SENIOR	Fall	Winter	Spring
Ocean Transportation	5		
Railway Economics		5	
Railway Rate Regulation			5
Government Accounting	4		
Municipal Accounting		4	
Public Utility Accounting			4
Utility Commissions	3		
Railway Commissions		3	
Labor Commissions			3
Written English	2-3	2-3	2-3
	14-15	14-15	14-15

DESCRIPTION OF COURSES

LOWER DIVISION

1. ECONOMIC HISTORY. This course aims to trace the evolution of economic institutions from their simpler forms to the more complex systems of our own time. It deals with 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.

Four hours, any term.

3 a, b. THE PRINCIPLES OF ECONOMICS. The principles that underlie production, exchange and distribution are analyzed and applied. 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. No credit for one term of work. Gilbert. *Four hours, fall and winter terms.*

4. ECONOMICS OF BUSINESS ORGANIZATION. This course deals with the evolution of business units such as the partnership, joint stock concern and the corporation. Special attention will be given 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 Courses 3a and 3b. Cameron. *Four 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 taken Principles of Economics or Principles of Sociology. R. 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, Labor Problems. R. M. Miller.

Four hours, fall 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. Prerequisite, Labor Problems. R. M. Miller.

Four hours, winter term.

108. SOCIAL INSURANCE. This course deals with various public arrangements and policies by which the economic position of the workman is made more secure. Insurance against accident, old age, sickness and unemployment will be fully considered and sound lines of policy indicated. Prerequisite, 105. R. 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 are considered. The monetary history of the United States and the present monetary system are treated. Principles underlying sound banking and the use of credit are analyzed and the history causes and remedies for crises and panics are discussed. 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 will be considered and the relation to contemporary economic conditions indicated. Special attention will be 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.

118 a, 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 are considered and a constructive plan for fiscal reform outlined. At all points special consideration will be given to Oregon problems. Prerequisite, Principles of Economics. No credit for one term. Gilbert.

Four hours, fall and winter terms.

123. TRUSTS AND INDUSTRIAL COMBINATIONS. This course deals with 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 are considered and plans for safeguarding the public interest are outlined. Prerequisite, Principles of Economics. Cameron.

Five hours, fall term.

124. GOVERNMENT CONTROL OF NATURAL MONOPOLIES. This course aims to consider sound lines of policy in regulating, controlling or owning natural monopolies or public utilities other than steam railways. Special attention will be given to municipal ownership in America and Europe and the economic and political problems incidental thereto. Prerequisite Principles of Economics. Cameron.

Five hours, winter term.

125. MODERN INDUSTRIAL TENDENCIES. This course aims to deal with recent changes affecting the organization of big business, and ascertain the economic influence, as well as the limits of the movement toward concentration and integration in the industrial world. Cameron.

Five hours, spring term.

135. RAILWAY ECONOMICS. An introductory course in land transportation in which a general study is made of land transportation agencies as to their history and evolution, finance, organization, services, rate theories, relations to the public, to the state, and to each other. Underlying economic principles are emphasized. Prerequisite, Principles of Economics. Crockatt.

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 regulation. 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 NATURAL RESOURCES. An inventory of our resources in mineral wealth, water, soil, timber, etc., will be taken and practices which lead to waste and extravagance will be considered. An effort will be made to develop 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. Prerequisite, 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.*

220. GRADUATE SEMINAR IN TRANSPORTATION. Crockatt. Hours to be arranged.

EDUCATION

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

ENGLISH

Professors HOWE, BURGESS, PERKINS, THACHER, WATSON; Associate Professor THORPE; Assistant Professors COLLINS, EDINGTON, FISH; Mr. SOLVE, Mrs. NORMA DOBIE SOLVE, Miss TURNER.

Graduate Assistants: Miss HAWES, Mr. HICKS, Mr. LEE, Miss MOATES, Mr. MOORE, Mr. PALMER, Mr. WINTHER.

COURSE OF STUDY FOR MAJOR STUDENTS IN ENGLISH

LITERATURE OPTION

FRESHMAN	Fall	Winter	Spring
Outlines of English Literature.....	4	4	4
American Literature 59 a, b, c.....	3	3	3
Latin, French, or German.....	4	4	4
History of England and the British Empire.....	4	4	4
Military Science (men) or Personal Hygiene (women)	1	1	1
Practical Ethics	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Physical Education	1	1	1
	<u>17</u>	<u>17</u>	<u>17</u>

SOPHOMORE			
	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
English Poetry, Wordsworth, Ruskin	3	3	3
(1) Shakespeare, or Written English, or Education 51, 52, and Elective.....	3	3	3
Latin, French, or German (continuation of first year)	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
	<u>17</u>	<u>17</u>	<u>17</u>

(1) 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			
Romantic Poets, Victorian Poets, Classic Poets.....	3	3	3
English Novel	3	3	3
(1) Written English	2-3	2-3	2-3
Latin, French, or German (continuation).....	3	3	3
(2) Observation Teaching, Teaching of Composi- tion, and Teaching of Literature.....	3	3	5
Minor, Norm or Elective	2-4	2-4	2
	<u>16-18</u>	<u>16-18</u>	<u>16-18</u>

(1) Required for degree unless taken in sophomore year. (2) Required only of those intending to teach.

SENIOR			
(1) Anglo-Saxon	3	3	
(2) History of English Literature.....	3	3	3
English Drama, or Living English Writers.....	3	3	3
(3) Seminar		2	2
Supervised Teaching and Norm (for intending teachers), or Minor, or Elective.....	6-8	4-6	7-9
	<u>15-17</u>	<u>15-17</u>	<u>15-17</u>

(1) Required of students contemplating graduate work in English. (2) For candidates for honors and for intending teachers. (3) For candidates for honors.

WRITING OPTION			
FRESHMAN			
	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Written English	3	3	3
Outlines of English Literature.....	4	4	4
Foreign Language, Ancient or Modern.....	4	4	4
Animal Biology	4	4	4
Military Science (men) or Personal Hygiene (women)	1	1	1
Practical Ethics (women).....	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$
Physical Education	1	1	1
	<u>17</u>	<u>17</u>	<u>17</u>
SOPHOMORE			
Written English	3	3	3
Foreign Language (continuation)	3-4	3-4	3-4
Psychology (with laboratory)	4	4	4
Military Science (men)	1	1	1
Physical Education	1	1	1
(1) Education 51, 52, and 53, or History, or Philosophy	3-4	3-4	3-4
	<u>15-17</u>	<u>15-17</u>	<u>15-17</u>

	JUNIOR	Fall	Winter	Spring
Written English		2-3	2-3	2-3
American Literature		3	3	3
World History		3	3	3
World Literature		2	2	2
Foreign Language (continuation)		2-3	2-3	2-3
(1) Education and Norm, or Elective		3-5	3-5	3-5
		17	17	17
	SENIOR			
Written English		3-5	3-5	3-5
World History		3	3	3
World Literature		2	2	2
(2) Anglo-Saxon		3	3	
(3) History of English Literature.....		3	3	3
(1) Education and Norm, or Elective		2	2	2
		16-18	16-18	16-18

(1) For intending teachers.

(2) Required of students contemplating graduate work in English.

(3) For candidates for honors and for intending teachers.

DESCRIPTION OF COURSES

LOWER DIVISION

LITERATURE

1, 2, 3. **OUTLINES OF ENGLISH LITERATURE.** From Edmund Spenser to the present. Each epoch is studied by the reading of representative authors, supplemented by lectures and interpretative readings. First term, sixteenth and seventeenth century authors. Second term, eighteenth century authors, and those of the first quarter of the nineteenth century. Third term, from 1830 to the present. Courses in sequence, but may be taken independently. Watson, Solve. *Four hours, each term.*

25. **WORDSWORTH.** A study of the best poems of the author, in such order as to illustrate the power, scope, and characteristic beauty of this poet. Introductory to all poetry courses in this department. Howe. *Three hours, spring term.*

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

50, 51, 52. **SHAKESPEARE.** Study of the important historical plays, comedies and tragedies. Courses in sequence, but may be taken separately. Watson. *Three hours, each term.*

59a, b, c. **AMERICAN LITERATURE.** Study of American literature from its beginning to the present day. Lectures and assigned readings. Burgess. *Three hours, each term.*

60. 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. *Three hours, fall term.*

WRITTEN AND SPOKEN ENGLISH

Courses listed in this section are not open to Freshmen.

4a, b, c. MAGAZINE WRITING. Based on study of Atlantic Monthly, Nation and other magazines. Burgess.

Two hours, each term.

5a, b, c. ADVANCED NARRATION. A study of common types of prose narrative; their historical development and the principles underlying the writing of them. Reading and analysis of examples of types and writing of reviews and brief narratives. Turney.

Three hours, each term.

7. THE STUDY OF WORDS. The purpose of this course is to aid students in the attempt to acquire a practical vocabulary. Burgess.

Two hours, spring term.

9a, b, c. BUSINESS ENGLISH. Written and spoken English, having especially in view the needs of students making Commerce their major subject. Textbook, Language for Men of Affairs (2 vol.) edited by James Melvin Lee. *Three hours, each term.*

11a, b, c. SHORT STORY. Typical short stories, both classics and those from current periodicals, are analyzed. In the latter part of the course consideration is given the standards and policies of contemporary magazines, and an attempt is made to produce marketable work. Thacher.

Three hours, each term.

15a, b, c. ELEMENTARY PLAYWRITING. Study of primary dramatic principles; writing of simple dialogues, sketches and scenarios. Solve.

Two hours, each term.

16a, b, c. VERSIFICATION. Solve *Two hours, each term.*

60a, b, c. EXTEMPORE SPEAKING. The selection, organization, and presentation of speech material. Thorpe.

Two hours, each term.

65a, b, c. ARGUMENTATION. The theory and practice of debating. Thorpe.

Three 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 not be taken in units of less than one year. No credit otherwise. 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; Provençal 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

LITERATURE

101, 102, 103. ENGLISH POETRY. Fall term, the shorter classics. Winter, the old ballads. Spring, twentieth century poems. Howe.

Three hours, each term.

110. SHELLEY. His more important works in their order as written, with attention to his importance both as philosopher and as poet. Howe.

Three hours, winter term.

115. BROWNING. The Ring and the Book and the important shorter poems. The aim is to give the student facility in reading Browning understandingly, and to acquaint him with the author's outlook on life. Solve,

Three hours, spring term.

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

Three hours, spring term.

125. MILTON. Paradise Lost entire, and the minor poems. Watson.

Three hours, one term.

128. THE CLASSIC POETS. Dryden, Pope, to Samuel Johnson. Perkins.

Three hours, spring term.

130. THE ROMANTIC POETS. Scott, Coleridge, Southey, Wordsworth, Byron, Shelley, Keats, Hunt, Landor. Solve.

Three hours, fall term.

135. THE VICTORIAN POETS. Tennyson, Browning, Barrett-Browning, Rossetti, William Morris, Swinburne, Matthew Arnold. Solve.

Three hours, winter term.

136. ANGLO-SAXON. Grammar and translation of selected passages. Bright's Anglo-Saxon reader will be used in fall term; Wyatt's Beowulf in winter term. Two years of German a prerequisite for graduate credit. Perkins.

Three hours, fall and winter terms.

140, 141, 142. ENGLISH DRAMA. Fall term, Elizabethan drama; winter, Restoration, Eighteenth Century and Romantic Drama; spring, Victorian and Recent Drama. Solve.

Three hours, each term.

145, 146, 147. ENGLISH PROSE WRITERS (NOT NOVELISTS) OF THE NINETEENTH CENTURY. De Quincey, Lamb, Hazlitt, Carlyle, Ruskin, Mill, Huxley, Matthew Arnold, Pater. Courses in sequence, but may be taken separately. Solve.

Three hours, each term.

150, 151, 152. ENGLISH PROSE WRITERS OF THE EIGHTEENTH CENTURY. Gibbon, Burke, Samuel Johnson, Boswell, Hume and others. Howe.

Three hours, each term.

155, 156, 157. LIVING ENGLISH WRITERS. Kipling, Shaw, Wells, Arnold Bennett, Galsworthy, Chesterton, Granville Barker, St. John Hankin, Dunsany, Davies, W. H. Hudson; poetry, essay, short story, drama, and novel. Courses in sequence, but terms may be taken separately. Howe.

Three hours, each term.

160, 161, 162. CONTEMPORARY EUROPEAN LITERATURE. English in its relation to other European literatures, to Ibsen, the Russians, Maeterlinck, and others. Howe.

Three hours, each term.

165. FORERUNNERS OF ROMANTICISM. A study of the romantic motive in the Eighteenth Century. Ossian, Blake, Burns. Watson.

Three hours, winter term.

166. EMERSON. The influence of Plato, Goethe, Coleridge, Carlyle and others upon Emerson; parallels with Marcus Aurelius, Epictetus; the effect of Emerson upon modern thought. Reading from poems, essays, Representative Men and English Traits. Burgess.

Three hours, one term.

170a, b, c. HISTORY OF ENGLISH LITERATURE. This course, planned for honor students and intending teachers, is advised for junior year. Solve, Perkins.

Three hours, each term.

172. CONTEMPORARY AMERICAN POETRY. Recent regular verse, free verse. polyphonic prose. Students will read with a view to understanding the work of the period, and also with a view to collecting, editing and presenting the work of their especially assigned authors. Burgess.

Three hours, spring term.

175. TEACHING OF ENGLISH LITERATURE. Lectures, papers and conferences. Required of all who expect to teach English. Should be taken in junior year, preparatory to practice teaching in senior year. Howe and Solve.

Five hours, spring term.

176. WALT WHITMAN: A STUDY OF ROMANTIC OPTIMISM. Transcendentalism; the ideals of democracy; Whitman's great program; his degree of attainment; his influence on the literature of today. Lectures and discussions. Burgess.

Three hours, winter term.

177. EDGAR ALLEN POE: A STUDY OF ROMANTIC PESSIMISM. The background of Romanticism; Poe's life and temperament; his relations with other American writers; his work in poetry, the short story and criticism; his influence on later Romanticism. Lectures and discussions. Burgess.

Three hours, one term.

185, 186, 187. REPRESENTATIVE ENGLISH NOVELISTS. Richardson, Fielding, Smollett, Scott, Jane Austen, Dickens, Thackeray, George Eliot, Meredith, Hardy. Watson.

Three hours, each term.

190, 191, 192. SOCIAL PROBLEMS IN THE ENGLISH NOVEL. Miss Edgeworth, Dickens, Kingsley, and other nineteenth century and contemporary novelists who have made the novel the vehicle of social criticism. Watson. *Three hours, each term.*

195a, b, c. CONTEMPORARY AMERICAN LITERATURE. Collins. *Three hours, each term.*

WRITTEN AND SPOKEN ENGLISH

113a, b, c. TECHNIQUE OF POETRY. Study of the standard metrical forms and of modern free verse; practice in actual versification. *Two hours, each term.*

114a, b, c. ADVANCED WRITING. A course of seminar character. Open only to advanced students who desire to become professional writers. Thacher. *Two hours, each term.*

115. TECHNIQUE OF DRAMA. Advanced course in playwriting. Composition of one-act, two-act, and three-act plays. Bates. *Two hours, each term.*

152a, b. TEACHER'S COURSE. Composition and American Literature. Required of all seniors who expect to teach English. Turney. *Two hours, fall and winter terms.*

171. CRITICISM. Required for juniors majoring in Journalism. Practice in the writing of musical, dramatic, art, and literary criticism. Collins. *Two hours, each term.*

185a, b, c. PRINCIPLES OF STYLE. Collins. *Two hours, each term.*

GRADUATE DIVISION

201. SURVEY OF THE ENGLISH CRITICS. Howe. *Three hours, each term.*

204a, b, c. TRANSLATION. Bates. *Three hours, each term.*

205. SEMINAR. For graduates and honor students. Problems in research. Howe. *Three hours, winter and spring terms.*

206a, b, c. THE ENGLISH CRITICS. Howe. *Three hours, each term.*

207. PRINCIPLES OF CRITICISM. A course, primarily designed for graduate students, affording a comparative study of critical theory and the application of theory to special problems. Bates. *Three hours, each term.*

210. THE PHILOSOPHICAL FOUNDATIONS OF ENGLISH LITERATURE. Selections from Bacon, Hobbes, Locke, Berkeley, Hume, the Deists, the Economists, the Utilitarians, the Evolutionists and the Pragmatists will be read by the class. Watson.

Three hours, each term.

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. HOLDREDGE

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
General Chemistry	4	4	4
Social Origins	3	3	3
Practical Ethics	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
	<hr/>	<hr/>	<hr/>
	17	17	17
SOPHOMORE			
Mineralogy	4	4	4
Physics (1, 4, or 7), or Animal Biology	3-4	3-4	3-4
Elementary or second year language	4	4	4
Written English	3	3	3
Military Science (men)	1	1	1
Physical Education	1	1	1
	<hr/>	<hr/>	<hr/>
	16-17	16-17	16-17

JUNIOR		Fall	Winter	Spring
Principles of Stratigraphy	3			
Petrology			3	
Structural Geology or Invertebrate Paleontology				3-4
Physiology, or Descriptive Geometry and Course 62a,b, in Architecture	2-3	2-3		2-3
Foreign Language (continuation of previous year).....	3-4	3-4		3-4
Electives (Education for those intending to teach)....	7	7		7
	16-17	16-17		16-17
SENIOR				
<i>For Geology Specials:</i>				
Economic Geology—				
Non-Metallics (102a)	3			
Metallic Ore Deposits (102b, c)		3		3
Geology electives	3-4	3-4		3-4
Seminar	1	1		1
Electives (Education for those intending to teach)...	8	8		8
	15-16	15-16		15-16
<i>For Paleontology Specials:</i>				
Invertebrate Paleontology (108b)	4			
Tertiary Faunas (118)		4		
Geological History of North America (122) or Vertebrate Paleontology (109a)	3			
Geological History Pacific Coast (121), or Vertebrate Paleontology		3		
Geological History of Oregon (122) or Mesozoic Faunas (128)				3-4
Seminar	1	1		1
Electives (Education for those intending to teach)...	8	8		8
	16	16		12-13

DESCRIPTION OF COURSES

LOWER DIVISION

1 a, 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. It also includes a study of the natural history and occurrence of the common rocks and useful minerals. Three lectures and one laboratory or field period. No credit for less than two terms. Smith and Packard.

Four hours, fall and winter terms.

1 c. HISTORICAL GEOLOGY. An outline of the geological history of the earth, with special reference to the development of the North American continent. Prerequisites Geology 1 a and 1 b, or a satisfactory course in high school physiography. Three lectures and one laboratory or field period. Packard.

Four hours, spring term.

2. DYNAMIC GEOLOGY. An intensive course in general geology designed especially for Science majors, geology majors, and pre-Engineering students. Lectures cover general discussion of com-

position and structure of the earth; the work of air, water, ice, vulcanism and internal earth forces in changing the earth's structure, composition and surface features; and a brief history of the earth. Laboratory field trips vicinity of Eugene. Three lectures and one laboratory period of three hours. Hodge.

Four hours, spring term.

4a, b, c. MINERALOGY. A general study of Crystallographic, Physical, and Chemical Mineralogy, followed by Determinative Mineralogy. Prerequisite, general chemistry. Two lectures and two laboratory periods.

Four hours, each term.

5. ECONOMIC GEOGRAPHY. A study of Geography in its broadest aspects, its aid in the interpretation of history, the geographic factors controlling commercial relations of the various nations, with an intensive study of the more important countries, particularly of the United States and its dependencies. Smith.

Three hours, any term.

8. 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. Two lectures and one laboratory period. Packard.

Three hours, winter term.

9. 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, spring term.

10. GEOLOGY OF STRUCTURAL MATERIALS. An introductory course in geology of such structural materials as clays, sands, gravels, and building stones, designed especially for students in architecture.

Three hours, one term.

UPPER DIVISION

101. STRUCTURAL GEOLOGY. Study of origin, interpretation and mapping of minor rock structures and of joints, faults, and folds. Prerequisites: Geology 1 or 2, and 111. Two lectures and one laboratory or field period. Hodge.

Three hours, spring term.

102a. NON-METALLIC GEOLOGY. The geology, uses, and economics of the non-metallic minerals, excepting coal and oil. Building stones, road materials, and fertilizers are stressed. Pre-

requisites: Geology 1 or 2, 4, 111, and 115. Two lectures and one laboratory or field period. Hodge. *Three hours, fall term.*

102, b, c. METALLIC ORE DEPOSITS. The origin, occurrence, and conservation of the metallic ores. Methods of prospecting, developing, and mining will be briefly treated. Prerequisite 102a. Two lectures and one laboratory or field period.

Three hours, winter and spring terms.

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: Geology 1 or 2, and 111. Three lectures; field trips. Hodge.

Three hours, fall term.

104. PHYSIOGRAPHY (*Teachers' Course*). An advanced course in Physiography with special emphasis upon the practical problems confronting a teacher of physical geography. Prerequisite, Geology 1. Two lecture and recitation hours, and one laboratory period.

Three hours, spring term.

105. THE TOPOGRAPHY AND PHYSIOGRAPHY OF THE UNITED STATES. A study of the typical physiographic features of the United States. Open to both lower and upper division students.

Two hours, spring term.

106a. OPTICAL MINERALOGY. 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. Prerequisites: Geology 1 or 2, and 4. Two lectures and two laboratory periods. Hodge.

Four hours, fall term.

106 b, c. PETROGRAPHY. 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 (see 111). Metamorphism discussed in detail. Prerequisites: Geology 106a. Two lectures and two laboratory periods.

Four hours, winter and spring terms.

108a. INVERTEBRATE PALEONTOLOGY. A laboratory and lecture study of the main groups of recent invertebrates and comparison with fossil specimens. Two laboratory and two lecture periods a week.

Four hours, spring term.

108b. INVERTEBRATE PALEONTOLOGY. A laboratory and lecture study of the most important genera of the invertebrates, with special reference to the characteristic West Coast types. Prerequisite: Paleontology 108a. *Four hours, fall term.*

109 a, b. VERTEBRATE PALEONTOLOGY. A study of the osteology and evolutionary history of a few selected groups of vertebrates. Prerequisite, Zoology 1c. *Three hours, fall and winter terms.*

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 1 or 2, and 4. Packard.

Three hours, fall term.

113. COAL. Origin, occurrence, distribution, structure, prospecting, mining, economics and conservation of coal. Prerequisites: Geology 111. Lectures and field trips. Hodge.

Three hours, fall term.

115. PETROLOGY. A lecture and laboratory course in the identification and uses of common rocks. Prerequisites: Geology 1 or 22, and 4. One lecture and two laboratory periods. Hodge.

Three hours, winter term.

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: Geology 111 and 108.

Four hours, winter 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: Geology 111 and 108.

Four hours, spring term.

120. GEOLOGIC HISTORY OF NORTH AMERICA. The geologic development of North American continent. Prerequisites, Geology 111 and 108a.

Three hours, fall term.

121. GEOLOGIC HISTORY OF THE PACIFIC COAST. The geology of the Pacific Coast of North America. Prerequisite, Geology 111, 108a.

Three hours, winter term.

122. GEOLOGIC HISTORY OF OREGON. A study of the geology of Oregon and the discussion of local geological problems. Prerequisite: Geology 121. *Three hours, spring term.*

140. PRINCIPLES OF ASSAYING. Principles of fire assaying, practice in, and the determination of the precious and non-precious metals. Hodge. (Given 1923 and every alternate year thereafter.) *Four hours, winter 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: Geology 1 or 2, and 4. 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 survey methods and an 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. *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. *One hour, each term.*

202. ADVANCED GEOLOGY. Special work assigned to meet the requirements of advanced students.

208. ADVANCED PALEONTOLOGY. Special work assigned to meet the requirements of the advanced student.

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: Geology 106. One lecture and two laboratory periods.

Three hours, fall and winter terms.

245. OPAQUE MINERALS AND METALS. Lectures on the behavior of liquids while changing to crystalline solids. Laboratory practice in technique of preparation of material, identification of crystal aggregates, and their interpretation. Prerequisite: Geology 244. One lecture and two laboratory periods. Hodge.

Three hours.

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	4	4	4
Outlines of English Literature	4	4	4
Practical Ethics	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
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
World History	3	3	3
World Literature	2	2	2
Military Science (men)	1	1	1
Physical Education	1	1	1
Education 51, 52, 53, or elective	2-3	2-3	2-3
	15-18	15-18	15-18
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 or Psychology	3	3	3
World History (second year)	3	3	3
World Literature (second year)	2	2	2
	15-17	15-17	15-17
SENIOR			
Advanced courses in German	5-6	5-6	5-6
Second language (continuation of previous two yrs.)	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), new edition; and Huss's German Reader (D. C. Heath); German composition,

translation of easy prose and poetry. No credit for less than three terms work. 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, etc., will be read. Prerequisite, two years of college German. Schmidt.

Three hours, each term.

102a, b, c. 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.

103a, b, c. 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.

104. GERMAN POETRY. Poems of Goethe, Schiller, Uhland, etc., will be read.

Three hours, spring term.

105. GOETHE'S FAUST. Part I with commentary. Schmidt.

Three hours, winter term.

106. GOETHE'S FAUST. Part II with commentary.

Three hours, spring term.

107. HEINE. Prose works. *Three hours, fall or winter term.*

108. HISTORICAL AND PHILOSOPHICAL GERMAN. The rapid translation of modern historical, philosophical and economic German.

Two hours, spring term.

109a, b, c. **COMMERCIAL GERMAN.** The purpose of this course is to make the student acquainted with the elements of commercial German and to widen his commercial vocabulary by means of reading texts dealing with German business customs and institutions. Only students who have had at least two years of German will be admitted to this course. *Two hours, winter term.*

110. **TEACHING OF MODERN LANGUAGES.** Discussion of methods of teaching German, French and Spanish; examination of texts. Open to juniors and seniors. Required of students who wish to be recommended as teachers of foreign languages. Schmidt.

Three hours, spring or fall term.

111 a, b, c. **ADVANCED GERMAN COMPOSITION.** Required of all students who wish to teach German. *Two hours, each term.*

112a, 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.*

113a, b, c. **HISTORY OF GERMAN LITERATURE.** Lectures in English. Outside reading and papers on assigned topics. No German required. Schmidt. *Two hours, each term.*

114. **THE NINETEENTH CENTURY NOVEL.** Representative works of Freytag, Meyer, Sudermann, Frenssen, Storm, Riehl, Heyse, Scheffel, Ludwig, Dahn, Ganghofer, Rosegger, Auerbach, Ebner-Eschenbach, Spielhagen, etc. will be included in the course.

Three hours, each term.

201. **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 and Prosa* (3rd edition); Behaghel's *Historical Grammar of the German Language*.

203. **GOTHIC AND THE ELEMENTS OF COMPARATIVE GERMAN GRAMMAR.** Braune, *Gotische Grammatik*, latest edition (1920). Heyne's *Ulflas*, 9. Auflage, von F. Wrede, Paderborn, 1896; Streitberg's *Urgermanische Grammatik*. This course is required for advanced degrees in English Philology.

204. HISTORY OF GERMAN LITERATURE OF THE NINETEENTH CENTURY. With special study of the classic periods of the twelfth and eighteenth centuries. Scherer's *Geschichte der deutschen Literatur*, Franke's *History of German Literature* are used as textbooks. Papers on assigned topics will be required.

205. PHYSIOLOGICAL PHONETICS. The sounds of English, German and French. Grandgent, German, and English sounds (Boston, Ginn & Co., 1892); Ripman's adaptation of Viotor's *Kleine Phonetik* (London, J. M. Dent & Co., 1913); *Kleines Lesebuch in Lautschrift von Viotor*; Sweet, *A Primer of Phonetics* (Oxford, Clarendon Press, 1890); lectures. *Two hours, one term.*

SCANDINAVIAN LANGUAGE AND LITERATURE

LOWER DIVISION

21 a, b, c. ELEMENTARY NORWEGIAN (DANO - NORWEGIAN). Principles of grammar and the reading of easy prose. The texts used comprise Olson's *Norwegian Grammar and Reader*, or Holvik's *Beginner's Book in Norse*; Bjoernson's *Synnoeve Solbakken*, or *En glad Gut*; Lie's *Fortaellinger*; 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 *Det ringer*. No credit for less than three terms' work. Thorstenberg.

Three hours, each term.

UPPER DIVISION

123a, b, c. SCANDINAVIAN LITERATURE (Conducted in English). Works of Bjoernson, Ibsen, Lie, Kielland, Tegner, Rydberg, Lagerloef, Strindberg, etc., in standard translations. Supplementary lectures on the history of the literature. Thorstenberg.

Three hours each term.

124a, b, c; 134a, 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 the Eugene Bible University, in preparation for the ministry, 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.*

150 a, 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 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

200 a, 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.*

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

202 a, 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.

203 a, 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 Professor GRIFFIN

Two of the lower division courses, Modern Europe, and England and the British Empire, 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		
	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
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
Physical Education	1	1	1
Practical Ethics	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Elective or Norm	7	7	7
	<hr/>	<hr/>	<hr/>
	17	17	17

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
SOPHOMORE			
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	
Education 51			3
Military Science (men)	1	1	1
Physical Education	1	1	1
	17-18	17-18	17-18
JUNIOR			
Written English	3	3	3
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
	16-17	16-17	16-17
SENIOR			
History courses	6	6	6
Education (for teachers) and electives in minor sub- ject or general electives	9-11	9-11	9-11
	15-17	15-17	15-17

Electives suggested as allied to History: Sociology; English; World Literature; Organic Evolution (Zoology); History of Philosophy, of Art, etc.; Philosophy of History.

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. *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. *Three hours, each term.*

41a, b, c. **MODERN EUROPE.** The history of Europe from the death of Louis XIV. to the present day. The course will treat 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. *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. *Four hours, spring term.*

61a, b, c. ENGLAND AND THE BRITISH EMPIRE. A 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. Barnes. *Four hours, each term.*

71a, b, c. 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. Elective by terms. Open to sophomores. Clark. *Four hours, each term.*

UPPER DIVISION

101. 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. Clark. (Not given 1922-23.) *Three hours, winter term.*

102. 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.*

111a, b, c. ANCIENT HISTORY. History of Greece, during the fall term, history of Rome, winter and spring terms. 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. *Four hours, each term.*

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. *Four hours, fall term.*

131a, b. 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 universal church to the modern period of 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.

Four hours, winter and spring terms.

143. THE FRENCH REVOLUTION. An advanced study of the Revolution, beginning with the calling of the Estates General. Prerequisites, 41a and two years of French. Barnes. (Not given 1922-23.)

Three hours, one term.

146. THE RUSSIAN REVOLUTION. A brief account of the revolutionary movement in Russia since 1870 as illuminated by comparison with the French Revolution. Prerequisite 41a or 41c. (Not given 1922-23.)

Two hours, fall 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 1922-23.]

Three hours, fall and winter terms.

163. THE STUARTS AND THEIR PARLIAMENTS. A study of the times of the Stuarts, with especial consideration of the rule of Cromwell and the Revolution of 1688 as efforts of the House of Commons to control the government. Prerequisite 61b.

Three hours, one term.

171a, b, c. AMERICAN HISTORY. Same as 71a, b, c, with additional reading for upper division credit. Clark.

Four hours, each term.

172. AMERICAN FOREIGN RELATIONS. A history of the relations of the United States with other powers and the development of American foreign policies since 1789. Clark.

Three hours, spring term.

173a, b, c. 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. *Three hours, each term.*

176. 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, fall and winter terms.

181. LATIN AMERICAN HISTORY. A study of the history, together with political, social, and economic conditions of the "Other Americas."

Three hours, spring term.

191 a, b, c. ASIA AND THE PACIFIC. History and life of peoples of India, Central Asia, the Far East, Australasia, Alaska, the island groups, etc. Work on Near East for those interested. Pacific problems, Oregon and Orientals. Griffin. (Not given 1922-23.)

Four hours, each term.

GRADUATE DIVISION

241. FORERUNNERS OF THE FRENCH REVOLUTION. A source study of the influence of the leading 18th century writers upon the ideas of the French revolutionists. Prerequisite, two years of French and either 131e or 41a. Barnes. *Three hours, fall term.*

276. 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.

Three hours, winter and spring terms.

291. ASIA AND THE PACIFIC. Guidance for qualified students in special reading and written reports on some one country, period, movement, or problem. Griffin.

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 the 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			
Elementary Foods	5a,b,c	Fall	Winter
	3	3
			3
JUNIOR			
Sanitation (Botany 11)	3	
Food Economics		3
Home Nursing		3
SENIOR			
Care of Children	3	
Household Management		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			
Foods 15a,b	.....	Fall	Winter
Home Nursing, or Home Nursing with Cooking for Sick	.....	4	4
			3-4
JUNIOR OR SENIOR			
Care of Children	.....	3	
Household Management	.....		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. The elementary courses in Food and Clothing, 1a, b, c and 5a, b, c will not satisfy the group requirement.

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.*

11a, b. **CLOTHING.** Economics of clothing. Practical problems in garment making. Study of line and color in dress. Renovation of materials. Study of standard textiles. This course

is intended for those having had previous instruction in sewing and garment making. Will satisfy group requirements if combined with other units as advised by the head of the department. Open to freshmen, but not to those who have had 1a, b, c.

Four hours, fall and winter terms.

11c. CLOTHING PROBLEMS. Special problems in clothing. Prerequisite 11a, b or equivalent and consent of instructor. Hauck.

Three hours, spring term.

31. TEXTILES. Identification of fibers. Microscopic study of fibers. Physical and chemical tests, economic features of textile industry. Prerequisite, chemistry, either high school or college. Hauck.

Three hours, spring 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. 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.

15a, b. 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. Preparation of prescribed diets. Prerequisite chemistry (either high school or college), or high school cooking and examination. Will satisfy group requirements if taken with other courses as advised by the head of the department. No credit for one term's work. Tingle and Pattison.

Three hours, fall and winter terms.

15c. FOODS. Special practical problems for qualified students. Prerequisite 15a, b, or equivalent and consent of instructor. Tingle.

Three hours, fall and winter terms.

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, one term.

35. **HOME NURSING.** Emergencies, first aid and home care of the sick or convalescent. Prerequisite, Sanitation and Food Economics or Foods 15a, b. Pattison, Robertson.

Three hours, spring term.

36. **COOKING FOR THE SICK.** Special diets, and preparation of food for the sick and convalescent. Prerequisite Elementary Food 5a, b, c, and Food Economics, or Foods 15a, b. Should be taken as parallel with Home Nursing 35. *One hour, 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 15a, b, 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 H. A. 15a, b, or equivalent, and consent of the instructor. Tingle and Pattison. *Three hours, fall or spring term.*

102a, b. **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. Courses in sequence but may be taken separately. Tingle. *Three hours, fall and winter term.*

110a, b. **HOUSEHOLD MANAGEMENT.** The problems of the modern home-maker from both theoretical and practical point of view. First term, study of selection, cost, care, and renova-

tion 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 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 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
Graduate Assistant Miss MATHISON

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, and contains in addition three year-courses in another language, four year-courses in history, two in English, the requisite courses in pedagogy, and other subjects. Majors who do not intend to teach may substitute any electives for the courses in pedagogy.

COURSE OF STUDY FOR MAJOR STUDENTS IN LATIN

FRESHMAN	Fall	Winter	Spring
Horace, Vergil and Livy	3	3	3
Latin Prose Composition and Sight Translation.....	2	2	
Plautus, Terence, Martial			2
Elementary or second-year Greek or French	4	4	4
History (British or European)	4	4	4
Military Science(men) or Personal Hygiene(women)	1	1	1
Practical Ethics (women)	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Physical Education	1	1	1
	15	15	15
SOPHOMORE			
Latin Elegy and Drama	3	3	3
Latin Prose Composition and Sight Translation	2		
Ovid, Catullus, Caesar		2	2
Continuation of other language taken in first year.....	3-4	3-4	3-4
World History	3	3	3
Physical or biological science with labs	4	4	4
Military Science (men)	1	1	1
Physical Education	1	1	1
	17-18	17-18	17-18

	JUNIOR	Fall	Winter	Spring
Horace and Juvenal		2	2	
Tacitus				2
Cicero (course 101a,b)		2	2	
Latin Prose Composition and Sight Translation				2
Continuation of language of first and second years		3	3	3
Roman History		3	3	3
*Written English		2-3	2-3	2-3
Education 51, 52, and 53 or elective		3	3	3
		15-16	15-16	15-16
*In satisfaction of written English requirement.				
	SENIOR			
Latin Prose Composition and Sight Translation		3		
Roman Life, Mythology, and Contributions			3	
Latin Pedagogy				3
The Roman Historians (a course in the original)		3	3	3
World History		3	3	3
World Literature		2	2	2
Theory and Observation of Teaching		3		
Supervised Teaching (or elective)			3	5
Elective		1-3	1-3	
		15-17	15-17	16

DESCRIPTION OF COURSES

LOWER DIVISION

1a, b, c. BEGINNING LATIN AND CAESAR. The year will begin with the First Year Gallic War and close with the reading of two books of Caesar's Gallic War. Students must take all three terms to receive credit. 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. All three terms must be elected in order to receive credit. 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 Menaechmi; 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 PROSE COMPOSITION AND SIGHT TRANSLATION. An advanced course for which 22a, b is a prerequisite. 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. A course for which 22a, b and 101a are prerequisites. 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-Arian 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; Velleius Patereulus, with lectures on the period; Suetonius, The Lives; *Historiae Augustae*. Dunn. *Three hours, each term.*

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; MISS COPENHAVER
Graduate Assistants, MISS THURSTON, MISS HAMMER

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, and 7 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
Practical Ethics (women)	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
Physical Education	1	1	1
	17-18	17-18	17-18
SOPHOMORE			
Calculus	4	4	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 Analytic 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	Fall	Winter	Spring
Courses in Mathematics		6	6	6
Elective (including necessary education for intending teachers)		10	10	10
		<u>16</u>	<u>16</u>	<u>16</u>

DESCRIPTION OF COURSES

LOWER DIVISION

1. SOLID GEOMETRY. Copenhaver. *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. Milne, Copenhaver. *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 in 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 terms.

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 developed 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.

103 a, b. DIFFERENTIAL EQUATIONS. A practical course in the solution of Ordinary and Partial Differential Equations. Prerequisite, Course 102, 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. De Cou.

Three hours, one term.

105. THEORY OF EQUATIONS AND DETERMINANTS. An important course giving the essential principles required in various advanced studies. (Not given in 1922-23.) De Cou.

Three hours, one term.

106. SOLID ANALYTICAL GEOMETRY. An advanced course dealing with surfaces of the second degree and their properties, together with some discussions of surfaces in general. De Cou.

Three hours, one term.

107 a, 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 102. Milne.

Three hours, fall and winter terms.

108. ANALYTICAL TRIGONOMETRY. Prerequisite, Plane Trigonometry. DeCou. *Three hours, one term.*

110. PROJECTIVE GEOMETRY. Prerequisite, Courses 5 and 102. DeCou. *Three hours, one term.*

113. ADVANCED ANALYTICAL GEOMETRY. A more advanced treatment of the subject, pre-supposing Course 5, and intended for students of fair mathematical maturity. DeCou. *Three hours, one term.*

139. APPLIED MATHEMATICS. This course is intended for students of Chemistry and Physics; and embraces a rapid review of Differential and Integral Calculus, with applications to problems of Physics and Chemistry; the development of Infinite Series; elements of Differential Equations; Fourier's Theorem; Theory of Probability and Adjustment of Errors; Calculus of Variations. A course in Calculus should precede this course. Hours to be determined. McAlister. *Three hours, two terms.*

GRADUATE DIVISION

201 a, b, c. THEORY OF FUNCTIONS. An introduction to the theory of functions of real and complex variables, with applications. Prerequisites, courses 103, 113 or their equivalent. 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. (Not given in 1922-23.) Milne. *Three hours, fall term.*

203 a, b. ELASTIC VIBRATIONS. The mathematical theory of simple harmonic motion, of vibrating strings and membranes. The elementary theory of Fourier's series and of Bessel's Functions is developed in connection with the concrete physical problems. Prerequisite, course 202. (Not given in 1922-23.) Milne. *Three hours, winter and spring term.*

204 a, b, c. MATHEMATICAL SEMINAR. Conferences and reports on assigned subjects. DeCou, Milne.

MECHANICS AND ASTRONOMY

Professor McALISTER

MECHANICS

LOWER DIVISION

11a, b. **ELEMENTARY MECHANICS.** The course covers the fundamental principles of Statics and Kinetics, with applications to problems which can be solved by elementary methods. Trigonometry is a prerequisite. (Not given in 1922-23.)

Three hours, winter and spring terms.

UPPER DIVISION

101 a, 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.*

102 a, b, c. **APPLIED MECHANICS.** A course for students of architecture, including analytical statics, and strength of materials. Calculus prerequisite. *Three hours, each term.*

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.*

202. **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, one or two terms.

203. **ADVANCED ANALYTICAL MECHANICS.** Topics selected according to the needs of students, in relation to previous work and work contemplated in the future. *Four hours, one term.*

204. **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 terms.*

122. PRACTICAL ASTRONOMY. Determination of time, latitude, longitude, and azimuth by astronomical methods. A working knowledge of trigonometry is necessary. One afternoon period and 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 HARRY B. TORREY, Chairman

The University offers a seven-year course in medicine, leading at the end of the fourth year to the degree of Bachelor of Arts or of Science, and at the end of the seventh year to that of Doctor of Medicine. The curriculum of the first three years, offered at Eugene, is given below. The remaining four years are offered at Portland, in the School of Medicine, in whose announcements the full seven year curriculum is presented. The department of Medicine at Eugene is closely affiliated with the department of Zoology, under which department descriptions of the courses in animal biology and physiology appear. Dr. Torrey is head of both departments.

COURSE OF STUDY FOR THE FIRST THREE YEARS OF MEDICINE
TAKEN IN EUGENE

FRESHMAN	Fall	Winter	Spring
General Chemistry	5	5	5
Animal Biology	4	4	4
Military Science (men) or Personal Hygiene (women)	1	1	1
Practical Ethics (women)	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Physical Education	1	1	1
Electives	4-6	4-6	4-6
	15-17	15-17	15-17
SOPHOMORE			
Advanced courses in Zoology	4	4	4
Chemistry (organic; quantitative)	4	4	4
Physics	3-4	3-4	3-4
Military Science (men)	1	1	1
Physical Education	1	1	1
*Electives	4-5	4-5	4-5
	17-18	17-18	17-18

*Work in French or German should be elected in sufficient amount to insure a reading knowledge of one, or preferably of both languages. As a preparation for advanced work in physiology, biochemistry and experimental medicine mathematics through the calculus is recommended.

JUNIOR		Fall	Winter	Spring
Physiology of the Nervous System and Sense Organs	4			
Introductory Bacteriology			4	
General Physiology				4
Physical Chemistry	3			
Psychology		3		3
Written English	2-3	2-3		2-3
Elective	7-8	7-8		7-8
	16-18	16-18		16-18

The course in psychology is especially designed for students in medicine.

MILITARY SCIENCE

Majors BAIRD, ROWLAND; Captain LEWIS; 1st Lt. KNOWLES;
1st Sgt. AGULE; Tech. Sgt. POWERS

Men who complete the four-year course of study in Military Science as prescribed below will be recommended for commissions in the United States Army.

Two years of military science is required for all men during their first two years in the University.

Any member of the upper division who has completed two academic years of service in the University, who has been selected for further military training by the President of the institution and the Professor of Military Science and Tactics, and who executes a written agreement to continue in the R. O. T. C. during the remainder of his course at the University, will receive commutation of subsistence fixed by the Secretary of War, which will amount to about fifty cents per day. Two years of advanced military training cover a period of approximately five hundred and ninety days. The student would thus receive an allowance from the government of about three hundred dollars (\$300.00) for the additional time spent in the R. O. T. C.

COURSE OF STUDY FOR MAJOR STUDENTS IN MILITARY SCIENCE

FRESHMAN		Fall	Winter	Spring
Military Science	2	2	2	2
Advanced Algebra, Analytical Geometry, Trigonometry	4	4	4	4
Physics or General Chemistry	4-5	4-5	4-5	4-5
French or German	4	4	4	4
Physical Education	1	1	1	1
	15-16	15-16		15-16
SOPHOMORE		Fall	Winter	Spring
Military Science	2	2	2	2
Calculus	4	4	4	4
American History	4	4	4	4
Written English	3	3	3	3
French or German (continuation) or elective	3-4	3-4	3-4	3-4
Physical Education	1	1	1	1
	17-18	17-18		17-18

JUNIOR		<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Military Science		3	3	7
Differential Equations		3	3	3
Analytical Mechanics		3	3	3
England and the British Empire.....		4	4	
French or German or elective.....		2-3	2-3	2-3
		15-16	15-16	15-16
SENIOR				
Military Science		6	6	6
Philosophy		3	3	3
World History (second year).....		3	3	3
Elective		4-5	4-5	4-5
		16-17	16-17	16-17

DESCRIPTION OF COURSES

LOWER DIVISION

Courses 1, 2, and 3 are the minimum requirement 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. School of the Soldier; 3. School of the Squad; 4. Nomenclature of the Rifle; 5. Preliminary target instruction. *One hour, fall term.*

2. FRESHMAN BASIC COURSE. 1. School of the Company; 2. Gallery Practice; 3. Guard duty; 4. Guard mounting; 5. Signalling. *One hour, winter term.*

3. FRESHMAN BASIC COURSE. 1. School of the Company; 2. Small problems for Infantry; 3. Ceremonies; 4. Field Equipment. *One hour, spring term.*

11. FRESHMAN MILITARY SCIENCE. Same as Course 1 plus outside supplementary reading. (Text books furnished by Military Department). *Two hours, fall term.*

12. FRESHMAN MILITARY SCIENCE. Same as Course 2 plus outside supplementary reading. (Text books furnished by the Military Department). *Two hours, winter term.*

13. FRESHMAN MILITARY SCIENCE. Same as Course 3 plus outside supplementary reading. (Text books furnished by the Military Department). *Two hours, spring term.*

4. SOPHOMORE BASIC COURSE. 1. Infantry Drill; 2. Topography; 3. Leadership.
One hour, fall term.

5. SOPHOMORE BASIC COURSE. 1. Automatic Rifle; 2. Bayonet; 3. Grenades.
One hour, winter term.

6. SOPHOMORE BASIC COURSE. 1. Tactics; 2. Field combat problems; 3. Ceremonies; 4. Range practice; 5. Leadership.
One hour, spring term.

14. SOPHOMORE MILITARY SCIENCE. Same as Course 4 plus outside supplementary reading. (Text books furnished by the Military department).
Two hours, fall term.

15. SOPHOMORE MILITARY SCIENCE. Same as Course 5 plus outside supplementary reading. (Text books furnished by the Military Department).
Two hours, winter term.

16. SOPHOMORE MILITARY SCIENCE. Same as Course 6 plus outside supplementary reading. (Text books furnished by the Military Department).
Two hours, spring 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.

101. JUNIOR ADVANCED COURSE. 1. Practical work commanding Freshmen companies; 2. Military Law; 3. Gallery practice; 4. Ceremonies; 5. Leadership; 6. Rules of Land Warfare.
Three hours, fall term.

102. JUNIOR ADVANCED COURSE. 1. Field Engineering.
Three hours, winter term.

103. JUNIOR ADVANCED COURSE. 1. Ceremonies; 2. Infantry weapons; 3. Leadership; 4. Pistol practice.
Three hours, spring term.

106. ADVANCED MILITARY LAW. Elements of the common law. Baird.
Four hours, spring term.

121. SENIOR ADVANCED COURSE. 1. Practical work instructing in military subjects; 2. Military History.
Three hours, fall term.

122. SENIOR ADVANCED COURSE. 1. Tactics.

Three hours, winter term.

123. SENIOR ADVANCED COURSE. 1. Administration; 2. Pistol practice; 3. Leadership; 4. Ceremonies.

Three hours, spring term.

124. MILITARY ORGANIZATION. (To include the Division). Study of supply. Baird.

Five hours, fall term.

126. TACTICAL WALKS. This course will consist of a practical application of all the theoretical and practical instruction which the student has received during the four years of military instruction. Baird.

Five 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. The rest of the courses are primarily for majors or minors in the department, although others may be admitted under special circumstances.

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.

Four 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. *Four 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. *Four 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. Every second year, alternating with 103. *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. Every second year, alternating with 102. *Three hours, fall term.*

106. **AMERICAN PHILOSOPHY,** from Jonathan Edwards to James Royce, and Santayana. Every second year, alternating with 107. *Three hours, spring term.*

107. **ORIENTAL PHILOSOPHY.** An historical and critical survey. Every second year, alternating with 106. *Three hours, spring term.*

110. **PLATO'S REPUBLIC.** Given every second year, alternating with Course 111. *Three hours, fall term.*

111. **ARISTOTLE'S ETHICS.** Every second year, alternating with Course 110. *Three hours, fall term.*

112. **CONTINENTAL PHILOSOPHY OF THE 17TH AND 18TH CENTURIES.** Descartes, Discourse on Method, Meditations, Selections from Principles; Spinoza, Ethics; Leibnitz, New Essays and Monadology. Every second year, alternating with Course 113. *Three hours, winter term.*

113. BRITISH PHILOSOPHY OF THE 17TH AND 18TH CENTURIES. Locke's Essay, Berkeley's Principles, Hume's Enquiry. Every second year, alternating with Course 112. *Three hours, winter term.*

114. THE PHILOSOPHY OF KANT. The Critique of Pure Reason. Every second year, alternating with Course 115.

Three hours, spring term.

115. THE PHILOSOPHY OF HEGEL. The Logic. Every second year, alternating with Course 114. *Three hours, spring term.*

116 a, 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.

117. AESTHETICS. A philosophical study of the experience and import of Beauty in Nature and in Art. *Three hours, fall term.*

118. POLITICAL PHILOSOPHY. Every second year, alternating with Course 119. *Three hours, winter term.*

119. PHILOSOPHY OF RELIGION. Every second year, alternating with Course 118. *Three hours, winter term.*

120. ADVANCED THEORETICAL LOGIC. Logic as presented in the treatments of Lotze, Bradley, Bosanquet, etc. Every second year, alternating with Course 121. *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. Every second year, alternating with Course 120. *Three hours, spring term.*

GRADUATE DIVISION

201a, b, c. PHILOSOPHICAL SEMINAR.

PHYSICS

Professors BOYNTON, CASWELL; Assistant Professor PRUETT
Graduate Assistant BRAMLEY

The following course is one normally taken by men presenting for entrance $1\frac{1}{2}$ units of algebra, geometry, and elementary physics, and entering immediately upon a physics major. Slight modifications are obvious in the case of women, or of variations in the preparation of the student, and circumstances or divergence of interest may affect upper division electives.

COURSE OF STUDY FOR MAJOR STUDENTS OF PHYSICS

	FRESHMAN	Fall	Winter	Spring
Advanced Algebra, Trigonometry, Analytic Geometry	4	4	4	4
Chemistry	4	4	4	4
Foreign Language (German or French)	4	4	4	4
Mechanical Drawing	2	2	2	2
Military (men) or Personal Hygiene (women)	1	1	1	1
Practical Ethics (women)	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Physical Education	1	1	1	1
	16	16	16	16
	SOPHOMORE			
Physics, Principles	3	3	3	3
Calculus	4	4	4	4
Foreign Language (continuation)	3-4	3-4	3-4	3-4
Elective, group II or IV	2-5	2-5	2-5	2-5
Military (for men)	1	1	1	1
Physical Education	1	1	1	1
	16-17	16-17	16-17	16-17
	JUNIOR			
Theoretical Physics	3	3	3	3
Electrical Measurements	3	3	3	3
Differential Equations	3	3	3	3
Chemistry, Analytic or Organic	4	4	4	4
Written English	3	3	3	3
Elective	3	—	—	—
	16	16	16	16
	SENIOR			
Thesis	0-3	0-3	0-3	0-3
Journal Club	1-2	1-2	1-2	1-2
Physics, advanced courses	3-4	3-4	3-4	3-4
Electives	9-13	9-13	9-13	9-13
	15-17	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 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.

DESCRIPTION OF COURSES

LOWER DIVISION

1a, b, c. ESSENTIALS OF PHYSICS. An elementary course, carrying credit only for those who have not had high school physics. (a) Mechanics, molecular physics and heat. (b) Magnetism and electricity. (c) Sound and light. Two recitations and one laboratory period per week. Pruett.

Three hours, each term.

4a, b, c. GENERAL PHYSICS. Intended for students who have had physics in the high school and best taken in the sophomore year. Prescribed for students preparing for architecture and medicine. Lectures or recitations three times and laboratory or problem periods once per week. Caswell.

Four hours, each term.

7a, b, c. PRINCIPLES OF PHYSICS. A special section of the work in general physics for strong students with adequate mathematical preparation, open only to those who have had high school physics and freshman mathematics. Advised for physics and mathematics majors, and others who plan to take advanced courses in physics, and prescribed in the pre-engineering course. This course is not intended to be complete, but should be followed by Course 111. Two lectures or recitations and one laboratory period. Caswell.

Three hours, each term.

UPPER DIVISION

100. LABORATORY ARTS. The 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. Hours to be arranged. Caswell.

101. HISTORY AND TEACHING OF PHYSICS. Especially for prospective teachers of high school physics. Boynton.

Three hours, fall term.

104. SOUND. A more extended treatment than that given in the general courses, intended especially for students of music. Textbook experimental lectures and a very complete collection of lantern slides. Considerable attention is given to the scientific basis of harmony and music, and to the physics of musical instruments. May be advantageously taken in connection with the course on the Psychology of Music. Pruett.

Three hours, one term.

105. COSMIC PHYSICS. A treatment of the physical phenomena presented by the earth, atmosphere and celestial universe, such as air and ocean currents, distribution of temperature and moisture, weather observations and prediction, terrestrial magnetism, aurora and sun spots. Pruett. *Three hours, one term.*

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

Note: Courses numbered above 110 require the completion of course 4 or 7 and the Calculus as pre-requisites.

111 a, b, c. INTRODUCTION TO THEORETICAL PHYSICS. Intended particularly as a supplement to Course 7, 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 a, b, c. ELECTRICAL MEASUREMENTS. A course intended to give a familiarity with the more important electrical quantities, mainly by measurements and intercomparisons, with some reference to their practical applications. Fall term, direct currents, including a study of standards, the calibration of commercial instruments by the potentiometer, the intensity and distribution of illumination and the efficiency of incandescent lamps and the magnetic properties of iron; winter term, measurement of inductances and the introduction to alternating current theory and measurements; spring term, the measurement of capacity and the theory of transient electrical phenomena, electrical oscillations and waves, and wireless telegraphy. Two lectures and one laboratory period. Boynton.

Three hours, each term.

120. ADVANCED LABORATORY. Including senior thesis. Department staff.

Hours to be arranged.

121. THERMODYNAMICS. A study of heat and related forms of energy as applied to ideal gases, saturated vapors and other simple types of substances. Especially for students of physics and physical chemistry. Boynton.

Three hours, fall term.

122. MOLECULAR PHYSICS. A continuation of Course 121, including the kinetic theory of gases and liquids, the deduction and further discussion of van der Waals' equation and the theory of solutions. Boynton.

Three hours, winter term.

123. PHYSICAL OPTICS. A study of such typical phenomena as refraction, dispersion, interference, diffraction and polarization. Lectures and laboratory. *Three hours, spring term.*

124 a, b, c. ELECTRON THEORY. An introductory course dealing with cathode, canal and X-rays, ionization of gases, photoelectricity, radioactivity, atomic structure, thermoelectricity, metallic conduction and the fundamental phenomena of light from the standpoint of the electron theory. Caswell.

Three hours, each 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 Course 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, largely from the historical standpoint, of such topics as the Electromagnetic theory of light, the Electron theory, Relativity and the Quantum theory. Caswell.

207. ADVANCED ELECTRICAL THEORY. A study of the mathematical theory based upon Maxwell's work, with especial reference to electrical and magnetic fields, electrical oscillations and waves, and the basis of the electro magnetic theory of light. Boynton.

211. 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.

220. SEMINAR. Conferences and reports on assigned topics and current periodical literature. The department staff.

POLITICAL SCIENCE

Professor BARNETT

The department of Political Science offers two courses of study. The first is the usual course for major students in political science, including allied lines of economics and history.

The second curriculum is a special course planned in co-operation with the department of Economics and the school of Business Administration, for those who are interested in the problems of city management.

Both courses proceed to the bachelor's degree in either arts or science.

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
Practical Ethics (women).....	1/2	1/2	1/2	1/2
Physical Education	1	1	1	1
	14	14	14	14
SOPHOMORE				
City Government	4			
Economic History		4		
Constitutional Law				4
Principles of Economics	4	4		
Business Economics				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				
Public Finance	4	4		
International Law				4
Labor Problems, Organized Labor and Labor Legis.	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				
Research in Political Science.....	2	2	2	2
English Constitutional History	3	3		
American Foreign Relations				4
Political Theory		4		
League of Nations				4
Logic, Ethics and Introduction to Philosophy.....	4	4	4	4
Principles of Sociology	5	5		
Elective	3			8
	17	18	17	17

COURSE OF STUDY FOR CITY MANAGERS

FRESHMAN	Fall	Winter	Spring
Modern Governments	4	4	4
Elementary Accounting	5	5	5
Physical Education	1	1	1
Military Science (men) or Personal Hygiene (women)	1	1	1
Practical Ethics (women)	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Economic History			4
Elective	4	4	
	<u>15</u>	<u>15</u>	<u>15</u>
SOPHOMORE			
Principles of Economics	4	4	
Constitutional Law			4
Constructive Accounting	5	5	
Economics of Business			4
Written English	3	3	3
Physical Education	1	1	1
Military Science	1	1	1
Elective	2	2	2
	<u>16</u>	<u>16</u>	<u>15</u>
JUNIOR			
City Government	4		
Business Finance		5	
Labor Problems			4
Trusts and Monopolies	5		
Government Control of Natural Monopolies.....		5	
Modern Industrial Tendencies			5
Contracts	4		
Bills and Notes and Agency		4	
Law of Unfair Competition.....			4
Elective	2-3	2-3	2-3
	<u>15-16</u>	<u>16-17</u>	<u>15-16</u>
SENIOR			
Public Finance	4	4	
Conservation of Natural Monopolies.....			4
Public Commissions	4		
Labor Legislation		4	
Business Management			5
Labor Management	4		
Public Utilities Accounting		5	
Electives	3	3	6
	<u>15</u>	<u>16</u>	<u>15</u>

DESCRIPTION OF COURSES

LOWER DIVISION

1a, b, c. MODERN GOVERNMENTS. (a) American National Government. The national government, with special attention to practical operation and contemporary reforms. (b) State and local governments. The state and local governments, with special

attention to practical operation and contemporary reforms in Oregon. (c) 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.*

2. INTRODUCTION TO LAW. An introductory study of the nature and sources of law, the history of English and American law, and the organization and operation of the courts, followed by a general consideration of the principal branches of the common law. Practice in the use of cases. *Four hours, fall term.*

UPPER DIVISION

101. CONSTITUTIONAL LAW. A study of the federal constitution as interpreted by the courts. Chiefly a discussion of leading cases. It is desirable that this course be preceded by Political Science 2. *Four hours, spring 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. It is desirable that this course be preceded by Political Science 2. *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. LEAGUE OF NATIONS. The history and present status of the various forms of international organization, with special attention to the League of Nations. *Four hours, 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.

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 work of 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
General Chemistry	4	4	4
German or French*	4	4	4
Mechanical Drawing	2	2	2
Descriptive Geometry	2	2	
Advanced Mechanical Drawing			2
Physical Education	1	1	1
Military Science	1	1	1
	18	18	18

*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

Calculus	4	4	4
Principles of Physics	3	3	3
French, German or Spanish	3-4	3-4	3-4
Analytical Chemistry	3-4	3-4	
Dynamic Geology			4
Physical Education	1	1	1
Military Science	1	1	1
Elective, chosen from electives of the Junior year.....	2-4	2-4	2-4
	17-19	17-19	17-19

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 letter or 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		
Strength of Materials		4	4
Introduction to Theoretical Physics	3	3-5	3-5
Principles of Economics	4	4	
Advanced Economics			4
English	2-3	2-3	2-3

ELECTIVE SUBJECTS	Fall	Winter	Spring
Lettering (ce)	2		
Surveying (cem)		2	2
Analytical Mechanics (ce)	3	3	3
Electrical Measurements (e)	3	3	3
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
Principles of Accounting	4	4	4
	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

Professors CONKLIN, WHEELER

Assistant Professors CROSLAND, YOUNG; Miss HAGER

Graduate Assistants, Mr. CUTSWORTH, Mr. HULIN

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
Practical Ethics (women)	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Physical Education	1	1	1
Elective	2-3	2-3	2-3
	16-17	16-17	16-17
SOPHOMORE	Fall	Winter	Spring
Social and Elementary 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 Education 51, 52, 53. 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	Fall	Winter	Spring
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	4	4	4
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
Practical Ethics (women)	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Physical Education	1	1	1
Elective	2-3	2-3	2-3
	16	16	16

SOPHOMORE

Social Psychology and Elementary 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
	<u>16</u>	<u>16</u>	<u>16</u>

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
*Elective	8-9	5-9	8-9
	<u>16-17</u>	<u>16-17</u>	<u>16-17</u>

*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

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	4	4	4
Elective	3-5	2-5	3-5
	<u>15-17</u>	<u>15-17</u>	<u>15-17</u>

APPLIED PSYCHOLOGY PROGRAM

The following five year course of study (four years undergraduate, and the fifth year graduate) 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		4	
Military Science (men) or Personal Hygiene (women)	1	1	1
Practical Ethics (women)	1 ½	1 ½	1 ½
Physical Education	1	1	1
Elective	3-4	2-3	6-7
	<u>16-17</u>	<u>16-17</u>	<u>16-17</u>

SOPHOMORE

Social and Elementary Psychology.....	4	4	4
French or German (continuation).....	3-4	3-4	3-4
Principles of Economics	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

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

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

GRADUATE

Adolescence	3	3	3
Methodology	3		
History of Psychology		3	
History Seminar, or Principles of Psychoanalysis, or Attention and Perception.....			2-3
Advanced Laboratory Psychology	2	2	2
Electives:			
Advanced Experimental	2		
Behaviorism		2	
Higher Thought Processes			2
Research and Thesis	3	3	3
Introduction to Philanthropy	2	2	2
Sociological Systems	5	5	
Theory of Social Progress.....	3	3	
Cooperation and New Guild.....			3

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 minoring 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. Registration should be made in the fall term in one of the courses in Social Psychology, Vocational Psychology, or Advertising Psychology. Selection between these should be made according to the special interest of the student so far as possible. Each of these courses is followed in the winter and spring terms by Courses 1a and b, 11a and b. If a student takes the entire year of work, he will cover the same general psychological topics, the difference being primarily one of emphasis and arrangement.

Credit will be given for the fall term's work alone, but courses 1a, b and 11a, b are considered as units.

The science group requirement may be satisfied by taking the three consecutive terms of work with laboratory.

21. SOCIAL PSYCHOLOGY. A study of the instincts, emotions, sentiments, self, and individual differences. Conklin, Crosland, Young. *Three hours, fall term.*

31. SOCIAL PSYCHOLOGY. Course 21 with the addition of one laboratory period per week. Conklin, Crosland, Young, Hager. *Four hours, fall term.*

22. VOCATIONAL PSYCHOLOGY. The psychological aspects of vocational problems, personnel and elementary testing, fatigue, mental attitudes, etc. Young. *Three hours, fall term.*

23. ADVERTISING PSYCHOLOGY. Elementary psychological problems as they arise in and are illustrated by advertising. Crosland. *Three hours, fall term.*

24a, b. GENERAL PSYCHOLOGY (Pre-medical course). A special intensive course for the phenomena, technique and interpretations of normal psychology arranged for pre-medical students. *Three or four hours, two terms.*

32. VOCATIONAL PSYCHOLOGY. Course 22 with the addition of one laboratory period per week. Young, Crosland. *Four hours, fall term.*

33. ADVERTISING PSYCHOLOGY. Course 23 with the addition of one laboratory period per week. Crosland, Hager. *Four hours, fall term.*

1a, b. **ELEMENTARY GENERAL PSYCHOLOGY.** Lectures, discussions and classroom demonstrations covering largely from the experimental point of view the elements of consciousness, their relation to the nervous system and the phenomena of sensation, habit, attention, association, learning, memory, perception, imagination, reasoning and will. Arranged in five sections to coordinate with the work given in the fall term. Students should take that section in the winter term which comes at the same hour as the section in which they were registered in the fall term. Department staff. *Three hours, winter and spring terms.*

11a, b. **ELEMENTARY GENERAL PSYCHOLOGY.** Course 1a, b, with the addition of one laboratory period per week. Department staff. *Four hours, winter and spring terms.*

UPPER DIVISION

103 a, b, c. **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. - Wheeler. *Three hours, each term.*

104. **ABNORMAL PSYCHOLOGY.** Traits and theories of hysterical phenomena, insanity and the borderland phenomena. Conklin. *Three hours, one term.*

105. **MENTAL HYGIENE.** The conditions of efficient mental activity, methods and results of the fatigue studies, hygiene of the emotions and intellectual processes. (Temporarily withdrawn.) Conklin. *Three hours, one term.*

106 a,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. Courses 1 and 103 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. Wheeler. *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. Wheeler. *Three hours, one term.*

110. **THE INDIVIDUAL AND THE GROUP.** An advanced course in 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.*

112. **RACIAL PSYCHOLOGY.** Racial differences in mental traits, racial development, and the spread of cultural areas. Young. *Three hours, one term.*

113. **PROBLEMS IN EMPLOYMENT PSYCHOLOGY AND PERSONNEL.** Applications of psychology to employment problems, vocational testing, personnel work. Prerequisite: Course 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.*

117 a, b, c. **ADVANCED LABORATORY.** A thorough training in laboratory technique as used in the problems of general psychology. Crosland. *Two hours, three terms.*

120. **COMPARATIVE PSYCHOLOGY.** A study of the behavior of living organisms with a comparison of the mental life of animals with that of man. (This course has been temporarily withdrawn). Wheeler. *Three hours, one term.*

121. **PSYCHOLOGY OF MUSIC.** Psychological aspects of musical appreciation, musical talent and the pedagogy of music. (Temporarily withdrawn). Wheeler. *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. This course is a prerequisite to

Courses 108, 113, and is desirable before taking 111, 203, and certain of the laboratory courses. Young.

Two hours, one 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.

202. SEMINAR IN HISTORY OF PSYCHOLOGY. A continuation of Course 201, for which that course or its equivalent is an indispensable prerequisite. Here the history of special subjects or schools of thought is intensively studied by individual assignment. Conklin.

Two hours, one term.

203. METHODOLOGY. A comparative study of the various methods used in psychological research. Conklin.

Two hours, one term.

204. PSYCHOANALYTIC THEORY. An intensive study of the literature of psychoanalytic psychology. (Should be preceded by Course 122 or its equivalent.) Conklin.

Two hours, one term.

205. ADVANCED EXPERIMENTAL PSYCHOLOGY. An intensive training in the introspective method and its application to experimental problems. Designed to train the student to introspect. 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 advanced psychology, involving the problems of nerve regeneration and degeneration, localization of function, the nerve structure and function underlying speech, etc. A continuation of the work offered in Systematic Psychology (103). 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 PROCESSES 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. A 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. The course involves a critical analysis of psychophysical parallelism in its various forms and other attempts to envisage the mind-body relation, and a detailed discussion of the problem of structure versus function in psychology. (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. The course will also treat of the symbolic nature of memory phenomena tending toward a treatment of abstraction and conception. 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 will be presented, and special attention will be given to the modern conception of attention and perception so influential in

medicine, psychiatry, ethics, and education. The course will be primarily one dealing with cortical and cerebral mechanisms of an organized, assimilated, apperceptive nature; and the dynamic, perseverative, projective nature of these organized mechanisms in experience. The course will show how easily the phenomena of attention and perception, including the phenomena of apperception, can be regarded as stepping stones from normality to abnormality, as comprising a list of phenomena making the "borderland" between mental health and mental disease. 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. (Not offered in 1921-22, but may be offered in 1922-1923.) 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. (Not offered 1922-23.) Young.

Three hours, one term.

215 a, 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 CUEVAS, Miss ESPINOSA, Miss GOUY, Miss GRAY, Miss WHITE
Graduate Assistant, Miss DUBUY

Freshman 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, 103, 105 and 106. Similarly those planning to teach Spanish should take at least Courses 11, 12, 113, 115 and 117 or 160.

Classes 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 MAJOR STUDENTS IN ROMANCE
LANGUAGES

FRESHMAN	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
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
Practical Ethics (women)	1/2	1/2	1/2
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 in- tending 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

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. *Four hours, each term.*

2a, b, c. SECOND YEAR FRENCH. Review of grammar, composition, conversation, translation of modern French authors. Fayard-Coon, Gray, Gouy. *Four hours, each term.*

3a, b. SECOND YEAR FRENCH. An abridgment of course 2 for students beginning the course in the winter term. Gray. *Five hours, winter and spring terms.*

8a, b, c. SECOND YEAR FRENCH, SCIENTIFIC. Reading of scientific French, review of grammar. 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, c. SECOND YEAR SPANISH. An abridgment of course 12 for students beginning the course in the winter term. Whyte. *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. Pre-requisite, Spanish 11, or two years high school Spanish. Whyte. *Four 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 seventeenth, eighteenth and nineteenth centuries. Cloran. *Three hours, each term.*

105a, b, c. FRENCH CONVERSATION AND COMPOSITION. (Third year French.) Fayard-Coon, Gouy. *Three hours, each term.*

106a, 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). Thors-tenberg. *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.*

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. Cloran. *Three 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). *Two hours, each term.*

120a, b, c. ELEMENTARY ITALIAN. Grammar, composition and translation of modern authors. Cloran. *Three hours, each term.*

130a, b, c. ELEMENTARY PORTUGUESE. Branner's Portuguese Grammar. Reading 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. 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 course 207a, b, c. History of French literature. Cloran.

Three hours, each term.

217a, b, c. SPANISH LITERATURE. A course similar in character and purpose to 207a, b, c. Cloran. *Three hours, each term.*

218a, b, c. SPANISH LITERATURE. A continuation of course 217a, b, c. 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.

SOCIOLOGY

For courses in Sociology see the section under the School of Sociology.

SPANISH

See Romance Languages,

SCANDINAVIAN

See Germanic Languages and Literature.

SWEDISH

See Germanic Languages and Literature.

ZOOLOGY

Professor TORREY; Assistant Professors LANCEFIELD, YOCOM;
Mr. HORNING

Courses 1, 105 and 106 are service courses for all departments.

Major work in zoology will comprise:

1. (a) Course 1—Normally a first year course.
- (b) 30 units of upper division courses to be selected, in consultation with the department, according to the interest of the individual student.
- (c) At least 5 units under (b) of research—normally a senior course.
- (d) A dissertation based on (c).
2. Chemistry 1, (normally a first year course) one year of college physics, and one year of another natural science or mathematics.
3. Reading knowledge of French or German—both languages if possible.
4. Fulfillment of group and all other requirements of the University for the 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 units from graduate or Upper Division courses constitute a minor in zoology for the Master's degree. Zoology and Chemistry 1 are prerequisite to the minor.

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 general conditions governing candidacy for the degree of doctor of philosophy are to be found in the section devoted to the Graduate School. Courses will be arranged in consultation with the major professor to satisfy individual needs.

Prospective teachers of animal biology should consult the department as soon as possible regarding the appropriate courses to select. Ordinarily the latter will include 1, 4, 5, 101, 103, 105, 106, 107, 110, 120.

DESCRIPTION OF COURSES

LOWER DIVISION

1a, b, c. ANIMAL BIOLOGY. A general introduction to the fundamental principles 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 1. 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 microscopical examination, involving the theory and practice of fixation, sectioning, staining, etc. A reading and laboratory course. Prerequisite, Course 1. Yocom.

One hour, spring term.

UPPER DIVISION

101a. HUMAN PHYSIOLOGY. Pre-requisites, Course 1 and elementary chemistry. 101a deals with the physiology of muscle and the nervous system, including the sense organs. Three lectures and one laboratory period. Lancefield.

Four hours, fall term.

101b. HUMAN PHYSIOLOGY. This course is a continuation of 101a but may be taken independently. 101b deals with the physiology of the circulation, respiration, nutrition, excretion, and other subjects not treated in 101a. Three lectures and one laboratory period. Lancefield.

Four hours, winter term.

102. GENERAL PHYSIOLOGY. Prerequisites, elementary physics and chemistry, and organic chemistry. A study of the processes of cell metabolism of a general and fundamental nature, in terms of physics and chemistry, in so far as is possible. Two lectures, one laboratory period. Lancefield. *Three hours, spring term.*

103. EMBRYOLOGY. Based on the development of the chick. Prerequisite, Course 1. Yocom. *Four hours, winter term.*

104. ADVANCED EMBRYOLOGY. An advanced course dealing with the morphology and physiology of development. Work on the early development of some mammal or of an experimental character on the fundamental growth processes in some of the lower forms. Lectures, conferences, reports and laboratory work. Material in the main will be collected and prepared for study by the student himself. Prerequisite, Course 103. Yocom.

Four hours, spring term.

105. ORGANIC EVOLUTION. Open to upper division students without prerequisite. Lancefield. *Two hours, fall term.*

106. HEREDITY AND EUGENICS. A continuation of 105. Lancefield. *Two hours, winter term.*

107. CYTOLOGY AND COMPARATIVE HISTOLOGY. A study of the cell as the unit of structure and function in organisms. Prerequisite, Course 1. Yocom. *Four hours, fall term.*

108. VERTEBRATE ANATOMY. One lecture and nine hours of laboratory work. Yocom. *Four hours, fall term.*

109. MAMMALIAN ANATOMY. One lecture and nine hours of laboratory work. Yocom. *Four hours, winter term.*

110. ADVANCED INVERTEBRATE ZOOLOGY. This course will deal with the Morphology, Taxonomy, habits, habitats, and life histories of the Invertebrates, with special emphasis put on a study of the local fauna in its relation to its environment. Lectures, readings, laboratory and field work, with reports. Prerequisite, Course 1. Yocom. *Four hours, spring term.*

115. GENETICS. An advanced course dealing with the facts obtained in breeding experiments in plants and animals, and with the physical basis of heredity as found in the cell and the mechan-

ism of distribution of the genes. Open to students who are familiar with the principles of simple Mendelian heredity. Two lectures and one laboratory period. Lancefield. *Three hours, spring term.*

120. SPECIAL PROBLEMS. Hours to be arranged. Department staff. *Each term.*

GRADUATE DIVISION

201a, b, c. SEMINAR. Torrey. *Each term.*

203a, b, c. RESEARCH. Topics to be arranged upon consultation with the professor in charge of the student's work. Torrey, Yocom, Lancefield.

204a, b, c. PROBLEMS IN CYTOLOGY. Yocom.

205a, b, c. GENETICS. Lancefield.

206a, b, c. EXPERIMENTAL ANALYSIS OF GROWTH AND DIFFERENTIATION. Torrey.

207. THE BEHAVIOR OF ORGANISMS. Torrey.

SCHOOL OF ARCHITECTURE AND ALLIED ARTS

THE FACULTY

P. L. CAMPBELL, B.A., LL.D.....	<i>President of the University</i>
ELLIS FULLER LAWRENCE, S.M., F.A.I.A.....	<i>Dean of School,</i>
	<i>Professor of Architecture</i>
PERCY PAGET ADAMS, B.A., B.S.....	<i>Professor of Graphics and</i>
	<i>Assistant to the Dean</i>
VICTORIA AVAKIAN.....	<i>Instructor in Normal and Industrial Art</i>
AVARD FAIRBANKS.....	<i>Assistant Professor of Sculpture</i>
MAUDE KERNS, B.A., B.S.....	<i>Assistant Professor of Normal Art</i>
HARVEY M. KING, B.S.....	<i>Associate Professor of Architecture</i>
CAMILLA LEACH.....	<i>Art Librarian</i>
EDWARD H. MCALISTER, M.A.....	<i>Professor of Structures</i>
LOUIS C. ROSENBERG.....	<i>Professor of Architectural Design</i>
ALFRED H. SCHROFF.....	<i>Professor of Fine Arts</i>

ORGANIZATION AND DEGREES

The School of Architecture and Allied Arts was organized in 1914. The degree of Bachelor of Science in Architecture is offered for the completion of the prescribed professional courses in Architecture. The degree of Bachelor of Arts is offered those majoring in the Art Departments who comply with the general University requirements for that degree. The school offers training for students contemplating careers in architecture, painting, modeling, illustration, various forms of commercial arts, structural design and contracting. 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. The course has been approved by the Oregon Chapter of the American Institute of Architects.

ADVISERS

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

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

ADMISSION TO THE SCHOOL OF ARCHITECTURE

Students majoring in Art courses in the School of Architecture and Allied Arts are subject to the general entrance requirements of the University, while those majoring in Architecture have special entrance requirements, as described below.

(a) Fixed requirements 10 units:

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

(b) Elective subjects, 5 units to be presented. These may be selected from any of the subjects for which standard high schools give credits toward graduation and may include additional work in the above required subjects. Additional units in English are especially desirable.

For further information concerning entrance requirements, excess matriculation credits and special student standing, see 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 years work in architectural design is greatest. Other prizes are; the Bennes prizes of \$20 and \$5 for two juniors whose improvement is most marked in the junior year; the Miles prizes of \$20 and \$5 for the two sophomores whose records are highest; the Reed prizes of \$10 and \$5 to the best freshmen in design with an additional \$10 and \$5 to the best students in domestic design.

The alumni of the school have here offered a prize for the best design submitted for the first project of the spring term among the seniors. The Whitehouse prizes of \$25, \$15 and \$10 each will be awarded to the three students presenting the best data books at the end of the term.

For the work of the students in fine arts a prize of \$15 is offered for the best work in life class, one of \$5 for the best in design under Professor Schroff and another of \$5 for work in

the art of the book, all of these being offered by Mr. Bennes of Portland.

The Holford prizes of \$20 and \$5 are offered for the two best water color sketches submitted by the opening of the fall term and the Bennes prize of \$10 will go to best portrait study in either bas relief or in the round. Another of \$15 will be presented to the student completing the best original composition in sculpture.

Students in the normal arts courses will receive the following prizes: The Bennes prizes of \$3 each for the best work in freshman design, sophomore design and pedagogy of art. The Dean prizes of \$3 each will be given for the best work in home decoration, weaving and pottery.

ARCHITECTURE

ARCHITECTURAL DESIGN

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

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

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

topography is given and the problems in Architectural Design associated definitely with living conditions and other practical considerations.

JURIES AND JUDGMENTS

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

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.

GRADING IN ARCHITECTURAL DESIGN

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

COURSES OF STUDY IN ARCHITECTURE

DESIGN OPTION

Dean Lawrence in Charge

FRESHMAN	Fall	Winter	Spring
Beginning Language: French, German or Spanish.....	4	4	4
General Chemistry	4	4	
Descriptive Geometry	2	2	
Advanced Algebra		4	
Trigonometry			4
Architectural Design, Elements	1	1	1
Shades and Shadows.....			2
Geology of Building Materials.....			3
Drawing	2	1	1
Color Theory	1	1	1
Military Science (men) or Personal Hygiene (women)	1	1	1
Practical Ethics (women)	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
Physical Education	1	1	1
	<u>16</u>	<u>19</u>	<u>18</u>

SOPHOMORE

Second Year Language	4		
General Physics	4	4	4
Architectural Design, Sophomore	2	3	4
Architectural History, Sophomore	1	1	1
Analytic Geometry	4		
Calculus		4	4
Written English	2	2	2
Water Color		1	1
Perspective		2	
Research in Ornament and Style.....			1
Physical Education	1	1	1
Military Science	1	1	1
	19	19	19

JUNIOR

Principles of Economics.....	4	4	
Applied Mechanics	3	3	3
Architectural History	2	2	2
Architectural Design, Junior	4	4	5
Research in Ornament and Style.....	1	2	1
Domestic Architecture	1	1	1
Specifications	1	1	1
Pen and Pencil	1	1	1
Life Class	1	1	2
Water Color	1		
	19	19	17

SENIOR

Civilization and Art Epochs.....	2	2	2
City Planning	1	1	1
Architectural Design, Senior	6	7	7
Constructive Design	2	2	2
Ethics and Business Relations.....	1	1	1
Modeling	1	1	1
Life Class			2
Special Subjects	1		
Sanitary Science and Public Health.....		1	1
Building Materials and Constructive Types.....	1		
Graphic Statics	2	2	
Cartoons for Mural and Stained Glass.....		1	1
	17	18	18

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
Analytical Geometry	4		
Calculus		4	4
Architectural History	1	1	1
Drawing	2	1	1
Architectural Design	3	2	1
Working Drawings	3	2	
Elementary Mechanics		3	3
Geology of Building Materials.....			3
Physical Training	1	1	1
Military Science	1	1	1
	19	19	19

JUNIOR

Mechanics	3	3	3
Architectural History	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
	<u>17</u>	<u>19</u>	<u>19</u>

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			5
	<u>17</u>	<u>17</u>	<u>17</u>

FINE ARTS

The aim of the Fine Arts Course is not primarily to produce artists and sculptors, but to teach the actual practice of art, not by lectures only, but by every means intensively and with energy calculated to refine the powers of observation of eye, and, in cooperation with the School of Music, the perceptions of the ear. It is felt that the student's powers of observation may be strengthened and refined by some thorough practice in art, the works of which are to be appreciated in after life, and that his sphere of possible art pleasure may be greatly increased and refined thereby, thus widening out the student's taste, making it more catholic and universal.

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

COURSE OF STUDY IN FINE ARTS
Professor Schroff in Charge

FRESHMAN	Fall	Winter	Spring
Foreign Language	4	4	4
Science or Social Science requirement.....	3-4	3-4	3-4
Art Appreciation	1	1	1
Life Class	1	1	1
Modeling	1	1	1
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
Practical Ethics (women)	1/3	1/3	1/3
Electives	4-5	4-5	4-5
	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
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
Principles and Practice of Decorative Design.....	2	2	2
Life Class	4	4	4
Advanced Modeling	1	1	1
Written English	3	3	3
Elective	3	3	3
	16	16	16
SENIOR			
Life Class	4	4	4
Mural Decoration and Stained Glass.....	1	1	1
Principles and Practice of 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, 91	2	2	2
Representation I, 93	1	1	1
Life Class 31	1	1	1
Art Appreciation 41	1	1	1
Modeling 24	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:			
Practical Ethics (women).....	1/2	1/2	1/2
Physical Education	1	1	1
Personal Hygiene	1	1	1
	<u>15-16</u>	<u>15-16</u>	<u>15-16</u>

SOPHOMORE

Major Subjects (required):			
Design II, 92	2	2	2
Representation II, 94	1	1	1
Life and Costume, 96.....	1	1	1
Instrumental Drawing, 53	1	1	1
Minor Subjects:			
French (required)	3-4	3-4	3-4
Education, 51, 52, 53.....	3	3	3
Written English	3	3	3
Physical Education	1	1	1
	<u>15-16</u>	<u>15-16</u>	<u>15-16</u>

JUNIOR

Major Subjects (required):			
Pedagogy, 191	2	2	2
Dress Design, 195	3	3	3
Pen and Pencil, 110.....	1	1	1
Modeling, 144	1	1	1
Life, 131	1	1	1
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
	<u>16-17</u>	<u>16-17</u>	<u>16-17</u>

SENIOR

Major Subjects (required):			
Home Decoration, 197	3	3	3
Applied Design, 192	2	2	2
Civilization and Art Epochs, 141.....	2	2	2
Supervised Teaching, 107 Educ.....	4	4	4
Life Class, 131	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
	<u>16</u>	<u>16</u>	<u>16</u>

DESCRIPTION OF COURSES

LOWER DIVISION

1a, b, c. ARCHITECTURAL DESIGN ELEMENTS. Freshman. The relations of composition, mass and line as applied to architecture. Simple problems are drawn and rendered, and the sense of proportion, scale and composition is further developed by the actual making of cardboard models. Lawrence, King.

One hour, each term.

2a, b, c. ARCHITECTURAL DESIGN. Sophomore. Architectural drawings are made and rendered; the Orders of Architecture studied and incorporated in the problems. Frequent sketch problems are executed in order to develop facility and resourcefulness in correct design. Lawrence, King.

Two hours, fall term; Three hours, winter term; Four hours, spring term.

3a, b, c. ARCHITECTURAL HISTORY. The student is required to make pencil sketches from lantern slides thrown on the screen. These sketches are supplemented by notes obtained from lectures and research. Egyptian, Assyrian, Persian, Greek, Roman, and Byzantine styles. Lawrence.

One hour, each term.

4a. RESEARCH IN ORNAMENT AND STYLE. Sophomore. A study of the characteristics of a certain style of Architecture. The results of this study are incorporated in a carefully rendered drawing. Lawrence, King.

One hour, spring term.

UPPER DIVISION

101a, b, c. ARCHITECTURAL DESIGN. Junior. A continuation of Course 2. Plans, elevations, sections, and perspectives rendered, and studied in their relations to one another. Problems in which the consideration of actual conditions of material, location, limitations of environment, etc., must be worked out. As far as possible this is correlated with the courses in City Planning and Domestic Architecture. Lawrence, King.

Four hours, fall and winter terms; Five hours, spring term.

102a, b, c. ARCHITECTURAL DESIGN. Senior. A continuation of Course 101, carrying on the practical adaptation of principles of aesthetic and structural design to conditions that arise in building construction. Lawrence, King.

Six hours, fall term; Seven hours, winter and spring terms.

103a, b, c. ARCHITECTURAL HISTORY. Junior. This is a continuation of Course 3, and covers the field of Romanesque, Gothic, Renaissance, and Modern Architecture. Lawrence.

Two hours, each term.

104a, b, c. RESEARCH IN ORNAMENT AND STYLE. Junior. The student continues the work of Course 4. Lawrence, King.

One hour, fall and spring; Two hours, winter term.

105a, b, c. DOMESTIC ARCHITECTURE. Junior. Problems involved in planning residences, such as arrangement of floor plans, site of building, elevations, landscape gardening, interior decoration and furniture, etc. Sketches and rendered drawings. Lawrence.

One hour, each term.

106a, b, c. SPECIFICATIONS AND WORKING DRAWINGS. A study of building operations and materials to enable the student to write specifications intelligently and concisely. When opportunity offers, actual building operations are visited and methods observed. King.

One hour, each term.

107a, b, c. ADVANCED DOMESTIC ARCHITECTURE. A continuation of Course 105 for advanced students. Lawrence.

Number of credits to be arranged.

108a, b, c. ELEMENTS OF CITY PLANNING. The correct layout for a city is studied, seeking to harmonize the various requirements such as residential sections, business section, traffic arteries, streets, civic centers, etc. Actual government or municipal topography maps are used for the basis of the study. A city plan is carefully drawn and rendered. Lawrence.

One hour, each term.

109a, b, c. ETHICS AND BUSINESS RELATIONS. Matters concerning the conduct of business and professional ethics in their relations to the architectural profession. Business and professional relations between Owner, Architect, and Contractor. Methods of office management. Lawrence.

One hour, each term.

110a, b, c. PEN AND PENCIL. The use of the pen and pencil in making rendered drawings. Studies in composition and rendering are carefully executed, with special emphasis on the values of lights and shades. King.

One hour, each term.

111. ARCHITECTURAL HISTORY, ADVANCED. Lawrence.

One hour, fall 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.

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.

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 lot lines; to plot field notes; to make contour maps and profiles; to perform simple calculations of area and earthwork.

Two hours, winter and spring terms.

UPPER DIVISION

161a, 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 relation to the different types of structures; such as stone, concrete, iron, steel, wood, tile, etc. Adams. *One hour, fall term.*

169a, b, c. CONSTRUCTIVE DESIGN. For Design Option students. A brief study of the calculations and design of trusses in wood and steel; plate girders; reinforced concrete. McAlister. Adams. *Two hours, each 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; lintels; 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 considerations 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

22a, b, c. WATER COLOR AND OIL PAINTING. Still life studies of drapery, landscape, etc. Outdoor work from nature when weather permits. Representation and composition only are studied in this course. The mediums used are oil, water color, charcoal, pencil, etc. Enrollment limited. *One hour, each term.*

23a, b, c. COLOR THEORY. The prismatic and pigment theories are both discussed and demonstrated, together with practical problems covering the subjects of balance, chroma, color relations in areas and intensities, all leading up to the science of Color Harmony. *One hour, each term.*

24a, b, c. 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

31a, b, c. LIFE CLASS. Studies of the nude form from living models.

One or two hours, each term.

41a, b, c. ART APPRECIATION. Intended for the general student who is interested in, but not specializing in, Art. Art history, decorative art, biographies of painters and sculptors, etc.

Exhibitions of color plates, photographs, lantern slides and casts. Research work in the Art Library. *One hour, each term.*

42 a, 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 commerce majors. Schreff. *Two hours, each term.*

UPPER DIVISION

131a, b, c. LIFE CLASS. A continuation of course 31, conducted in the same manner. Enrollment limited.

One or two hours, each term.

132a, b, c. CARTOONS FOR MURALS AND STAINED GLASS. Practical problems worked out in the studio, leading to the production of actual work in stained glass, and interior decoration. Only those students who have learned to draw the human figure and to create in color are eligible for this course. *One hour, each term.*

141a, 141b, 141c. CIVILIZATION AND ART EPOCHS. Lectures covering history, archaeology and evolution of all the art 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, color plates, etc. *Two hours, each term.*

142a, 142b, 142c. 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.

143a, 143b, 143c. PRINCIPLES AND PRACTICE OF DECORATIVE DESIGN; ADVANCED. A further development of the principles and application worked out in Course 142.

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, without credit.

Winter 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. **FIRST YEAR DESIGN.** 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. **SECOND YEAR DESIGN.** 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.** Principles of perspective. Proportion and the accurate rendering of form in studies of still life, flowers and plant form, interiors and landscape, expressed through line, dark and light and color, using methods applicable to the presentation of the subject in grade and high schools. Emphasis placed 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.

94a, b, c. **REPRESENTATION.** A continuation of course 93 with more advanced problems along the same lines. Prerequisite 93 a, 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 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. 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 bookbinding, including such problems as the making of blotter pads, boxes, portfolios, loose leaf covers and the sewing and binding of books. 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. Aim of course to lead 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 paid 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 dyeing of materials. Vari-

ous 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. The construction of simple handlooms for use in the grades and the making of articles adapted to the needs and ability of the students. The warping and setting up a four harness footpower loom for more advanced weaving. Both "laid in" and heddled 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 trip to local mill for 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. 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 ADMINIS- TRATION

THE FACULTY

PRINCE L. CAMPBELL, B.A., LL.D. (Colorado).....	<i>President of the University</i>
EDWIN CLYDE ROBBINS, Ph.D. (Columbia).....	<i>Dean</i>
MADELINE MCMANUS, Ph.B. (Chicago).....	<i>Secretary</i>
CARLTON E. SPENCER, LL.B. (Oregon).....	<i>Registrar of the University</i>
M. H. DOUGLASS, M.A. (Grinnell).....	<i>Librarian</i>

JAMES D. BARNETT, Ph.D. (Wisconsin).....	<i>Professor of Political Science</i>
THOMAS J. BOLITHO, B.A. (Washington State).....	<i>Professor of Accounting</i>
MERTON K. CAMERON, Ph.D. (Harvard).....	<i>Professor of Economics</i>
PETER C. CROCKATT, M.A. (Oregon).....	<i>Professor of Economics</i>
EDWARD H. DECKER, LL.B. (Michigan).....	<i>Professor of Law</i>
EDGAR E. DECOU, M.S. (Chicago).....	<i>Professor of Mathematics</i>
FRANKLIN E. FOLTS, B.A. (Oregon).....	<i>Professor of Banking and Finance</i>
JAMES H. GILBERT, Ph.D. (Columbia).....	<i>Professor of Economics</i>
WILLIAM GREEN HALE, LL.B. (Harvard).....	<i>Dean of the School of Law</i>
CARLTON M. HOGAN, M.A. (Illinois).....	<i>Professor of General Business</i>
PHILIP JANNEY, B.A. (Oregon).....	<i>Instructor in Accounting</i>
ALFRED L. LOMAX (Washington).....	<i>Professor of Foreign Trade</i>
VERNE R. McDOUGLE, M.A. (Oregon).....	<i>Professor of Accounting</i>
R. JUSTIN MILLER, J.D. (Stanford).....	<i>Professor of Law</i>
ROLAND M. MILLER, M.A. (British Columbia).....	<i>Professor of Labor Management</i>
WILLIAM EDMUND MILNE, Ph.D. (Harvard).....	<i>Professor of Mathematics</i>
FRANK R. RUTTER, Ph.D. (John Hopkins).....	<i>Professor of Foreign Trade</i>
MELVIN T. SOLVE, B.A. (Oregon).....	<i>Written and Spoken Business English</i>
SAM BASS WARNER, LL.B. (Harvard).....	<i>Professor of Law</i>
CLARENCE D. THORPE, M.A. (Michigan).....	<i>Professor of Written and Spoken Business English</i>
JOHN R. WHITAKER, B.S. (Pennsylvania).....	<i>Professor of Marketing and Selling</i>
FLORENCE WHYTE, B.A. (California).....	<i>Instructor in Spanish</i>

ORGANIZATION AND PURPOSE

The University of Oregon recognizes that the laws which determine sound business administration are capable of scientific demonstration and class room analysis in much the same manner as are the principles that underlie Law, Medicine, Engineering and similar professions.

The School of Commerce was established in 1914 when the Board of Higher Curricula of the State of Oregon authorized the University of Oregon to establish undergraduate and graduate courses in commerce. The function of this school is to teach the principles of business administration and this major purpose was recognized by the Board of Higher Curricula in 1921, when it authorized the change of name from School of Commerce to School of Business Administration.

Research is carried in various fields of industrial endeavor and the school is always glad to place its facilities at the dis-

posal of the business men and business organizations of the state and to foster in every way the higher business development of Oregon.

The school is strictly professional. It seeks to avoid the purely vocational on the one hand and the strictly technical on the other. Vocational training as such is not an essential part of industrial management, and highly specialized technical processes are more satisfactorily learned in the individual business during the probationary period, which each graduate of necessity must serve. The school is frankly not interested in preparing stenographers, typists, bookkeepers, filing clerks and so on, even while recognizing that such persons are a necessary part of present day business organization. It prefers to devote all its energies and resources to preparing executives. Instead of giving "information" courses about the business world, the student is taught to think in terms of business principles.

DEGREES

The School of Business Administration offers but two degrees—an undergraduate degree, Bachelor of Business Administration, for those who successfully complete one of the four-year courses of study, and a graduate degree, Master of Business Administration, which is generally obtained at the end of the fifth or sixth years.

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 silver 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.

THE OREGON LIFE INSURANCE COMPANY cup is a silver loving cup upon which the name of the winner each year is inscribed. A silver memento of the cup is also awarded the student in the School of Business Administration who writes the best paper on some phases of the principles underlying life insurance and in addition makes the best sales talk underlying life insurance.

THE MUTUAL LIFE INSURANCE COMPANY OF NEW YORK, through G. M. Sprague of Eugene, offers a cash prize of \$25 to be given annually to the student in the School of Business Administration who writes the best examination on life insurance and who, in addition, makes the best sales talk on that subject.

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.

SCOPE OF CURRICULA

Any college curriculum should be designed to meet conditions as they exist in the student body. An investigation of records shows the following facts:

1. Numbers of students are compelled to leave school before securing a degree.

2. A great many have no further plans than a four-year course.

3. Increasing numbers are looking forward to further specialization in the fifth and sixth years.

The curriculum of the School of Business Administration, while constantly keeping in mind the increasing emphasis on professional and graduate work, is so arranged as to permit each of these classes of students to secure some of the purely *commerce* studies, some of the work offered by the College of Science, Literature and Arts and some courses in the School of Law. For example, the student who stays but two or three years receives training in the subjects that are fundamental to business success; the four-year student receives a thorough grounding in business administration with special emphasis in his chosen field; and the five- or

six-year student receives highly technical training of an advanced nature.

For the purpose of instruction the main fields of business administration have been carefully outlined, and work in each coordinated so as to give the student the best type of training. The school does not prepare for particular industries; it does train for specialized fields and in doing so necessarily covers many particular industries. For those who do not desire to specialize in one of the major fields at the outset, training may be secured in General Business until the senior year. In every case, effort is made to try to meet the needs of the individual student and so far as is possible, adjustment is made on the basis of previous training and capacity for work.

The policy is to help each student improve his methods of study and to hold each up to his best grade of work. The student who can do a high grade of work but does that which is only mediocre, is just as certain to be asked to withdraw as is the student of poor ability. To facilitate the administration of this policy, the school urges no one to register who does not have a real desire to give the best of his time and energy to meeting required standards.

It is the purpose of the school to keep students in close touch at all times with conditions existing in the business world and so far as possible to supplement class work by actual contact with going concerns. In many instances students are placed in active business under supervision of the school, and in this way are better able to correlate the knowledge obtained in the University with practical affairs. Students are urged to spend their vacations in work where they can combine theory and practice.

In order to furnish students a wide range for selection, the upper division work in commerce is divided in groups as follows:

Finance	Transportation
Marketing and Selling	General Business
Foreign Trade	Chamber of Commerce
Professional Accounting	
Business Administration and Household Arts	

If, for any valid reason, a student wishes to pursue a special line of study, courses can be grouped so as to fit his individual needs.

BUSINESS ADMINISTRATION AND HOUSEHOLD ARTS

Today the consensus of opinion is that a woman's education should include definite training in Household Arts, even though she expects to enter business or a profession. As a consequence, the School of Business Administration and the Department of Household Arts have worked out a combination course wherein the advantages of a thorough training in business administration may be obtained, and at the same time the student receives that preparation which is so essential to every woman whether she enters the business world or manages a home. This course includes instruction in food, clothing, household administration and care of children, as well as the principles which underlie business procedure.

BUSINESS ADMINISTRATION AND ECONOMICS

A working knowledge of economics is so fundamental to every field of business that the curriculum of the School of Business Administration has been arranged so that the student carries work in this subject through his entire four years. The University of Oregon is very fortunate in having a particularly strong Department of Economics.

GENERAL BUSINESS AND FOREIGN TRADE GROUPS

The fifth years in General Business and Foreign Trade are arranged to suit the needs of the individual students. Whenever practicable the campus study will be combined with actual, supervised business experience. Only the exceptional student can hope to secure an advanced degree in one year. Persons who have not had a thorough grounding in Economics, Commerce and Law will find it necessary to complete such studies before proceeding to regular graduate work. In all cases of doubt write direct to Dean of the School of Business Administration for detailed information.

BUSINESS ADMINISTRATION AND LAW

The School of Law offers courses designed especially for students of Business Administration. Much of the legal procedure, germane to the man who is to practice, but unnecessary to the business administrator, has been eliminated. Fifteen hours of such work are required of all Commerce majors, in either their junior or senior years. No credit will be given for these special courses, toward a law degree. They are intended only for stu-

dents who cannot take the time requisite for the combined six-year course in Business Administration and Law. In this combined course, which leads to both the Business Administration and Law degrees, the regular courses in the School of Law are to be taken. The longer course will equip thoroughly for law and for business.

Further information regarding the curricula for the combined course, leading to the B.B.A. degree and the J.D. degree may be secured from either the Dean of the Law School or the Dean of the School of Business Administration.

GRADUATE DIVISION

The degree of Master of Business Administration is conferred upon students taking their major work in Business Administration who successfully complete a prescribed program of graduate work. A knowledge of the principles of economics and of legal procedure underlie sound business administration, and in this regard exceptional opportunities for advanced study are afforded at Oregon, due to the presence on the campus of the department of Economics and the Law School. Generally speaking graduate students majoring in Business Administration will find it advantageous to select either Economics or Law as a minor.

Business Administration may be taken as a minor subject for the degrees of Master of Arts and Master of Science.

ACCOUNTING GROUP

The demands made upon the professional accountant today are so great and the examinations given by the state boards of accountancy are on such a high plane that it has been found advisable to offer a five year course in Accounting. The aim of this course is to prepare the student to pass the examination of the State Board of Accountancy in much the same manner as law and medical students are prepared to pass the State Medical and the State Bar examinations. Students who have not taken the four-year course in accounting offered by the University of Oregon or who have not had equivalent preparation cannot secure adequate preparation by taking one year of graduate work.

SPECIMEN CURRICULA

The curricula of the following four groups, Finance, Foreign Trade, Professional Accounting and Business Administration and Household Arts are given to illustrate the type of work

which the School offers. The work in the remaining four groups (Marketing and Selling, General Business, Transportation, Chamber of Commerce) is outlined in a chart which the School of Business Administration will send upon request.

COURSE OF STUDY IN PROFESSIONAL ACCOUNTING

The following course of study will be strictly adhered to by students specializing in Accounting. Where the teaching schedule makes conflicts unavoidable, substitutions will be made by the major adviser.

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
FRESHMAN			
Elements of Accounting	5	5	5
Mathematics	4	4	4
Economic History	4		
Trade Routes and World Ports.....		4	4
Military Science (men) or Personal Hygiene (women).....	1	1	1
Physical Education	1	1	1
Practical Ethics (women).....	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
	15	15	15
SOPHOMORE			
Constructive Accounting	5	5	
Business Economics			5
Written and Spoken Business English.....	3	3	3
Principles of Economics	4	4	
Economics of Banking			4
Business Statistics	3		
Approved Elective		2-3	2-3
Military Science	1	1	1
Physical Education	1	1	1
	17	16-17	16-17
JUNIOR			
Cost Accounting	3	3	3
Accounting Theory	3	3	3
Salesmanship	5		
Business Finance		5	
Business Management			5
Contracts	3	3	3
Approved Elective	2	2	2
	16	16	16
SENIOR			
Advanced Theory	5	5	
Systems			5
Auditing	5	5	5
Advanced Economics	4	4	
Business Policies			5
Agency	3	3	
Partnership			3
	17	17	18
GRADUATE YEAR			
C. P. A.	5	5	5
Income Tax	3	3	
Report Writing			3
*Accounting	2	2	2
Law	6	6	6
	16	16	16

*To be taken from: Municipal Accounting, Ethics of Accountant, Government, Institutional, Public Utilities, Lumber, or Railroad Accounting.

COURSE OF STUDY IN FINANCE

The following course will be strictly adhered to by students specializing in Finance, except where the teaching schedule makes conflicts unavoidable. In such cases, substitutions will be made by the major adviser.

FRESHMAN	Fall	Winter	Spring
Elements of Accounting	5	5	5
Economic History	4		
Trade Routes and World Ports.....		4	4
Intermediate Algebra and Mathematics of Finance...	4	4	4
Practical Ethics (women)	½	½	½
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
	<u>15</u>	<u>15</u>	<u>15</u>

SOPHOMORE

Business English	3	3	3
Principles of Economics	4	4	
Business Economics			4
Vocational Psychology	3		
Business Statistics		3	
Economics of Banking			5
Elective	3-5	3-5	3-5
Military Science	1	1	1
Physical Education	1	1	1
	<u>15-17</u>	<u>15-17</u>	<u>15-17</u>

JUNIOR

Salesmanship, Business Finance and Business Management	5	5	5
Public Finance	4	4	
Labor Problems			4
Contracts	4		
Agency		2	
Bills and Notes		2	
Competition			3
Elective	3	3	3
	<u>16</u>	<u>16</u>	<u>15</u>

SENIOR

Investments	3	3	
Advertising			3
Banking Procedure and Practice.....	5		
International Banking		5	
Business Policies			5
Life Insurance	3		
Fire Insurance		3	
Advanced Investments			3
Seminar	2	2	2
Elective	3	3	3
	<u>16</u>	<u>16</u>	<u>16</u>

COURSE OF STUDY IN FOREIGN TRADE

The following course of study will be strictly adhered to by students specializing in Foreign Trade, except where the teaching schedule makes conflicts unavoidable, when substitution will be made by the major adviser.

FRESHMAN	Fall	Winter	Spring
Economic History	4		
Trade Routes and World Ports.....		4	4
Principles of Accounting.....	5	5	5
Foreign Language	4	4	4
Military Science (men) or Personal Hygiene (women)	1	1	1
Practical Ethics (women)	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Physical Education	1	1	1
	<u>15</u>	<u>15</u>	<u>15</u>
SOPHOMORE			
Business English	3	3	3
Principles of Economics	4	4	
Economics of Banking			5
Business Statistics	3		
Business Economics			4
Foreign Language (continuation)	3-4	3-4	3-4
Approved Elective		4	
Military Science	1	1	1
Physical Education	1	1	1
	<u>15-16</u>	<u>15-16</u>	<u>15-16</u>
JUNIOR			
Law of Contracts	4		
Law of Agency		2	
Law of Competition			3
Bills and Notes		2	
Salesmanship	5		
Business Finance		5	
Business Management			5
Railroad Economics	4		
Water Transportation		4	
Control of Carriers			4
Foreign Language or Approved Elective.....	3-4	3-4	3-4
	<u>16-17</u>	<u>16-17</u>	<u>16-17</u>
SENIOR			
Principles of Foreign Trade.....	3	3	3
Technique of Foreign Trade.....	3	3	3
Business Advertising	3		
International Banking		5	
Business Policies			5
Approved Elective	5-7	3-5	3-5
	<u>14-16</u>	<u>14-16</u>	<u>14-16</u>

**COURSE OF STUDY IN BUSINESS ADMINISTRATION AND
HOUSEHOLD ARTS**

The following course of study will be strictly adhered to by students specializing in Business Administration and Household Arts, except where the teaching schedule makes conflicts unavoidable. In such cases substitutions will be made by the major adviser.

FRESHMAN	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Economic History	4		
Trade Routes and World Ports.....		4	4
Elements of Accounting	5	5	5
Clothing or Chemistry	3-4	3-4	3-4
Physical Education	1	1	1
Personal Hygiene	1	1	1
Practical Ethics (women)	1/2	1/2	1/2
	<u>14-15</u>	<u>14-15</u>	<u>14-15</u>
SOPHOMORE			
Written and Spoken English.....	3	3	3
Principles of Economics	4	4	
Business Economics			4
Money, Banking, and Crises.....			5
Foods and Home Nursing (including Cooking for the Sick)	4	4	4
Color and Harmony in Clothing.....	1	1	1
Elective	3	3	
Physical Education	1	1	1
	<u>16</u>	<u>16</u>	<u>18</u>
JUNIOR			
Salesmanship	5		
Business Management		5	
Business Finance			5
Sanitation	3		
Food Economics		3	
Textiles			3
Contracts	4		
Agency		2	
Unfair Competition			3
Bills and Notes		2	
Elective	4	4	4
	<u>16</u>	<u>16</u>	<u>15</u>
SENIOR			
Merchandising	5	5	
Business Policies			5
Salesmanagement			3
Banking Procedure and Practice.....	5		
Care of the Child.....	3		
Household Management		3	3
House Furnishing	1	1	1
Elective	2-3	6-7	3-4
	<u>16-17</u>	<u>15-16</u>	<u>15-16</u>

DESCRIPTION OF COURSES

LOWER DIVISION

2 a, b. **TRADE ROUTES AND WORLD PORTS.** A study of the ports of the world; the trade routes or main lines of ocean transportation on which the ports are located; the products and manufactures adjacent to each port and principal interior cities of each country, from a foreign trader's viewpoint. Rutter, Lomax.

Four hours, winter and spring terms.

8a, b, c. **ELEMENTS OF ACCOUNTING.** An introduction to the entire field of accounting. A study of proprietorship from the standpoint of single ownership, partnership and corporation organization. Accounting systems from the simple to complex are constructed from the basic accounting principles. Careful study is made of financial statements and the collection, interpretation and comparison of their data. Careful attention is given to the relation of accounting to the general field of modern business. Required of all commerce majors. Janney and assistants.

Five hours, each term.

10a, b. **CONSTRUCTIVE ACCOUNTING.** In this course a careful study will be made of the accounts of the single proprietorship, the partnership and the corporation. The retail, wholesale, commission and manufacturing fields will be studied. The single and double entry systems of accounting will be taken up. Simple double entry books will be used. The expansion of the simple system, using the columnar record, will be taken up, the construction, operation, criticism and interpretation of the written record will be studied. Emphasis will be put on the closing of books and the preparation of financial statements in their relation to management. Special problems in cash, notes and accounts receivable, joint ventures, consignments, etc. will be given careful consideration. Based upon a knowledge of Elements of Accounting. Janney.

Five hours, fall and winter terms.

UPPER DIVISION

109. **LABOR MANAGEMENT.** This course is intended primarily for those who expect to deal with large groups of labor. It is a survey of the scope and work of the labor manager, and includes a study of the technique of the various types of trade agreements, the application of scientific management to labor and the attitude

of organized labor toward it and a consideration of the various means of industrial betterment employed by representative firms throughout the country. Prerequisite, Labor Problems and senior or graduate standing. Miller. *Four hours, any term.*

110a, b, c. COST ACCOUNTING. This course takes up cost accounting from the standpoint of the factory and the corporation. A preliminary study of the concepts and elements of cost is made. The control of the commercial books of account over the cost ledgers is given careful summarization, posting and control of job and process cost is considered. A study of modern cost systems and their installation will be made. Special problems in the distribution of factory burden, correct methods of depreciation etc. will be given careful attention. Prerequisite, Principles of Accounting and Constructive Accounting. Bolitho.

Three hours, each term.

113. BUSINESS FINANCE. A study of the principles underlying modern business finance. Financial problems of organization, production, marketing and expansion under the individual, partnership and corporation form of organization will be analyzed. A fundamental course for all students of Business Administration. Folts. *Five hours, winter and spring terms.*

114a, b. INVESTMENTS. The first term will include a study of investment avenues and classes of investment securities as differentiated from speculation, as well as a review of the fundamental economics of investments. The second term consists of an analysis of investment securities of various classes concluding with a study of the principles underlying successful investment. Folts. *Three hours, fall and winter terms.*

116. BANKING PROCEDURE AND PRACTICE. This course treats the bank from without, emphasizing the functions and service of the bank from the customer's standpoint, rather than from that of the man within, the banker. Banking technique is studied as a product of the demand for service on the part of business. Stress is placed on the use of acceptances, foreign and domestic, and upon foreign exchange. The course is fundamental for any commerce student. Folts. *Five hours, fall term.*

119. **ADVANCED INVESTMENTS.** Advanced work in investment problems. Enrollment limited to students who are capable of doing work of an advanced nature. Pre-requisites, Investments 114a, b. Folts. *Three hours, spring term.*

120. **INTERNATIONAL BANKING.** An advanced course for students in Banking and Commerce, Foreign Trade and Professional Accounting. This course covers the essential work in foreign banking practice, foreign exchange and foreign investment, all from the point of view of the business man. Prerequisite, Money and Banking. Folts. *Five hours, winter term.*

122 a, b, c. **MERCHANDISING.** (a) The general methods and problems of marketing raw materials, including a study of market analysis and distribution of commodities from the manufacturer to the consumer, including the organization and interrelation of the various types of agencies.

(b) Based upon 122a, but dealing more especially with the distribution systems in its relation to the development of the retail store, specialty store and department store. The purpose of the course is to describe the retail business as it is and to point out the broad lines upon which retailing progress is being made.

(c) The third term in merchandising takes up the subject of marketing, using problems to illustrate 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. Whitaker. *Three hours each term.*

126a. **SALESMANSHIP.** The plan and development of this course has two purposes—to develop salesmen, and to train undergraduates and graduates who desire to increase their own personal efficiency. Required of all juniors.

Five hours, fall or spring term.

126b. **SALESMANSHIP.** Particular emphasis on the various types of sales, such as the selling of insurance, bonds, etc. Actual sales are held in class in which the class analyzes both the salesman and the buyer, and thus sees how the principles are applied in actual sales. Whitaker. *Four hours, fall or winter term.*

127. SALES MANAGEMENT. This course deals with the relations of the sales department to other departments in a business, the relation to customers, market analysis, determination of the selling points of the product, sales organization, selection, training and paying of salesmen; management of sales force; and policies in regard to guarantee, cancellations and return goods. In order to make this course practical, actual sales management problems will be taken up in class discussions. Whitaker.

Four hours, spring term.

121. BUSINESS MANAGEMENT. This course includes 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. It includes the study of the principles of plant, factory, office and executive management, etc. The case method is used. In some instances the student is given principles and taught to apply them in solving specific problems. In other cases, the student is given specific problems and is asked to deduct the principles involved. Robbins.

Five hours, winter or spring term.

128. ADVANCED PROBLEMS IN SALESMANSHIP. This course includes work in salesmanship problems and is of a research nature. Only students with special ability in this field, who are particularly interested in the selling phase of business will be enrolled. Whitaker.

Two hours, any term.

129a. ELEMENTS OF 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. Particular stress is put upon the elements involved in the description of advertising campaigns and their relation to the different systems of merchandising and selling. Whitaker. *Three hours, fall term.*

129b. ADVANCED PROBLEMS IN BUSINESS ADVERTISING. Open only to students who have had Elements of Business Advertising. The student taking this course selects a given field in which he expects to engage and applies the principles learned in Elements of Business Advertising. Designed especially for those students who are majoring in merchandising and salesmanship. Whitaker.

Three hours, winter term.

130. **ADVANCED PROBLEMS IN MERCHANDISING.** An advanced study in the problems of merchandising and marketing methods. Special research work forms the major part of this course. Whitaker. *Two hours, winter or spring term.*

138a. **LIFE INSURANCE.** The uses and forms of life insurance policies; the practical and theoretical principles underlying mortality tables; rate making; loading; reserves; surplus; legal interpretations; policies; organization; agency and policies of fraternal, business assessment; stock and mutual companies and the relation of insurance to the credit fabric. Prerequisite, Principles of Economics. Hogan. *Three hours, fall term.*

138b. **FIRE INSURANCE.** A study of fire insurance in its theoretical and practical aspects. Special emphasis is placed upon the study of the fire insurance laws of Oregon, and the organization and management of fire insurance companies in this state. Hogan. *Three hours, winter term.*

140. **MARINE INSURANCE.** This course deals primarily with the subject of marine insurance. A brief survey will be made of bonding, title, and credit insurance at the end of course. Special attention will be given to the history, contracts, rules of construction of ships, parties to the contract, terms of policy, perils insured against, cargo risks, hull risks, and freight risks in marine insurance. Hogan. *Three hours, fall term.*

141. **REAL ESTATE.** This course deals with the business problems connected with the sale, purchase and management of real estate. The following topics are included in this study: 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 1922-23.) *Three hours, one term.*

142. **BUSINESS STATISTICS.** This is a study of advanced statistics in which the student is taught to interpret social data by statistical methods. Major attention is given to the proper evaluation of graphs and charts and their use in presenting information relative to business. Rutter. *Three hours, any term.*

144. 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.*

145. 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. (Not given in 1922-23).

Two hours, winter term.

146. LAW OF AGENCY. Scope, nature and formation of relationship of principal and agent, rights and obligations between principal and agent, agent and third party, principal and third party; termination of relationship. Prerequisite, Contracts 144. Justin Miller.

Two hours, winter term.

147. 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. (Not given 1922-23).

Two hours, winter term.

148. 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, Contract 144. Hale.

Two hours, spring term.

149. 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.

150. PRIVATE CORPORATIONS. The forms of corporations, directors and administrative officers, stocks and the rights of stockholders and foreign corporations. *Two hours, winter term.*

159 a, b, c. SEMINAR IN GENERAL BUSINESS.

Hours to be arranged.

163a, b, c. TECHNIQUE OF FOREIGN COMMERCE. (a) The first term deals with the technical information of overseas business,

i. e. methods employed in selling American goods to foreign consumers through various distributing channels such as the export commission house, export merchant, manufacturer's export selling agent, and the resident agent in the foreign market. The peculiarities of certain countries are studied, and the possibilities of trade in that country using certain articles of American manufacture. (b) The second term of the course deals with the paper technique employed in foreign trade practice, the papers necessary to handle a shipment of goods for ocean shipment. The student is made familiar with export invoices, ocean bills of lading, custom house declarations, certificates of origin, marine insurance policies, etc. Problems which relate to overseas business, —cost, insurance, freight, f. o. b., the making of quotations, as well as the coding and decoding of cablegrams are handled. Included also is the study of shipping details such as charter parties, ships papers, government requirements, etc. (c) The third term deals with ports and terminal facilities; an economic study dealing with the operation of seaports; their equipment; influence of the interior on the port; and the part proper equipment plays in the distribution of goods. Special attention will be given to the ports of the Pacific coast, and the various dock systems. Lomax.

Three hours, each term.

164a, b, c. PRINCIPLES OF FOREIGN TRADE. During the first term, an analysis is made of the principles underlying foreign trade from the standpoint of the individual—the manufacturer, the exporter, and the importer. During the second term, the tariffs, customs requirements, trade-mark and patent laws, and other business laws of foreign countries are examined. During the third term, the commercial policy of the United States and other leading commercial countries is studied from a national and international standpoint. Rutter. *Three hours, each term.*

167. RESOURCES OF PACIFIC NORTHWEST. A study of the hinterland of the states of Oregon, Washington and Idaho; the products originating in this territory; the extent of production and shipment of these products; markets in which the materials are consumed and their relation to overseas commerce. Lomax.

Two hours, fall term

170 a, b, c. SEMINAR IN FOREIGN TRADE. *Hours to be arranged.*

180. ACCOUNTING THEORY AND PRACTICE. This course is planned for the students majoring in accounting, or those students who wish to gain a better knowledge of the accounting profession. It is intended to present the underlying theory on which the accounting records and statements are based. Special study is given to statements of affairs, capital and revenue expenditures, depreciation, analysis of profits, receiverships, branch house accounting, estate accounts, balance sheet construction, investments, foreign exchange and many other problems connected with business of today. Required of all accounting majors. Pre-requisite, first and second year accounting. *Three hours, any term.*

181 a, b. ADVANCED ACCOUNTING THEORY AND PRACTICE. A comprehensive study of the fine points in accounting theory and technique of practice. The student is expected to do a certain amount of research work. Such subjects will be discussed as actuary science, sinking funds, reserves, capital stock, funded debt, contingent items, suspense accounts, interpretation of statements, corporations, mergers, consolidations, etc. Prerequisites, Accounting Theory and Practice, Business Finance, and Technical Law prescribed by instructor. Open to advanced undergraduates and graduates. McDougle. *Five hours, winter and spring terms.*

182. ADVANCED COST ACCOUNTING. This course is designed to meet the needs of the students in the accounting field who may wish to specialize in cost work and for the benefit of the general auditor. An intensive study will be made of basis of cost, cost control, cost records, inventories, payrolls, stock, flow of costs, materials, overhead burden and distribution, analysis of expenses, factory records, factory organization, financial and cost statements and exhibits, accounts, reports and systems. The different theories of cost will be discussed and their practical values will be shown. Lectures, text assignments, library references, charts, problems and general class discussion required. Required of all Accounting majors. Open to advanced undergraduates and graduates. Prerequisites, Principles of Economics, Accounting Theory, Business Organization. McDougle. *Five hours, spring term.*

183 a, b, c. AUDITING. A study of the methods and procedure in connection with detailed, continuous and balance sheet audits; details in arrangement of working papers and carrying out an audit for business concerns. It is presumed that the underlying

theory of accounts is well understood and that the student will be able to apply these theories. Text assignments, library references, a complete audit with all working papers and report, short problems, C. P. A. questions and problems, quiz work and class discussions. Prerequisite or parallel, Advanced Accounting Theory and Law as prescribed by the instructor. Open to advanced undergraduates or graduates. Bolitho. *Five hours, each term.*

184. ACCOUNTING SYSTEMS. This course includes the practical application of all the accounting courses, giving the student opportunity to express himself in the construction of accounting systems for both small and large business concerns. The student writes the procedure for installing accounting systems, methods of controlling general and branch store systems, factory cost systems. Special business concerns are studied and systems worked out to fit peculiar situations, as well as standard business practices. The school attempts to meet the demands of the modern business men by doing research work and establishing systems to meet the particular needs of the various kinds of business enterprises. The University reserves the right to publish the results of any research work done in this or other classes. Prerequisites, Advanced Accounting Theory and Practice. Open to advanced undergraduates and graduates. McDougle. *Five hours, spring term.*

185. ETHICS OF THE ACCOUNTANT. A study of business ethics as followed by the reputable accounting firms and of the proceedings of the American Institute of Accountants. This course is based on library references and other material which is collected from time to time. The student is required to do research work and to form opinions on subjects involving questionable business ethics, as well as learning the rules of the best practice. Bolitho. *Two hours, one term.*

186 a, b, c. SEMINAR IN ACCOUNTING. *Hours to be arranged.*

195. BUSINESS POLICIES. This is a study of the application of principles of business administration to various fields of business. Business problems are analyzed and an effort is made to coordinate all the knowledge which the student has obtained in his work in economics, law, and business administration. Required

of seniors. Prerequisite, senior standing and prescribed work in economics, law and business administration. Robbins.

Five hours, spring term.

GRADUATE DIVISION

200 a, b, c. C. P. A. PROBLEMS AND SOLUTIONS. This course is an intensive study of the problems and questions asked by the examining boards of the various states as well as the American Institute of Accountants' examinations. The student is given extensive practice in the solution of numerous problems. The problems are so selected that the student is trained 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; Advanced Theory and Practice. Bolitho. *Five hours, each term.*

201 a, b. INCOME TAX PROCEDURE. An intensive study is made of the income and excessive profits tax laws of the United States. The student will be required to solve many problems involving personal, partnership and corporate returns. A thorough study is made of the forms, law, regulations, treasury decisions, involving all the modern points of law as well as decisions and rulings which affect business at present.

Prerequisite, graduate standing. Advanced Accounting Principles, or equivalent practical experience. Bolitho.

Five hours, fall and winter terms.

202. REPORT WRITING. This course provides special training in the technique of good accounting reports as well as how to make proper analysis of audit papers. The styles and forms of many large firms will be studied so that the student will be familiar with the many forms in use. The ability to form correct conclusions and give sound business advice from data given by audit papers is essential to the professional accountant.

Problems and research work, class discussions, report writ-

ing and library assignments will form the major part of this work.

Prerequisites, graduate standing, Auditing, Advanced Accounting Theory and Practice. Bolitho.

Three hours, spring term.

203 a, b, c. GRADUATE SEMINAR IN ACCOUNTING. Seminar and research in accounting. *Each term.*

210 a, b, c. GRADUATE SEMINAR IN GENERAL BUSINESS. Seminar and research in the problems of general business.

Each term.

214. LATIN AMERICAN TRADE. In 1922-23, the Seminar in Foreign Trade will make a detailed study of the economic and geographical conditions of Latin American countries, their resources, institutions, trade methods, tariff systems, and trade-mark regulations; foreign exchange and transportation between the United States and Latin America. Prerequisite, graduate standing with basic courses in foreign trade and a reading knowledge of Spanish. In 1923-24 a similar study of Trans-Pacific Trade will be undertaken. Rutter. *Three hours, each term.*

SCHOOL OF EDUCATION

THE FACULTY

PRINCE L. CAMPBELL, B.A., LL.D. (Colorado)	.....	<i>President of the University</i>
HENRY D. SHELDON, Ph.D. (Clark)	.....	<i>Dean of the School of Education</i>
BURCHARD W. DEBUSK, Ph.D. (Clark)	.....	<i>History of Education</i>
FRED L. STETSON, M.A. (Washington)	.....	<i>Educational Psychology</i>
CHESTER A. GREGORY, Ph.D. (Iowa)	.....	<i>Secondary Education</i>
HARL R. DOUGLASS, M.A. (Missouri)	.....	<i>School Administration</i>
RUTH MONTGOMERY, B.A. (Oregon)	.....	<i>Teaching Practice</i>
ROLLIEN S. DICKERSON (Oregon)	.....	<i>Educational Psychology</i>
ANNA LANDSBURY BECK, B.A. (Oregon)	.....	<i>Administrative Principal</i>
MAUDE I. KERNS, B.S. (Columbia)	.....	<i>University High School, Civics</i>
ELBERT L. HOSKIN, B.S. (Hiram College)	.....	<i>Music</i>
MARGARET B. GOODALL, B.A. (Oregon)	.....	<i>Art</i>
EDITH BAKER PATTEE, M.A. (Oregon)	.....	<i>Science</i>
PETER L. SPENCER (Oregon)	.....	<i>English</i>
ETHEL WAKEFIELD, B.A. (Oregon)	.....	<i>French and Latin</i>
HERMAN A. LEADER, B.S. (Oregon)	.....	<i>Mathematics</i>
ANNA F. VOGEL (Oregon)	.....	<i>Commerce, English</i>
GEORGE R. MCINTIRE, B.S. (McMinnville)	.....	<i>History</i>
JOHN F. BOVARD, Ph.D. (California)	.....	<i>Arithmetic, Geography</i>
WILLIAM P. BOYNTON, Ph.D. (Clark)	.....	<i>Physical Education</i>
ROBERT C. CLARK, Ph.D. (Wisconsin)	.....	<i>Pedagogy of Physical Education</i>
EDGAR E. DECOU, M.S. (Chicago)	.....	<i>Pedagogy of Physics</i>
FREDERICK S. DUNN, M.A. (Harvard)	.....	<i>Pedagogy of History</i>
HERBERT C. HOWE, B.A. (Cornell)	.....	<i>Pedagogy of Mathematics</i>
FERGUS REDDIE, B.A. (Valparaiso)	.....	<i>Pedagogy of Latin</i>
FRIEDRICH G. G. SCHMIDT, Ph.D. (Johns Hopkins)	.....	<i>Pedagogy of English</i>
ALBERT R. SWEETSER, M.A. (Wesleyan)	.....	<i>Pedagogy of Public Speaking</i>
HARRIET W. THOMSON, B.A. (Michigan)	.....	<i>Pedagogy of Modern Languages</i>
		<i>Pedagogy of Botany</i>
		<i>Pedagogy of Physical Education</i>

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 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 new model high school building has just been erected on Alder street north of 16th avenue near the School of Education building, which 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 opportunity 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 completed 120 semester hours (180 term hours) including 15 semester hours (22 term hours) in Education as follows:

1. One-year State certificates shall be issued without examination, upon application, to such graduates of standard colleges and 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 expects to 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; provide, 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 as now contemplated, intended to correspond to the main lines of high school teaching which are undertaken by the University's graduates. The details of the courses included in each norm will be given in later university publications.

- | | |
|--|------------------------------|
| 1. English, English and
American Literature | 7. Science, biological |
| 2. History, civics, economics | 8. Science, physical |
| 3. Mathematics | 9. Commerce |
| 4. Latin | 10. Physical training |
| 5. French | 11. Art |
| 6. Spanish | 12. Music (four year course) |

PROFESSIONAL CURRICULA

The School of Education provides a number of professional curricula, intended to provide training in such groups of allied subjects as most 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 basal 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. The following detailed schedule will satisfy these requirements.

FRESHMAN			
	Fall	Winter	Spring
Botany (or Zoology)	4	4	4
Geology	4	4	4
Group and other elective.....	5-7	5-7	5-7
Elementary Physical Education	1	1	1
Military (men) or Personal Hygiene (women).....	1	1	1
Practical Ethics (women)	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
	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
Secondary 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			3
Electives	10	10	6
	16-17	16-17	15-16
SENIOR			
Practice Teaching			
Department Methodologies			
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, 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 Education 107, Supervised Teaching.

LOWER DIVISION

51. INTRODUCTION TO EDUCATION. Divisions into elementary, secondary and higher; their interrelations. 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; ac-

celeration, retardation, elimination; some rural school problems. Relation of school to local environment. A democratic conception of education. *Three hours, one term.*

52. HIGH SCHOOL TEACHING. An analysis of the work of the high school teacher, with particular attention to the social, professional, and personal aspects. The teacher as a factor in socializing activities; the teachers' relation to the staff, the pupils, and the community; personal elements in teaching; standards of efficiency for teachers. *Three hours, one term.*

53. EDUCATIONAL PSYCHOLOGY. An introductory course, dealing with the following topics: nature of learning, the learning curve, economical learning, ideational learning, retention of experience, individual differences, transfer and interference. DeBusk. *Three hours, fall or winter 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. Open to students who have had Education 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 function, place and aims of general elementary science. The historical beginnings of the subject as indicating the reaction to certain weaknesses in special science instruction. The relation of general science to the junior high school. The project or problem method in relation to general science. Analytic and critical study of the various texts and manuals, and of several typical courses in prominent high schools. The matter of laboratory organization will receive the major attention. Readings in current literature and special reports.

151a, b, c. 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. a. Colonial period, 1607-1775; fall term. b. Early national, 1775-1860; winter term. c. Recent period, 1860-1920, spring term. Open to seniors and graduates who have met the practice teaching requirement. Sheldon.

Three hours, each term.

152. 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.

Four hours, spring term.

153. 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.

Four hours, fall term.

154. EDUCATION AND ETHICS. A consideration of education from the point of view of the highest individual development. Includes a study of systems of moral instruction in France, Japan and elsewhere. The function of various social institutions in molding character. This course continues and supplements 153. Sheldon. *Four hours, winter term.*

155. 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. Sheldon. *Two hours, each term.*

156. EDUCATIONAL CLUB AND SEMINAR. Reports of current educational meetings, book reviews, discussion of special topics investigated by members. Sheldon and departmental staff. *Two hours, each term.*

161. PSYCHOLOGY OF CHILDHOOD. A study of the child's native and acquired responses and their significance for education. Open to students who have had education 51, 52 and 53 or general psychology. Not given 1922-23. DeBusk. *Three hours, fall term.*

162. HYGIENE OF THE CHILD. A study of the factors which affect the child in his adjustment to the school, such as physiological age, disorders of growth, defects of the senses, defects of speech, minor nervous disorders, etc. Not given 1922-23. Prerequisite, Education 161. DeBusk. *Three hours, spring term.*

163. EXCEPTIONAL CHILDREN. Consideration of delinquent, subnormal and superior children with special reference to the problems involved in their education. Not given 1922-23. Prerequisite Education 161. DeBusk. *Three hours, spring term.*

164a. MENTAL TESTS. A study of the mental test movement. The history, technique of giving and scoring, and the psychological principles underlying tests. A consideration of some of the more important individual and group tests. Open to students of junior standing who have general psychology or education 53. DeBusk. *Three hours, fall term.*

164b. MENTAL TESTS. The application of mental tests to problems of the school room. Open to students who have had 164a or equivalent. DeBusk. *Three hours, winter term.*

165. THE HYGIENE OF LEARNING. A study of the physiological and environmental forces that affect the learning of the child. Problems of mental economy and control, fatigue, rest, play, organization of work, interference of association, etc. Prerequisite, Education 51, 52, and 53 or general psychology. DeBusk. *Three hours, spring term.*

166. SCHOOL HYGIENE. Problems in the construction and sanitation of the school building with special reference to the provision of a healthy school environment. Open to Juniors who have had education 51, 52, and 53. DeBusk. *Two hours, fall term.*

167. SCHOOL HEALTH WORK. The problems involved in health supervision and examination and in the teaching of hygiene. Prerequisites, Education 51, 52 and 53 or equivalent. DeBusk. *Three hours, spring 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. This course is designed to give the student a comprehensive view of the field of educational measurements. The use of tests and surveys will be taken up. Special study will be made of the need for measuring the materials, processes and products of education. Literature dealing with conferences on educational measurements will be discussed. The advantages and limitations of tests will be given special attention. Enough of the mathematics will be given to understand measures of central tendency and measures of variation. 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. This course seeks to discover the underlying principles for grading and evaluating the materials of instruction for the elementary school. The biological, psychological and sociological principles governing grading will be given special attention. An attempt will be made to discover not only what principles are now operative in grading the materials of instruction but what principles ought to govern such procedure. This is a library course and presupposes a general acquaintance with educational literature. Gregory.

Four hours, one term.

175. STATISTICAL METHODS APPLIED TO EDUCATION. This is the method of statistical analysis. The mathematical formulae applied to educational measurements will be developed. Much drill in reading and interpreting statistics will be given. Enough problems will be assigned to develop the technique of the subject. Drill will be given in the graphic representation of results. Gregory.

Four hours, one term.

181. HIGH SCHOOL ADMINISTRATION AND SUPERVISION. This course will deal directly with such problems as the following: Organization of the school for instruction and for socialization; teacher and pupil assignments; school finances; standardizing routine; problems of health; publicity, and community relations; equipping the school; the principal as supervisor; teachers' meetings; measuring school efficiency; school morale; the high school and other institutions. 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 achievement 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. A technical course involving the preparation and historiography dealing with special problems in the field of English and American education during the nineteenth century. The library is equipped with the requisite sources of material for the study of: a. Educational history of Oregon; b. History of Methods and Ideals in American Education; c. History of state education in Great Britain during the nineteenth century. Sheldon.

Three hours, each term.

202a, b, c. EDUCATIONAL PSYCHOLOGY. An advanced course dealing with selected topics. The subject for 1922-23 will probably be the psychology and pathology of speech and the psychology of reading. Open only to graduate students who have had preliminary training in education and psychology. DeBusk.

Two hours, three terms.

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.

207. RESEARCH IN EDUCATION. Problems in educational psychology and in Hygiene. DeBusk.

208. CURRICULUM IN GEOGRAPHY AND UNITED STATES HISTORY. The scientific determination of the materials to meet the aims of education 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 of these subjects. 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.

SCHOOL OF JOURNALISM

THE FACULTY

PRINCE L. CAMPBELL, LL.D. (Colorado)	<i>President of the University</i>
ERIC W. ALLEN, B.A. (Wisconsin)	<i>Dean of the School</i>
CARLTON E. SPENCER, LL.B. (Oregon)	<i>Registrar of the University</i>
M. H. DOUGLASS, M.A. (Grinnell)	<i>University Librarian</i>
COLIN V. DYMENT, B.A. (Toronto)	<i>Professor of Journalism</i>
GEORGE TURNBULL, B.A. (Washington)	<i>Professor of Journalism</i>
W. F. G. THACHER, M.A. (Princeton)	<i>Professor of Advertising</i>
ROBERT C. HALL	<i>Assistant Professor of Journalism and Director of the University Press</i>
GRACE EDGINGTON, B.A. (Oregon)	<i>Assistant Professor of Journalistic English</i>
WILLIAM G. HALE, LL.B. (Harvard)	<i>Dean of the School of Law and Professor of Law of the Press</i>
HAROLD R. CROSLAND, Ph.D. (Clark)	<i>Assistant Professor of Psychology of Advertising</i>
LILIAN TINGLE (Aberdeen)	<i>Professor of Home Economics Journalism</i>

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.

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, advertising managers, advertising agency men, 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.

COURSES OF STUDY

The School of Journalism offers five separate courses called options, and a considerable number of variations 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		<i>Term Hours</i>
Freshman Year:		
Newswriting		2 hours
Language		4 hours
Political Science		4 hours
Biology or Geology		4 hours
Military Science (men), Personal Hygiene (women)		1 hour
Physical Education		1 hour
Sophomore Year:		
Publishing		3 hours
World History to Renaissance.....		3 hours
World Literature		2 hours
Language		4 hours
English		2 hours
Short Story		2 hours
Military Science		1 hour
Physical Education		1 hour
Junior Year:		
Reporting		3 hours
Copyreading		1 hour
Economics		4 hours
World History from Renaissance.....		3 hours
World Literature		2 hours
Trade Journalism		3 hours
Senior Year:		
Editing		5 hours
Interpretative News		3 hours
Law		1 hour
Sociology		5 hours
Elective		4 hours

DESCRIPTION OF COURSES

LOWER DIVISION

1a, b, c. ELEMENTARY NEWSWRITING AND NEWS GATHERING. Including 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.*

UPPER DIVISION

102a, b, c. REPORTING AND COPY READING. The student is developed toward professional standards to the point where his news stories can be published in the daily papers with a minimum of editing. Assignments are given each student, and prepared with a view to probable publication in some of the available University, town and state papers. Types of news-writing in leading newspapers of the country are studied. Methods of handling typical difficulties in newsgetting are considered. In copy-reading the class works around a typical newspaper copy desk, where the members handle all the copy designed for publication, editing it, correcting and revising any errors of fact, style and treatment. The work includes the theory of news values, and practice in news judgment. The full leased wire of the Associated Press

and of the United Press are available to the class by special arrangement. All matter edited is fitted with headings by the students. Headwriting is an important part of the course. Turnbull.

Four hours, each term.

103a, b, c. PUBLISHING. This course includes the study of type and its uses, book and newspaper standards, proof-reading, printing machinery and materials, the illustrative processes, cost accounting for printers, country journalism, and newspaper finance and administration. One period a week of print shop business management. Allen, Hall.

Four hours, each term.

104a, b, c. EDITING. This course includes practical editing, the study of contemporary newspapers, history of journalism, a consideration of journalistic ethics, editorial writing, the analysis of news and propaganda, and of newspaper problems. One of its principal purposes is 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.

105. LAW OF THE PRESS. Law of libel, blackmail, literary property including copyright, privileged communications, federal regulations and other phases of law bearing on the Press. Dean Hale.

Three hours, fall term.

106a, b. ADVERTISING. Theory and practice. Definitions; psychology of advertising; consideration of media; determining how much to spend. Preparation of copy; consideration of returns. Examples of effective advertising, with an analysis of the principles, psychological and typographical, of the pulling power. Ethics of Advertising. Practice is given in the preparation of copy designed for appeal to different classes of readers. Principles of display, including illustration and color, will be discussed. Textbook: "Advertising, Its Principles and Practice," by Tipper, Hotchkiss, Hollingworth and Parsons. Prerequisite, Psychology of Advertising, Psychology 23 or 33. Thacher.

Three hours, winter and spring terms.

108. CURRENT EVENTS. Allen.

One hour, each term.

109. ESTIMATING ON PRINTING JOBS. Elective for seniors who expect to work in smaller cities. Prerequisite, course 103. Hall.

110. BUSINESS MANAGEMENT. For Seniors. Allen, Hall.

Two hours, spring term.

112. PRINTSHOP LABORATORY. Advanced work, a continuation of certain sections of 103 for the benefit of students expecting to manage job printing establishments. Hall.

120. TRADE JOURNALISM. The greater industries of the United States and their specialized journalism. The principles of class journal publication; analysis of field (advertiser, subscriber, reader, contributor), financing the trade journal, writing for the trade journal, handling correspondents, editorial writing in technical fields, advertisement and circulation policies. Prerequisite, courses, 102 and 103. Dymont.

Three hours, spring term.

121a, b. 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; feature writing and special articles, interpretative magazine work. Prerequisite, 102. Dymont.

Three hours, fall and winter terms.

122a, b. TYPOGRAPHY OF ADVERTISING. The principles of effective typography. Printshop practice in the composition of specimen advertisements. Thacher, Hall.

One hour, winter and spring terms.

123a, b, c. ADVERTISING CAMPAIGNS. A continuation of 106. Special advertising problems. In this course, each student conducts an actual campaign for a Eugene advertiser. Thacher.

Two hours, each term.

175a, b. HOME ECONOMICS JOURNALISM. This course is intended to equip students as department editors for newspapers and magazines. Prerequisites: Journalism 102 and not less than fifteen credits in Household Arts. With parallel courses as advised after conference. Tingle, Allen.

Two hours, winter and spring terms.

For courses in Short Story (Thacher), Advanced Short Story (Thacher), Advanced Writing (Thacher) and Criticism (Collins), see department of English, in the College section.

GRADUATE DIVISION

200a, b, c. SEMINAR. A research course for students having the necessary preparation to enter a specialized field of original investigation.

Three to five hours, each term.

THE 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>
<hr/>	
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>
EDWIN R. BRYSON	<i>Lecturer on Oregon Practice and Procedure</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

For admission to the Law School the student must have completed 96 term hours of work in the College of Literature, Science and the Arts, including all the specific lower division requirements, or present satisfactory credentials covering equivalent work.

Pre-legal students in the College should include in their program of studies, courses selected from the following list.

FRESHMAN

Latin, American History, Modern Governments, Accounting, Mathematics, Physics, Extempore Speaking.

SOPHOMORE

Argumentation, Latin, Principles of Economics, Business Finance, Railways and Rate Regulation, Trusts and Industrial Combinations, Philosophy, Psychology, Sociology, Written English (prescribed).

SIX-YEAR COURSE IN ARTS AND LAW

If, after completing this two-year course, the student desires further preparation in liberal arts before beginning his professional studies, he may either continue through the regular courses of the junior and senior years of the College of Literature, Science, and the Arts, or after adding one more year, he may enter the Law School and, by counting the first year of law toward both the degree from the College and that of the School of Law, obtain both the collegiate and the law degrees in six years from the date of his admission to the University.

If all requirements are complied with, the academic degree is conferred at the close of the first year in the Law School and the law degree at the completion of the law course two years later.

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 96 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 and fifteen credits (the equivalent of three full years of professional study of law), and who have otherwise satisfied the requirements of the University and of the Law School, will be granted the degree of Bachelor of Laws (LL.B.).

Special students who have completed a four-year high school course and who have maintained over the full three years of their law course at this school an average mark of II, and who by reason of 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 its equivalent, from this University, or from some other institution of recognized collegiate rank, and who have satisfactorily completed courses in law aggregating one hundred and fifteen term-hours (the equivalent of three full years of professional study of law), and who have otherwise satisfied the requirements of the University and the Law School. Since one year of law may be counted toward 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 the combined Six-Year Course in Arts and Law.

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

1. 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. No degree will be conferred upon any student who has not spent at least one year in resident study at this University.

REGISTRATION FEES

The law registration fee for all regular and special students, and for partial students carrying more than one course in law, is ten dollars (\$10) a term. The special non-resident fee for law students is ten dollars (\$10) a term. These are in addition to the University registration fee of \$10.75 a term. All fees are payable in advance. Students registering late are required to pay the

full registration fees, for the term in which they register, and in addition the fines levied by the University for late registration and payment.

COURSES OF INSTRUCTION

The courses of instruction are arranged to present, as far as possible, the fundamental topics of the law during the first year, and the more specialized subjects during the second and third years. In courses continuing more than one term, no credit is given unless the course is completed.

FIRST YEAR COURSES

101. **CONTRACTS.** Formation of simple contracts; mutual assent; consideration; formation of contracts under seal; delivery; consideration. Parties affected by contracts; contracts for the benefit of third persons; assignment of contracts; joint obligations. The Statute of Frauds; contracts within the statute; guarantees, agreements in consideration of marriage, agreements not to be performed within a year, contracts for the sale of goods; satisfaction of the Statute. Performance of contracts; express conditions, conditions precedent and subsequent; implied conditions and effect of plaintiff's failure to perform his promise; impossibility. Illegal contracts; contracts in restraint of trade; wagers and gaming contracts; contracts obstructing the administration of justice; contracts tending to corruption. Discharge of contracts; parol agreement to discharge; novation; release; accord and satisfaction; arbitration and award; surrender and cancellation; alternation; merger. Williston, Cases on Contracts (two vols.) Decker.

Three hours, each term

102. **AGENCY.** Nature of relation; appointment; liability of principal for agent's torts, contracts, crimes; liabilities of agent; parties to writings; undisclosed principal doctrines; delegation of agency; termination; ratification. Huffcut, Cases on the Law of Agency (2d ed.). Justin Miller.

Three hours, winter and spring terms.

103. **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, including breaches of duty, fair and unfair competition,

strikes, boycotts, business combinations. Ames and Smith. Cases on Torts (ed. 1909-1910). Warner. *Three hours, each term.*

104. PERSONAL PROPERTY. Distinction between real and personal property; acquisition of rights in personal property; gifts; bailments; liens; pledges; conversions; fixtures. Gray, Cases on Property, Vol. 1, (2d ed.). James Miller.

Three hours, winter term.

105. PROCEDURE I. Course on general legal conceptions and forms of action at common law. Readings based on Pound, Outline of a Course on the History and System of the Common Law, and Cases from Sunderland: Cases on Common Law Pleading. Warner.

Three 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 (2d ed.). Justin Miller.

Four hours, fall term.

107. PROCEDURE II.—MOOT COURT. During the first year all students taking law courses with a view to practicing law are required to argue cases on submitted statements of fact before their fellow students and members of the law faculty. The course also includes legal bibliography and brief making. Justin Miller.

One hour, fall and winter terms.

108. REAL PROPERTY. I, Introduction to Real Property. Tenures; estates in land (including tenancy from year to year, estates less than freehold) with reference to quantum; time of enjoyment, number and connections of owners, marital interests, creation and transfer at common law and under statute of Uses, historical development and practical aspects; Uses and trusts; waste; rights arising from breach of conditions; simple questions under reversions and remainders; difference between executory devises and interest by way of uses; Rule in Shelley's Case; conditional limitations and rise of entry, incorporeal hereditaments, including conveyances; dissesin and its remedies; manors; incidents of tenure; abolition of tenure; seisin, grant and attornment; release and surrender; copyholds of tenancy. II, Rights in Land. Natural rights; easements; covenants running with the land not between landlord and tenant; public rights; franchises; rents. Profits a prendre; surface and percolating waters; rights in seashore and highway;

nuisance as shown in natural rights. Lateral support, party wall easement, easement appurtenant and in gross, extinguishments of easements. Licenses. James Miller. *Five hours, spring term.*

SECOND YEAR AND THIRD YEAR COURSES

220. EQUITY. The origin, development, maxims, principles and doctrines of equity; relation between equitable rights and powers and legal rights and powers; jurisdiction, procedure and remedies of courts of equity; the equitable relations and remedies involved in obligations ex contractu and obligations ex delicto considered with respect to their interplay with the corresponding legal relations and remedies; specific performance of contracts, with emphasis on the special trust relations arising under executory contracts between vendors and purchasers of realty; specific prevention and reparation of torts; prohibitory and mandatory injunctions for such torts as waste, trespass, nuisance, infringement of patents and copyrights, interference with business relations, violations, violations of rights of privacy. Ames, *Cases in Equity Jurisdiction*, Vol. 1. James Miller. *Three hours, fall and winter terms.*

221. TRUSTS. Nature and requisites of trust; express, resulting, and constructive trusts; charitable trusts; appointment and office of trustee; nature of cestui's interest; transfer of trust property by trustee or by cestui; cestui's interest as affected by death, marriage, or bankruptcy of trustee or cestui; duties of trustee; extinguishment of trust; removal or resignation of trustee; accounting. Scott, *Cases on Trusts*. James Miller. *Three hours, fall and winter terms.*

222. EVIDENCE. Respective functions of judge and jury; "law and fact"; presumptions; burden of proof; judicial notice; classifications of evidence, relevancy as primary test of admissibility; principles and rules relating to the following: Misleading or unimportant matters, character, admissions, confession, hearsay, witnesses' opinion and expert testimony, real evidence, evidence relating to execution, contents and interpretation of writing; various rules of substantive law stated in terms of "parol evidence rule"; competency of witnesses; privilege of witnesses; examination of witnesses. Thayer, *Cases on Evidence* (2d ed.). Hale. *Three hours, fall and winter terms.*

223. SALES OF PERSONAL PROPERTY. Subject matter of sale; executory and executed sales; bills of lading and jus disponendi; seller's lien and right of stoppage in transitu, fraud; factors' acts;

warranty and remedies for breach of warranty; statute of frauds. Williston, Cases on Sales. Hale. (Not given 1922-23.)

Three hours, fall and winter terms.

224. PERSONS AND DOMESTIC RELATIONS. Marriage; consent and capacity; marriage as a contract or relation; rights and duties; rights in property; contracts, conveyances, quasi-contractual obligations; wife's estates; ante-nuptial and post nuptials settlements; separation and divorce. Parent and child; legitimacy; adoption, custody, support; earnings of child; liability for child's torts. Guardian and ward; selection and appointment of guardians; jurisdiction to appoint; rights, duties and liabilities of guardian; maintenance of ward; domicile; care of property and investments; guardian's bonds. Infants: period of infancy; privileges and disabilities; contracts; liabilities for necessities; ratification and disaffirmance of contracts. Persons non compos mentis and aliens. Master and servant: creation and termination of the relation; remedies for breach of contract; rights and duties inter se; master's liability for injuries to servant; negligence and assumption of risk. Kales, Cases on Persons, and Vernier, Cases on Marriage and Divorce.

Three hours, spring term.

225. BILLS AND NOTES. The law of checks, bills of exchange and notes taken up, with a detailed discussion of: formal requisites; acceptance; indorsement; transfer; extinguishment; obligation of parties; diligence; specialty character; the effect of the negotiable instruments law. Colson's Huffcut, Cases on Negotiable Instruments. Hale.

Four hours, spring term.

226. REAL PROPERTY III. Titles—Conveyancing; original title founded on possession, prescription, statute of limitations, and accretion. Execution and delivery of deeds. Description of property conveyed. Creation of easements. Covenants for title. Estoppel by deed. Recording. Dedication and its effect. Recital of consideration. Gray, Cases on Property (2d ed.) Vol. III, and supplementary cases. James Miller. (Not given 1922-23.)

Four hours, fall term.

227. REAL PROPERTY IV. Landlord and tenant. Creation of relation of landlord and tenant. Duration of tenant's interest. Remedies of landlord. Remedies of tenant. Covenants running with the land as between landlord and tenant. Rights and duties of landlord and tenant with respect to third persons. Landlord's title and reversion. Comparison of leases and agreements to peri-

odic tenancies. Tenancies at will and sufferance; premises and enjoyment and use thereof; rent and advances; termination of tenancy; re-entry and recovery of possession by landlord; renting on shares; interference by third person. (Not to be given in 1922-1923.)

228. REAL PROPERTY V. Wills: Devolution by escheat, intestate succession and testament; nature of wills and testaments; testamentary capacity; testamentary intent; effect of fraud, undue influence or mistake; formalities; incorporation by reference; nullification by revocation, ademption, or lapse, or voidness of legacies or devises, or by other circumstances; gifts causa mortis; gifts in contemplation of death; inheritance laws; contracts to devise or bequeath; kinds of wills; conditional, joint or mutual wills. Competency of witnesses. Gray, Cases on Property, Vol. 4, and supplementary cases. James Miller. (Not given 1922-23.)

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 and titles of 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 on Water Rights, with supplementary stencil material. Justin Miller.

Four hours, fall term.

230. BANKRUPTCY AND INSOLVENCY. This course aims to give a complete exposition of the rights of creditors against insolvent debtors, and the means that may be resorted to in order to make

those rights effective, and includes a consideration of insolvent assignments and conveyances in fraud of creditors as well as the study of the National Bankrupt Act of 1898 and its predecessors. Williston, Cases on Bankruptcy. Decker.

Three hours, winter term.

231. PROCEDURE III. Common law, equity and code pleading. A composite course aimed to give the student a better understanding of Oregon pleading by teaching him its development. Each point is considered with reference first to the common law, then equity, and finally the Oregon Code. Sunderland, Cases on Common Law Pleading and Cases on Code Pleading; also selected cases on equity pleading and the Oregon Code. (Not given 1922-23.)

Three hours, each term.

232. PROCEDURE IV. Oregon Practice—Organization and jurisdiction of courts; court records and files; proceedings prior to judgment, including service and return of summons and motions relating thereto, appearances, provisional remedies, such as attachment, arrest, etc., *lis pendens*, the trial, exceptions and findings, verdict; the judgment, its entry and satisfaction; proceedings subsequent to judgment, including stay of execution, costs, execution, motion for new trial, appellate proceedings; probate and administration proceedings; special proceedings, including writs of certiorari, mandamus and prohibition; introduction to jurisdiction and procedure of federal courts. Bryson.

Two hours, fall and winter terms.

233. PROCEDURE V. Office Practice—Practical exercises in drafting important legal papers, such as pleadings, contracts, conveyances, mortgages, trusts and wills. Justin Miller.

Two hours, fall and winter terms.

234. PROCEDURE VI. Trial Practice—Course in trying cases before a jury. 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 empaneled, witnesses examined and arguments made to the jury. Local attorneys act as judges. Justin Miller.

Three hours, spring term.

240. CONFLICT OF LAWS. Within the limits of the subject, a comparison is made of theories and practice in different jurisdictions, both in civil matters and in criminal; and attention is given to the special aspects of interstate law in the United States. Lorenzen, Cases on the Conflict of Laws. Decker.

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 state government; 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 for 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. A general survey of the nature, power and obligations of private corporations, with a consideration of the rights and duties of promoters, officers, directors and stockholders, and of the rights of creditors and others against the corporation. The manner of creating and dissolving corporations, the nature of corporate stock, the effect of ultra vires acts, the powers of corporations to purchase shares of stock or to consolidate with other corporations, and the power of Congress and of the Legislature to regulate and control the acts of corporations are among the topics treated. Warren, Cases on Corporations. Warner.

Three hours, winter and spring 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. Bryson.

Three hours, spring term.

SCHOOL OF MEDICINE

FACULTY

P. L. CAMPBELL, A.B., LL.D.	<i>President of the University</i>
RICHARD B. DILLEHUNT, M.D.	<i>Dean</i>
HAROLD B. MYERS, A.B., M.D.	<i>Assistant Dean, Treasurer, Professor and Head of the Department of Pharmacology</i>
JAMES FRANCIS BELL, M.D., L.R.C.P. (London)	<i>Emeritus Professor of Medicine</i>
ANDREW JACKSON GIESY, M.D.	<i>Emeritus Professor of Clinical Gynecology</i>
SIMEON EDWARD JOSEPHI, M.D.	<i>Emeritus Professor of Nervous and Mental Diseases</i>
<hr/>	
WILLIAM F. ALLEN, A.M., Ph.D.	<i>Professor of Anatomy and Head of the Department</i>
ROBERT LOUIS BENSON, A.M., M.D.	<i>Professor of Pathology and Head of the Department</i>
J. B. BILDERBACK, M.D.	<i>Professor of Pediatrics and Head of the Department</i>
GEORGE E. BURGET, B.S., Ph.D.	<i>Professor of Physiology and Head of the Department</i>
J. F. DICKSON, M.D.	<i>Professor of Ophthalmology</i>
HOWARD D. HASKINS, A.B., M.D.	<i>Professor of Biochemistry and Head of the Department</i>
W. B. HOLDEN, M.D.	<i>Acting Clinical Professor of Surgery</i>
EDMUNDE JOHN LABBE, M.D.	<i>Professor of Obstetrics</i>
OLOF LARSELL, A.M., Ph.D.	<i>Professor of Anatomy</i>
ALBERT EDWARD MACKAY, M.D.	<i>Professor of Genito-Urinary Diseases</i>
FRANK R. MENNE, B.S., M.D.	<i>Professor of Pathology</i>
W. A. POWELL, M. D.	<i>Lieutenant Colonel Medical Corps, U. S. A., Professor of Military Science and Tactics</i>
A. E. ROCKEY, M.D.	<i>Acting Clinical Professor of Surgery</i>
H. J. SEARS, A.B., Ph.D.	<i>Professor of Bacteriology and Hygiene and Head of the Department</i>
LAURENCE SELLING, A.B., M.D.	<i>Clinical Professor of Nervous Diseases</i>
HARRY BEAL TORREY, A.B. Ph.D.	<i>Professor of Experimental Biology and Director of Research in Fundamental Sciences</i>
ERNEST FANNING TUCKER, A.B., M.D.	<i>Professor of Gynecology and Head of the Department</i>
GEORGE FLANDERS WILSON, M.D.	<i>Professor of Surgery</i>
<hr/>	
JAMES CULLEN ZAN, M.D.	<i>Associate Professor of Surgery</i>
<hr/>	
ALVIN WALTER BAIRD, A.B., M.D.	<i>Assistant Professor of Surgery</i>
HAROLD C. BEAN, A.B., M.D.	<i>Acting Assistant Professor of Medicine</i>
MARR BISAILLION, M.D.	<i>Acting Assistant Professor of Medicine</i>
I. C. BRILL, A.B., M.D.	<i>Assistant Professor of Clinical Medicine</i>
T. HOMER COFFEN, A.B., M.D.	<i>Assistant Professor of Clinical Medicine</i>
J. EARLE ELSE, M.S., M.D.	<i>Assistant Professor of Surgery</i>
WILMOT C. FOSTER, A.B., M.D.	<i>Assistant Professor of Anatomy</i>
J. ALLEN GILBERT, M.D., Ph.D.	<i>Assistant Professor of Medicine</i>
NOBLE WILEY JONES, A.B., M.D.	<i>Acting Assistant Professor of Medicine</i>
FREDERICK A. KIEHLE, A.B., M.D.	<i>Assistant Professor of Ophthalmology</i>

J. C. ELLIOT KING, A.B., M.D.	Assistant Professor of Dermatology and Syphilology
GEORGE F. KOEHLER, M.D.	Assistant Professor of Medicine
CLARENCE J. MCCUSKER, B.S., M.D.	Assistant Professor of Obstetrics
RALPH CHARLES MATSON, M.D.	Assistant Professor of Medicine and in charge of Tuberculosis Division of Out-Patient Department
RAY W. MATSON, M.D.	Assistant Professor of Medicine and in charge of Tuberculosis Division of Out-Patient Department
JOHN J. PUTNAM, Ph.D.	Assistant Professor of Bacteriology
ARTHUR S. ROSENFELD, A.B., M.D.	Acting Assistant Professor of Medicine
CHARLES E. SEARS, B.S., M.D.	Assistant Professor of Medicine
J. M. SHORT, M.D.	Acting Assistant Professor of Medicine
GEORGE SHATTUCK WHITESIDE, M.D.	Assistant Professor of Genito-Urinary Surgery
OTIS BUCKMINSTER WIGHT, A.B., M.D.	Assistant Professor of Gynecology

GEORGE AINSLIE, M.D.	Associate in Ophthalmology
JOHN N. COCHLAN, 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
B. L. NORDEN, M.D.	Associate in Surgery
HARVEY G. PARKER, M.D.	Associate in Dermatology
GEORGE NORMAN PEASE, A.B., M.D.	Associate in Surgery
PAUL ROCKEY, M.D.	Associate in Surgery
WILLIAM H. SKENE, M.D.	Acting Associate in Gynecology
RALPH C. WALKER, M.D.	Associate in Medicine (Radiology)
RAYMOND E. WATKINS, M.D.	Acting Associate in Gynecology
FRED ZIEGLER, B.S., M.D.	Associate in Surgery

JOHN G. ABELE, M.D.	Acting Instructor in Pediatrics
COURTLAND LINDEN BOOTH, A.B., M.D.	Instructor in Obstetrics
RALPH M. DODSON, M.D.	Acting Instructor in Gynecology
IRA GASTON, M.D.	Acting Instructor in Ophthalmology and Otolaryngology
H. W. HOWARD, M.D.	Instructor in Genito-Urinary Surgery
WARREN C. HUNTER, A.B.	Instructor in Pathology
DONALD H. JESSUP, Phm.G., M.D.	Instructor in Surgery
HARRIET J. LAWRENCE, M.D.	Instructor in Out-Patient Tuberculosis Clinic
J. W. LUCKEY, M.D.	Instructor in Nervous and Mental Diseases
IRVING M. LUPTON, M.D.	Acting Instructor in Ophthalmology and Otolaryngology
IRA A. MANVILLE, A.B., M.D.	Instructor in Physiology
C. U. MOORE, A.M., M.D.	Acting Instructor in Pediatrics
J. M. MURPHY, M.D.	Acting Instructor in Medicine
ALLEN P. NOYES, M.D.	Acting Instructor in Obstetrics
EDWIN E. OSGOOD,	Instructor in Biochemistry
DORWIN PALMER, M.D.	Acting Instructor in Medicine
GEORGE PARRISH, M.D.	Acting Instructor in Public Health
W. F. PATRICK, M.D.	Acting Instructor in Pediatrics
CARLETON P. PYNN,	Instructor in Physiology
LEO RIGEN, M.D.	Instructor in Medicine

EUGENE ROCKEY, M.D.	<i>Instructor in Surgery</i>
JAMES WENDELL ROSENFELD, A.B. M.D.	<i>Instructor in Pediatrics</i>
HOMER P. RUSH, M.D.	<i>Instructor in Physiology</i>
J. HOWARD SMITH, M.D.	<i>Acting Instructor in Pediatrics</i>
J. GUY STROHM, M.D.	<i>Acting Instructor in Genito-Urinary Diseases</i>
CLINTON H. THIENES, A.B.	<i>Instructor in Anatomy</i>
RANDALL F. WHITE, M.D.	<i>Instructor of Pharmacology</i>
B. N. WADE, M.D.	<i>Instructor in Surgery</i>
A. A. WITHAM, A.B., M.D.	<i>Acting Instructor in Medicine</i>

MORRIS L. BRIDGEMAN.....	<i>Assistant in Biochemistry</i>
CARL W. EMMONS	<i>Assistant in Physiology</i>
CHARLES FERGUSON, A.B.	<i>Assistant in Pharmacology</i>
S. SAWAMURA	<i>Assistant in Bacteriology</i>
LESTER T. JONES, A.B.	<i>Assistant in Anatomy</i>
LEO S. LUCAS, A.B.	<i>Assistant in Pathology</i>
ALBERT T. MORRISON,	<i>Assistant in Pharmacology</i>
C. L. OGLE, A.B.	<i>Assistant in Biochemistry</i>
JOHN P. PIEROTH,	<i>Assistant in Physiology</i>
BERTRAND O. WOOD,	<i>Assistant in Anatomy</i>
GRACE YOUNG, B.S.	<i>Research Assistant in Pathology</i>

LUCY I. DAVIS	<i>Secretary-Registrar</i>
BERTHA B. HALLAM	<i>Librarian</i>
EDNA D. CLORIN	<i>Assistant Secretary</i>
MARJORIE MACEWAN	<i>Secretary to the Dean</i>
VALENTINE PRICHARD	<i>Superintendent of Portland Free Dispensary</i>
WREN E. GAINES.....	<i>Building Superintendent and Technician in Physiology</i>
R. WALTER JOHNSON,	<i>Technician in Anatomy</i>
SHERMAN E. REES,	<i>Technician in Pathology</i>
ALOIS TEDISCH,	<i>Technician in Bacteriology</i>

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 to Advanced Standing—Dean, Myers, Menne, Torrey and the Registrar of the University.

Curriculum—Myers, Torrey, H. J. Sears.

Schedule—Myers, Haskins, Burget.

Student Affairs—Benson, Labbe, Sears.

Publications and Catalogue—Allen, Torrey, Myers.

Library—Burget, MacKay, Menne and Miss Hallam (Ex Officio).

Research—Torrey, Benson, Allen.

Representation to Graduate Council—Torrey.

Military Affairs—Powell, Benson, Strohm.

Health—H. C. Bean.

Hospital Relations—Tucker, MacKay, Labbe and Dean.

Budget—Dean, Tucker, Haskins and Miss Davis.

Counselor to Vocational Aid Students—Haskins.

Crippled Children—Dean, McClure, Akin.

Portland Free Dispensary—Dean, Tucker, Myers, Else.

HISTORY

The Medical School of the University of Oregon was established at Portland in 1887 by a charter from the Regents of the University.

The 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 the Willamette University retired permanently from the field of medical education, and transferred its entire enrollment, numbering forty, to the State School in the city of Portland, and arrangements were effected so that the students of the Willamette University were graduated during the course of the following three years, and received degrees indicative of the merger of the two schools, and the alumni of both schools are consolidated under the Medical School of the University of Oregon, which becomes at once the sole school of medicine in the Pacific Northwest, thus serving the largest territory in the United States, served 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, has been projected and is expected to be ready for occupancy in 1922.

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 this hospital is now well under way and will be completed in 1922. This unit will provide one hundred and twenty-five beds

and excellent accessory clinical 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 and the Portland Sanitarium.

The care of all indigent crippled children of the state by the School of Medicine is provided by law.

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. Out-patient visits totalled 11,000 in 1919-20. Small groups of third and fourth year students are assigned to daily dispensary service under the immediate supervision of an instructor.

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.

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 Jones Lecture was presented in June, 1920 by Professor Ludwig Hektoen, Professor of Pathology in the University of Chicago. The second lecture was given by Professor Wm. Ophuls, Dean of the Leland Stanford Junior University Medical School on May 31 and June 1, 1921.

SCHOLARSHIPS

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

These scholarships are awarded on the basis of high standard of work in 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.

Application 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.

Those winning the scholarships in 1921 were: FULL SCHOLARSHIP, Richard Thompson, A.B. HALF SCHOLARSHIPS, Ira A. Manville, A.B., Rieta Campbell Hough, A.B.

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.

President	George A. Cathy, M.D., Portland, Oregon
First Vice-President	C. E. Stafrin, M.D., Portland, Oregon
Second Vice-President	Fred E. Adams, M.D., Eugene, Oregon
Third Vice-President	C. H. Palmer, M.D., Portland, Oregon
Fourth Vice-President	L. J. Johnson, M.D., Marshfield, Oregon
Treasurer	Kitty Plummer Gray, M.D., Portland, Oregon
Secretary	A. G. Bettman, M.D., Portland, Oregon

ADMISSION PROCEDURE

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 (9 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.

MATRICULATION AND REGISTRATION

The new student is required, (a) to present, on matriculation day, his admission credits, if not previously presented, and his letter of honorable dismissal from previous college; and (b) to pay the matriculation fee and fees and deposits for the ensuing term.

Any of the above may be done by correspondence or otherwise, but the student must present himself on registration day for approval of credentials and assignment to classes.

Application for admission will not be considered later than October 9, and an extra charge of five dollars (\$5.00) will be made for registration later than October 2.

Matriculation and registration will be conducted at the office of the Assistant Dean in the Medical School building.

FEES AND DEPOSITS

Matriculation Fee.—A matriculation fee of five dollars (\$5), is required of every student entering the Medical School, and is payable but once.

Tuition.—The tuition for each year is one hundred and fifty dollars (\$150) payable at the beginning of the school year. (This fee includes all laboratory fees).

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. A plan is arranged with the manufacturing houses whereby the medical school stands sponsor for the student in making payments over an extended period of time.

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.

All fees are payable in advance at the time of matriculation. Fees are not returnable at any time, except by special action of the faculty.

The faculty reserves the right to make changes in curriculum, fees or any other matter at any time.

If a special examination is granted, a fee of \$5 must be paid 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 complied fully with the requirements for admission to this Medical School. Credits will be given to students from other recognized medical institutions, the requirements for admission and standard of work of which are equivalent to those of this Medical School upon presentation of credentials from proper authority. Such student must submit a certificate of honorable discharge from his previous college, as well as evidence (such as laboratory notebooks) of the exact amount of work he has successfully completed there, both of which are subject to the approval of the heads of the department involved and of the Dean.

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 above 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

By a recent enactment, the curriculum of the School of Medicine, from October, 1921, will include, as an integral part of itself, what are now known as the premedical years of the college course. It will thus comprise *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 will be designated in the future 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 sixty. Completion of the third year does not therefore, guarantee admission to the fourth year. When, owing to the number of candidates a choice between them becomes necessary, scholarship, thoroughness of preparation and personal fitness for the profession of medicine will determine the selection.

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 the seven-year course in medicine are identical with the requirements for admission to the College of Literature, Science and the Arts at Eugene.

COURSE OF STUDY FOR THE FIRST THREE YEARS OF MEDICINE
TAKEN IN EUGENE

FRESHMAN	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
General Chemistry	5	5	5
Animal Biology	4	4	4
Military Science (men) or Personal Hygiene (women)	1	1	1
Physical Education	1	1	1
Practical Ethics (women)	1/3	1/3	1/3
Electives	4-6	4-6	4-6
	<u>15-17</u>	<u>15-17</u>	<u>15-17</u>

SOPHOMORE

Advanced courses in Zoology	4	4	4
Chemistry (organic; quantitative)	4	4	4
Physics	3-4	3-4	3-4
Military Science (men)	1	1	1
Physical Education	1	1	1
*Electives	4-5	4-5	4-5
	<u>17-18</u>	<u>17-18</u>	<u>17-18</u>

*Work in French or German should be elected in sufficient amount to insure a reading knowledge of one, or preferably of both languages. As a preparation for advanced work in physiology, biochemistry and experimental medicine mathematics through the calculus is recommended.

JUNIOR

	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Physiology of the Nervous System and Sense Organs	4		
Introductory Bacteriology		4	
General Physiology			4
Physical Chemistry	3		
Psychology		3	3
Written English	2-3	2-3	2-3
Elective	7-8	7-8	7-8
	<u>16-18</u>	<u>16-18</u>	<u>16-18</u>

FOURTH YEAR

	Fall Term			Winter Term			Spring Term		
	Lec. Hrs.	Lab. Hrs.	Cred- its	Lec. Hrs.	Lab. Hrs.	Cred- its	Lec. Hrs.	Lab. Hrs.	Cred- its
Required:									
Anatomy—gross	4	9	7	4	9	7	4	9	7
Histology	4	9	7						
Embryology				2	6	4			
Biochemistry	3	9	6	3	9	6			
Physiology							3	6	5
Bacteriology							4	12	8
Military Training	2	2		2		2	2		2
Elective—Optional.									

FIFTH YEAR

	Fall Term			Winter Term			Spring Term		
	Lec. Hrs.	Lab. Hrs.	Cred- its	Lec. Hrs.	Lab. Hrs.	Cred- its	Lec. Hrs.	Lab. Hrs.	Cred- its
Required:									
Neurology	2	6	4						
Physiology	3	6	5	3	6	5			
Pathology	4	12	8	3	9	6			
Pharmacology				5		5	5	6	7
Medicine 1				1		1	2		2
Medicine 2							2		2
Obstetrics							2		2
Surgery							2		2
Lab Diagnosis							3	9	6
Elective—Required, Fall and Winter Terms Optional, Spring Term.									

The schedules for the sixth and seventh years are in process of revision. They will appear in the Bulletin of the School of Medicine for 1922-23.

Departments of Instruction

DEPARTMENT OF ANATOMY

WILLIAM F. ALLEN, Ph.D.	<i>Professor of Anatomy</i>
OLOF LARSELL, Ph.D.	<i>Professor of Anatomy</i>
WILMOT C. FOSTER, M.D.	<i>Assistant Professor of Anatomy</i>
C. STEWART MENZIES, M.D.	<i>Associate in Anatomy</i>
CLINTON THIENES, A.B.	<i>Instructor in Anatomy</i>
LESTER T. JONES, A.B.	<i>Assistant in Anatomy</i>
BERTRAND WOOD	<i>Assistant in Anatomy</i>
R. WALTER JOHNSON	<i>Technician</i>

REQUIRED COURSES

101. GROSS ANATOMY. Each student dissects a lateral half of a body, studying the osteology of the region covered. The work is divided into three parts: 1a, Head and Neck, 13 hours a week, first term; 1b, Arm and Thorax, 13 hours, second term; 1c, Abdomen and Leg, 13 hours, third term. Foster, Jones, Wood.

102. HISTOLOGY. Includes a microscopical study of the tissues and organs of the human body, incorporating in many instances a study of their nerve and vascular supply. Four lectures and recitations and 9 hours laboratory work per week. Larsell, Thienes.

103. EMBRYOLOGY. This course pre-supposes a knowledge of maturation, fertilization, segmentation, origin of germ layers and early development of the general systems in some vertebrate. Lectures deal with the development of the human embryo supplemented with laboratory work on the development of the various systems in pig and human embryos. Two lectures and six laboratory hours per week. Allen and Larsell.

104. NEUROLOGY AND ORGANS OF SPECIAL SENSE. A study of the mechanism of the nervous system. Dissection of the human brain is accomplished by a study of Weigert series of the brain stem and cord, and by Marchi, Nissl and silver preparations of certain regions. Two lectures and recitations and six hours laboratory work per week. Allen and Thienes.

ELECTIVE COURSES

105. MICROSCOPICAL TECHNIQUE. Laboratory instruction is offered in the preparation of slides for microscopic examination,

the use of stains and fixing fluids and special methods. Limited to six students. Pre-requisite, Courses 102 or 103; 33 hours; one credit. Larsell and Johnson.

201. TOPOGRAPHICAL ANATOMY. Entails a study and drawings of serial sections of the body. Limited to fifteen students. Pre-requisite, Course 101. Foster.

202. APPLIED ANATOMY. Lectures and demonstrations in surface anatomy and surgically important anatomy. Prerequisite, Course 101. Menzies.

203. SPECIAL DISSECTIONS. Limited to available material. Prerequisite, Course 101; hours and credits to be arranged. Foster.

204. ADVANCED HISTOLOGY. Advanced work in this subject will be offered to meet the needs of the student electing it. Limited to ten students. Prerequisite, Course 102. Larsell.

205. EXPERIMENTAL NEUROLOGY. A study of the mechanism of the central nervous system as determined by experimental methods. Limited to four students. Prerequisite, Course 104. Allen.

206. SEMINAR AND JOURNAL CLUB. Includes anatomical staff, graduates and advanced students. Allen.

207. RESEARCH. Research in any branch of anatomy is open to qualified students upon approval of any of the instructors. Hours and credits to be arranged. Allen, Larsell and Foster.

DEPARTMENT OF BIOCHEMISTRY

HOWARD D. HASKINS, M.D.	<i>Professor of Biochemistry</i>
EDWIN E. OSGOOD	<i>Instructor in Biochemistry</i>
C. L. OGLE, A.B.	<i>Assistant in Biochemistry</i>
MORRIS BRIDGEMAN	<i>Assistant in Biochemistry</i>

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, 12 credits. Haskins, Osgood.

DEPARTMENT OF PHYSIOLOGY

GEORGE E. BURGET, Ph.D.	Professor of Physiology
HOMER P. RUSH, M.D.	Instructor in Physiology
IRA A. MANVILLE, A.B.	Instructor in Physiology
CARLETON P. PYNN	Instructor in Physiology
CARL W. EMMONS	Assistant in Physiology
JOHN P. PIEROTH	Assistant in Physiology

REQUIRED COURSES

101. PHYSIOLOGY OF BLOOD, CIRCULATION AND RESPIRATION. Prerequisite, Physiological Chemistry. Lectures and recitations. Burget, Rush, Manville, Pieroth, Emmons, Pynn. *Spring term.*

102. PHYSIOLOGY OF DIGESTION, METABOLISM, ABSORPTION, SECRETION, EXCRETION, MUSCLES AND HEAT. Prerequisite, Physiology 101. Lectures, recitations and laboratory. Burget, Rush, Manville, Pieroth, Emmons. *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, Rush, Manville, Pieroth, Emmons. *Five hours, winter term.*

ELECTIVE COURSES

201. SPECIAL PHYSIOLOGY OF MAMMALS. A laboratory course including experiments not given in the general courses. Prerequisite, Physiology 101, 102, 103. Laboratory. Burget, Pynn. *Winter term.*

202. SPECIAL PHYSIOLOGY OF THE GLANDS OF INTERNAL SECRETION. Prerequisite, Physiology 101, 102, 103. Lectures and laboratory work. Burget, Pynn. *Spring term.*

203. RESEARCH WORK IN PHYSIOLOGY. Each term. Burget.

DEPARTMENT OF EXPERIMENTAL BIOLOGY

HARRY BEAL TORREY, Ph.D.	Professor of Experimental Biology
.....	Assistant in Experimental Biology
.....	Assistant in Experimental Biology

The courses in this new department may be offered as electives in the medical curriculum or in partial fulfillment of major or minor requirements for the master's degree. They are open to regular and special students who are qualified for research in this field.

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. One hour. Torrey.

DEPARTMENT OF BACTERIOLOGY AND HYGIENE

HARRY J. SEARS, Ph.D.	<i>Professor of Bacteriology</i>
JOHN J. PUTNAM, Ph.D.	<i>Assistant Professor of Bacteriology</i>
GEORGE PARRISH, M.D.	<i>Acting Instructor in Public Health</i>
S. SAWAMURA	<i>Assistant in Bacteriology</i>
ALOIS TEDISCH,	<i>Technician</i>

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.

102. PUBLIC HEALTH. A course of lectures on the principles of public health together with field work and demonstrations of public health administration in connection with the Bureau of Public Health of Portland. Two credits. Parrish.

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. Hours and credit by arrangement. Sears, Putnam.

DEPARTMENT OF PATHOLOGY

ROBERT L. BENSON, M.D.	<i>Professor of Pathology</i>
FRANK R. MENNE, M.D.	<i>Professor of Pathology</i>
WARREN C. HUNTER, A.B.	<i>Instructor in Pathology</i>
LEO S. LUCAS, A.B.	<i>Assistant in Pathology</i>
GRACE YOUNG, B.S.	<i>Research Assistant in Pathology</i>
S. E. REESE	<i>Technician</i>

The pathological museum is comprehensive. Gross and microscopic tissues are received from the surgical clinics of the Portland hospitals and from the autopsies of the Coroner's office.

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.

ELECTIVE COURSES

201. STUDY OF AUTOPSIES. For fifth year students. Benson, Menne.

202. AUTOPSY COURSE. Attendance at autopsies and demonstration of fresh material from recent autopsies. Hours to be arranged. Benson, Menne.

203. AUTOPSY CLINIC. Includes a presentation of clinical history by clinician. Open to seventh year students and physicians. Benson, Menne.

204. RESEARCH. Open to especially qualified students. Hours to be arranged. Benson, Menne.

A course in Surgical Pathology is given in the Department of Surgery.

DEPARTMENT OF PHARMACOLOGY

HAROLD B. MYERS, A.B., M.D.	Professor of Pharmacology
RANDALL F. WHITE, M.D.	Assistant Professor in Pharmacology
CHARLES FERGUSON, A.B.	Instructor in Pharmacology
ALBERT T. MORRISON,	Assistant in Pharmacology

Instruction in this department aims to give a practical working knowledge of the materia medica of drugs in more common use, their reaction with living tissue and their use in the treatment of disease. Laboratory work is correlated as closely as possible with didactic instruction.

REQUIRED COURSES

101. SYSTEMATIC PHARMACOLOGY AND PRESCRIPTION WRITING. Most of the time in this course is spent in studying drugs whose chief action is locally confined. Prescription writing, utilizing both the metric and apothecaries systems is taken up in the latter part of this course. Three lectures and two quizzes per week during the second term. Myers.

102. SYSTEMATIC PHARMACOLOGY AND PHARMACODYNAMICS. Drugs whose chief action occurs from systemic circulation are studied in this course. One laboratory each week is devoted to the materia medica of drug groups. Another laboratory session each week is utilized for considering the reactions of drugs with living tissues. Conferences are held to correlate and explain the results obtained by different groups in the laboratory. Five didactic and six laboratory hours each week during the third term. Myers and White.

ELECTIVE COURSES

201. TOXICOLOGY. The toxic action of drugs in overdosage or in those manifesting an idiosyncrasy is studied in this course. The manner of action of antidotes and the isolation and detection of poisons is presented in laboratory work. The treatment of poisons, based upon an understanding of their pharmacological site and manner of action, their fate and excretion is stressed. Two hours didactic and two hours laboratory work each week during the third term. Myers.

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. Hours and credits to be arranged. Myers.

203. APPLIED PHARMACOLOGY. Students in the sixth and seventh years are shown evidences of drug action in clinical subjects in the division of internal medicine of the Portland Free Dispensary. Indications for drug action are discussed following physical examination and the evidences of drug action shown on subsequent visits of the patient. Prescription writing is put into practice in this clinic. Myers.

*DEPARTMENT OF MEDICINE

SUBDIVISIONS:

Nervous and Mental Diseases
Dermatology and Syphilology

JAMES F. BELL, M.D., L.R.C.P. (London)	.....	Professor Emeritus of Medicine
J. ALLEN GILBERT, Ph.D., M.D.	.....	Assistant Professor of Medicine
T. HOMER COFFEN, A.B., M.D.	.....	Assistant Professor of Clinical Medicine
RALPH C. MATSON, M.D.	.....	Assistant Professor of Medicine
RAY W. MATSON, M.D.	.....	Assistant Professor of Medicine
CHARLES E. SEARS, M.D.	.....	Assistant Professor of Medicine
I. C. BRILL, A.B., M.D.	.....	Assistant Professor of Clinical Medicine
GEORGE F. KOEHLER, M.D.	.....	Assistant Professor of Medicine
NOBLE WILEY JONES, A.B., M.D.	.....	Acting Assistant Professor of Medicine
HAROLD C. BEAN, A.B., M.D.	.....	Acting Assistant Professor of Medicine
ARTHUR S. ROSENFELD, A.B., M.D.	.....	Instructor in Medicine
J. M. SHORT, M.D.	.....	Instructor in Medicine
MARR BISAILLON, M.D.	.....	Associate in Medicine
A. A. WITHAM, M.D.	.....	Acting Instructor in Medicine
LEO RIGEN, M.D.	.....	Instructor in Medicine
RALPH C. WALKER	.....	Associate in Medicine
AGNES M. MCGEE, R.N.	.....	Acting Instructor in Medicine
ANNE SNYDER, R.N.	.....	Acting Instructor in Medicine
DORWIN PALMER, M.D.	.....	Instructor in Radiology

FIFTH YEAR COURSES

1a. ELEMENTARY MEDICINE. A course of quizzes on the principles of medicine, using a standard text book as a guide. Two hours a week, second semester, fifth year. Dr. Witham.

2a. PHYSICAL DIAGNOSIS. A didactic presentation of the fundamental principles of physical diagnosis, with practical application upon the normal. Two hours a week, second semester; two credit hours. Dr. Bisailon.

3. LABORATORY DIAGNOSIS. This is a practical course in diagnostic methods, both chemical and microscopical. Especial attention is given to blood analysis, the work including all of the newer

*The courses in this department will be adjusted to the term basis during the coming year.

methods that are of clinical importance. Three lectures and three two-hour periods per week during the third term, fifth year. Six credits. Professor Haskins and Mr. Osgood.

SIXTH YEAR COURSE

1b. **ELEMENTARY MEDICINE.** Continuation of the didactic presentation of the more common diseases, utilizing standard text book for a guide. Two hours a week, first semester and one hour a week, second semester, sixth year. Witham.

2b. **PHYSICAL DIAGNOSIS.** The methods utilized in physical diagnosis for the determination of pathological conditions are explained. Members of the class are given individual instruction in studying these methods, utilizing clinical material in the county hospital. Two hours a week, first semester; two credit hours. Dr. Bisailon.

4. **DIETETICS.** Instruction in dietetics emphasizing the dietary requirements in gastrointestinal diseases and in the disturbances in metabolism in which dietary treatment is of fundamental importance. One hour a week. Dr. Dorwin Palmer.

5. **MEDICAL CLINICS.** Presentation of clinical material at St. Vincent's hospital. Two hours a week, both semesters, sixth year. Drs. H. C. Bean and I. C. Brill.

6. **MEDICAL CLINICS.** Presentation of clinical material at the Multnomah county hospital. One hour a week, both semesters, sixth year. Rosenfeld.

7. **MEDICAL CLINICS.** Presentation of clinical material at the Multnomah county hospital. One hour a week, first semester, sixth year. Short.

8. **ANESTHESIA.** Individual instruction is offered to members of the class in rotation, during administrations of anesthesia in clinics at the St. Vincent's hospital. One hour a week, second semester, sixth year. McGee and Snyder.

9. **DISPENSARY.** Sections of the class are assigned to cases at the Portland Free Dispensary. History-taking and physical diagnosis are carried out under supervision. Six hours a week, both semesters, sixth year. Myers, Rosenfeld, Witham and Rican.

SEVENTH YEAR COURSES

10. **MEDICAL CLINICS.** Clinical instruction is offered in the medical service at the Multnomah county hospital. Two hours a week, both semesters. Drs. Short and Rosenfeld.

11. **MEDICAL CLINICS.** Clinical instruction is offered in the medical service at the St. Vincent's hospital. Four hours a week, both semesters, seventh year. Coffen and Scars.

12. **CLINICAL CLERKSHIP.** Sections of the class are assigned for a semi-semester as clinical clerks in the medical service at St. Vincent's hospital. During this service each member of the section will record the histories of cases assigned to him, make complete physical examinations and such laboratory tests as may be required in arriving at a diagnosis. This service is carried out in conjunction with Course 11.

13. **MEDICAL CLINICS.** Bedside clinics utilizing the material in the medical service at St. Vincent's hospital. One hour a week, first semester. Dr. Gilbert.

14. **GASTROENTEROLOGY.** Systemic study of diseases of the gastrointestinal tract following the outline of a standard text and utilizing clinical material for the purpose of illustration. One hour a week, first semester; two hours second semester. Drs. Koehler and Palmer.

15. **MEDICAL CLINICS.** The class is divided into two sections assigned for semi-semester periods for clinical instruction in the Portland Medical hospital and the medical service of the Multnomah county hospital. The sections alternate at the mid-semester. Two hours a week, second semester. Jones.

16. **MEDICAL CLINICS IN TUBERCULOSIS.** The abundant material in the Tuberculosis division of the Portland Free Dispensary is utilized for demonstrating physical signs of Tuberculosis and in illustrating the didactic presentation of the signs, symptoms and treatment of Tuberculosis. Two hours a week, both semesters, seventh year. R. C. and R. W. Matson and Bisallion.

17. **PRESCRIPTION WRITING.** Practice in the writing of prescriptions to meet symptomatic requirements in some of the more common diseases. One hour a week, second semester. One credit hour. Professor Bell.

18. RADIOLOGY AND RADIOTHERAPY. The use of the Roentgen rays, radium and actiontherapy in the treatment of diseases. Two hours a week, second semester, seventh year. Walker and Vinson.

NERVOUS AND MENTAL DISEASES

LAURENCE SELLING, A.B., M.D. *Clinical Prof. of Nervous and Mental Diseases*
 HENRY VIETS, A.B., M.D. *Lecturer, Nervous and Mental Diseases*
 J. W. LUCKEY, M.D. *Instructor in Nervous and Mental Diseases*

The work of this division of medicine is confined to the sixth and seventh years, and is conducted diadactically and clinically as well as by the work in the dispensary.

1. NERVOUS DISEASES. A course embracing the neuroses, certain organic diseases of the symptomatology, diagnosis and treatment of organic diseases of the spinal cord and nerves. Two hours a week, second semester, sixth year. Two credit hours. Selling.

2. DISEASES OF THE MIND AND NERVOUS SYSTEM. A course embracing the neuroses, certain organic diseases of the brain, aphasias, brain localization and insanity. Two hours a week, first semester, seventh year. Two credit hours. Selling.

3. NEURO-PSYCHIATRY.* A course of lectures and clinical demonstrations in Neuro-Psychiatry. Two hours a week for ten weeks, second semester, seventh year. One credit hour. Viets.

4. CLINIC. A clinic at Morningside Hospital for Insane (by courtesy of Dr. Henry Waldo Coe). In this will be demonstrated differentiation of the various types of insanity. Two hours a week during March, seventh year. One-fourth credit hour. Luckey.

5. PSYCHIATRY. A didactic discussion utilizing available clinical material illustrating the influence of psychopathic conditions in disease. One hour a week, second semester, seventh year. One credit hour. Dr. Gilbert.

DERMATOLOGY AND SYPHILOLOGY

J. C. ELLIOT KING, A.B., M.D. *Assistant Prof. of Dermatology and Syphilology*
 HARVEY G. PARKER, M.D. *Associate in Dermatology and Syphilology*

Lectures, recitations, demonstrations and clinical work will be conducted in dermatology and syphilis in the clinical years.

*Presented by Dr. Viets while stationed in Portland to conduct a survey of the method of caring for the insane in Multnomah County; requested by the commissioners of Multnomah County, and conducted under the supervision of the National Committee on Mental Hygiene.

1. **INTRODUCTORY DERMATOLOGY.** A lecture and recitation course in the fundamentals of dermatology and in the more prevalent diseases of the skin. Illustrative cases will be exhibited from time to time. Two hours a week, second semester, sixth year. Two credit hours. King.

2. **DERMATOLOGY AND SYPHILIS.** A continuation of Course 1. Two hours a week, first semester, seventh year. Two credit hours. King.

3. **DISPENSARY.** Clinical instruction is offered in the dermatological division of the Portland Free Dispensary. Two hours a week, both semesters, seventh year. King and Parker.

*DEPARTMENT OF PEDIATRICS

J. B. BILDERBACK, M.D.	<i>Professor of Pediatrics</i>
JAMES W. ROSENFELD, A.B., M.D.	<i>Instructor in Pediatrics</i>
C. U. MOORE, A.M., M.D.	<i>Acting Instructor in Pediatrics</i>
W. F. PATRICK, M.D.	<i>Acting Instructor in Pediatrics</i>
L. HOWARD SMITH, M.D.	<i>Acting Instructor in Pediatrics</i>
JOHN G. ABELE, M.D.	<i>Acting Instructor in Pediatrics</i>

Instruction in this department is conducted by means of lectures, conferences and clinical work at the dispensary, by bedside clinics at the baby-homes and in the well-baby clinic located in the Neighborhood House.

1. **ANATOMY, PHYSIOLOGY AND HYGIENE OF INFANCY AND CHILDHOOD.** Lectures and quizzes are conducted in the anatomy, physiology and hygiene of infancy and childhood, and principles of infant feeding, and in the disorders of nutrition in infancy. Two hours a week, first semester, sixth year. Two credit hours. Noyes.

2. **APPLIED INFANT FEEDING.** Sections of the class are taken into the baby homes and given bedside instruction in the arranging and correction of infant dietary. One hour a week, second semester, sixth year. One-half credit hour. Noyes.

3. **DISEASES OF INFANCY AND CHILDHOOD.** A conference and lecture course in diseases of infancy and childhood. Two hours a week, first semester, seventh year. Two credit hours. Bilderback.

*The courses in this department will be adjusted to the term basis during the coming year.

4. DISEASES OF INFANCY AND CHILDHOOD. A continuation of work begun in Course 3. Two hours a week, second semester, seventh year. Two hours credit. Bilderback.

5. PEDIATRIC CLERKSHIP. Bedside instruction in the Waverley Home, assigning cases to individual students. Four hours a week, first semester, seventh year. Two hours credit. Patrick.

6. PEDIATRIC CLERKSHIP. A continuation of the work outlined in Course 5. Two hours a week, second semester, seventh year. One credit hour. Patrick.

7. PEDIATRIC CLINIC. Presentation of clinical material in the pediatric service of the Multnomah county hospital. One hour a week, second semester, seventh year. One-half credit hour. Moore.

8. WELL-BABY CLINIC. The clinic of the Infant Welfare Society, in the Jewish Neighborhood House, is utilized for presenting instruction in the care of well babies and the prevention of disease. One hour a week, second semester, seventh year. One-half credit hour. Moore.

9. DISPENSARY WORK. In this course small groups are assigned to the pediatric division and are given practice in taking histories, physical diagnosis, laboratory work, clinical observation and treatment. Six hours a week, both semesters, seventh year. Rosenfeld, Moore and Smith.

*DEPARTMENT OF SURGERY

GEORGE F. WILSON, M.D.	Professor of Surgery
JAMES C. ZAN, M.D.	Associate Professor of Surgery
W. B. HOLDEN, M.D.	Acting Clinical Professor of Surgery
A. E. ROCKEY, M.D.	Acting Clinical Professor of Surgery
ALVIN W. BAIRD, A.B., M.D.	Assistant Professor of Surgery
J. EARL ELSE, M.S., M.D.	Assistant Professor of Surgery
L. H. HAMILTON, A.B., M.D.	Associate in Surgery
GEORGE NORMAN PEASE, A.B., M.D.	Associate in Surgery
PAUL ROCKEY, M.D.	Associate in Surgery
C. R. McCLURE, M.D.	Associate in Surgery
FRED ZIEGLER, B.S., M.D.	Associate in Surgery
B. L. NORDEN, M.D.	Associate in Surgery
DONALD H. JESSOP, Phm.G., M.D.	Instructor in Surgery
BEN N. WADE, M.D.	Instructor in Surgery
EUGENE ROCKEY, M.D.	Instructor in Surgery

*The courses in this department will be adjusted to the term basis during the coming year.

It is the purpose of this department to present the subjects of Surgery in a thoroughly scientific manner, emphasizing the importance of a basic knowledge of Pathology and the principles of Diagnosis.

The work for this department begins with recitations and lectures upon the principles of Surgery, in the second semester of the fifth year. The clinical work begins with service in the dispensary the first semester of the sixth year, and is continued at the various hospitals through the sixth and seventh years.

1. SURGERY RECITATION. This course consists of recitations and lectures upon the principles of Surgery, with definite assignments in a textbook of Surgery. Three hours a week; last semester of the fifth year and the first semester of the sixth year. Six credit hours. Dr. Paul Rokey.

2. SURGICAL DISPENSARY. The patients are assigned to the students for examination and history writing. After the student has examined the patient he discusses the case with the instructor and the treatment is outlined. (Insofar as is possible, the students do the work under the direction of the instructor.) Three hours a week, one semester, sixth year. One and one-half credit hours. Wade.

3. MINOR SURGERY AND BANDAGING. In this course the technique of minor surgery and bandaging is demonstrated. One hour a week, first semester, sixth year. One credit hour. Ziegler.

4. ORTHOPEDIC SURGERY. A lecture and clinical course in Orthopedic Surgery. Two hours a week, second semester, sixth year. Two credit hours. McClure.

5. SURGICAL CLINIC. The class is divided into two groups, one group being assigned to the Good Samaritan hospital for the first semester of the seventh year, and the other group to the Portland Surgical hospital. The groups change at the beginning of the second semester. Four hours a week throughout the seventh year. Four credit hours. Acting Professors Rokey and Holden, Drs. Paul Rokey and E. W. Rokey.

6. SURGERY OF THE EXTREMITIES. A course in Surgery of the extremities dealing particularly with traumatic disabilities. Special reference to bones and joints, including fractures and disloca-

tions. Two hours a week, first semester, seventh year. Professors Wilson and Dillehunt. Two credit hours.

7. **SURGICAL PATHOLOGY AND SURGICAL DIAGNOSIS.** In this course the subject is approached in two different ways. First, pathologic material which has been removed at operation is presented, and after being demonstrated, the symptoms which such pathologic lesions could produce are discussed. Second, patients are presented and after the history has been read and the symptoms discussed, the various pathologic conditions that might produce those symptoms are considered and a diagnosis arrived at by exclusion. X-ray plates, lantern slides, and microscopic slides are used. Two hours a week the entire year. Four credit hours. Assistant Professor Else.

8. **GENERAL SURGERY CLINIC.** A course in which the patient is presented and the symptoms and signs upon which the diagnosis is made are discussed and the operative technique demonstrated. One hour a week during the first semester of the seventh year. One credit hour. Professor Tucker and Dr. Hamilton.

9. **SURGICAL CLINIC.** A clinic in general surgery. The class is divided into two sections, the sections changing instructors on the first of April so that each student receives instruction from both instructors. Four hours a week, second semester, seventh year. Two credit hours. Assistant Professor Baird and Dr. Pease.

10. **COMMON SURGICAL DISEASES.** A lecture and conference course involving a discussion of the pathology, diagnosis, and treatment of the more common surgical diseases. Two hours a week, second semester, seventh year. Two credit hours. Baird.

11. **ANAESTHESIA.** Individual instruction in the administration of anesthetics at St. Vincent's Hospital. One hour a week, seventh year. McGee and Snyder.

GENITO-URINARY DISEASES

ALBERT E. MACKAY, M.D. *Professor of Genito-Urinary Diseases*
 GEORGE S. WHITESIDE, M.D. *Assistant Professor of Genito-Urinary Diseases*
 H. W. HOWARD, M.D. *Instructor in Genito-Urinary Diseases*
 J. GUY STROHM, B.S., M.D. *Acting Instructor in Genito-Urinary Diseases*

Diseases of the genito-urinary tracts will be considered didactically and clinically in the sixth and seventh years. Practical work will be given at the dispensary in cystoscopy, urethral, catheterization and modern methods of treatment.

1. Lecture and conference in anatomy and physiology of the genito-urinary tract and study of the diseases affecting it, with clinics during the course. Two hours a week, second semester, sixth year. Two credit hours. MacKay.

2. Continuation of didactic instruction begun in sixth year, utilizing clinical material illustrating work presented in lectures. Two hours a week, first semester, seventh year. Two credit hours. MacKay.

3. Sections of the class are assigned, in rotation, to genito-urinary divisions of the Portland Free Dispensary. Professor Sears of the Department of Bacteriology and Hygiene offers instruction in these clinics on diagnostic methods, including dark-field illumination and serologic tests. Six hours a week, both semesters, seventh year. Howard and Strohm.

OPHTHALMOLOGY, OTOTOLOGY, RHINOLOGY AND LARYNGOLOGY

J. F. DICKSON, M.D.	<i>Professor of Ophthalmology</i>
FREDERICK A. KIEHLE, A.B., M.D.	<i>Assistant Professor of Ophthalmology</i>
GEORGE AINSLIE, M.D.	<i>Associate in Ophthalmology</i>
JOHN N. COGHLAN, M.D.	<i>Associate in Otology</i>
RALPH A. FENTON, A.B., M.D.	<i>Associate in Rhinology and Laryngology</i>
IRA A. GASTON, M.D.	<i>Acting Instructor in Ophthalmology and Otology</i>
IRVING M. LUPTON, M.D.	<i>Acting Instructor in Ophthalmology and Otology</i>

These branches will be taught separately in the elementary work by means of lectures, demonstrations and recitations, and minor surgery in the clinics during the sixth year. A more advanced course will be given in the seventh year, including major surgery.

1. **EYE.** A lecture and quiz course in the anatomy and physiology of the eye and its more prevalent diseases. One hour a week, second semester, sixth year. One credit hour. Ainslie.

2. **EAR, NOSE AND THROAT.** A course of lectures and quizzes in the anatomy and physiology of the ear, nose and throat and the pathology, diagnosis and treatment of their disorders. One hour a week, first semester, seventh year. One credit hour. Kiehle.

3. **DISEASE OF THE EYE.** An advanced course of lectures and clinics in the pathology, diagnosis and treatment of affections of the eye. Two hours a week, first semester, seventh year. Two credit hours. Dickson.

4. DISPENSARY. The abundant material in the Eye, Ear, Nose and Throat division of the Portland Free Dispensary is utilized for clinical instruction. Six hours a week, both semesters, seventh year. Gaston, Lupton.

*DEPARTMENT OF GYNECOLOGY AND OBSTETRICS

Subject Divisions: Gynecology, Obstetrics

GYNECOLOGY

ERNEST F. TUCKER, A.B., M.D.	<i>Professor of Gynecology</i>
OTIS B. WIGHT, A.B., M.D.	<i>Assistant Professor of Gynecology</i>
WM. H. SKENE, M.D.	<i>Acting Associate in Gynecology</i>
RAYMOND E. WATKINS, M.D.	<i>Acting Associate in Gynecology</i>
RALPH M. DOBSON, M.D.	<i>Acting Instructor in Gynecology</i>

Gynecology is taught by lectures, recitations, clinics and dispensary work in the sixth and seventh years.

1. GYNECOLOGY. Lectures and recitations in the anatomy, physiology and pathology of the female pelvic viscera, methods of gynecological examination, and the diagnosis and treatment of pelvic diseases. Two hours a week, second semester, sixth year. Two credit hours. Tucker, Wight, Skene, Watkins.

2. CLINICAL GYNECOLOGY. Lectures and clinics in the clinical diagnosis and medical and surgical treatment of diseases of women. Two hours a week, first semester, seventh year. Two credit hours. Tucker.

3. PRACTICAL GYNECOLOGY. Dispensary work will be assigned to seventh year students. Hours to be arranged. Tucker Wight, Skene, Dodson, Watkins.

OBSTETRICS

EDMUNDE JOHN LABBE, M.D.	<i>Professor of Obstetrics</i>
CLARENCE J. MCCUSKER, B.S., M.D.	<i>Assistant Professor of Obstetrics</i>
ALLEN P. NOYES, M.D.	<i>Instructor in Obstetrics</i>
COURTLAND L. BOOTH, A.B., M.D.	<i>Instructor in Obstetrics</i>

Obstetrics is taught in the fifth, sixth and seventh years in lecture, recitation and practical courses. Normal and pathological cases are demonstrated in hospital clinics and the out-patient service. Practical work is done by each student on the manikin and in

*The courses in this department will be adjusted to the term basis during the coming year,

the conduct of labor, under proper supervision in out-patient work. The student must be in attendance on at least six cases before graduation.

1. **INTRODUCTORY OBSTETRICS.** A lecture and recitation course in the anatomy and physiology of pregnancy, the diagnosis and management of normal pregnancy, and the clinical phenomena of normal labor. Two hours a week, second semester, fifth year. Two credit hours. McCusker.

2. **ADVANCED OBSTETRICS.** A lecture, conference and practical course in the conduct of labor and the diagnosis and treatment of pathologic conditions of pregnancy, labor and the puerperium. Three hours a week, second semester, sixth year. Three credit hours. Labbe or McCusker.

3. **PRACTICAL OBSTETRICS.** A conference and practical course in the conduct of labor and management of abnormal presentations and other complications of labor. Each student is required to do practice work with the manikin. One hour a week, second semester sixth year. One credit hour. Noyes.

4. **OBSTETRICS.** Obstetrical measurements, diagnosis of foetal positions and clinical observations during pregnancy. Two hours a week, second semester, sixth year. Labbe.

5. **ANTE- AND POST-PARTUM CARE.** Small sections of the senior class are given individual instruction on methods of examination, measurement and general care of obstetrical patients before and after delivery. McCusker.

6. **OUT-PATIENT SERVICE.** Cases of confinement will be demonstrated and senior students will be allowed to assist in the conduct of labor in the maternity departments of the various hospitals and in the out-patient service. Hours to be arranged. Entire seventh year. Labbe, McCusker, Noyes and Booth.

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
RONALD REID	.....	Instructor in Pianoforte
MINNIE G. DOUGLASS	.....	Instructor in Pianoforte
ALBERTA POTTER	.....	Instructor in Violin
LORA TESHNER	.....	Instructor in Cello
BRULAH 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.

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:

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

FEEES

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 pub-

lished 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.

In addition to the above scholarships offered by the School of Music, 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

1. **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 1. Coon. *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.

Two hours, each term.

6. KEYBOARD HARMONY AND EAR TRAINING. A course aiming to teach students how to think music in the terms of the piano. Prerequisite, two terms of Course 1 or 5. Evans.

Two hours, one term.

10a, b, c. HISTORY AND APPRECIATION OF MUSIC. Lectures dealing with the evolution of music, and the problems of intelligent listening. Illustrated with the victrola. 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.

15. MUSICAL INTERPRETATION OF MOTION PICTURES. This course is an exposition of the principles underlying the proper adaptation of music to motion pictures, and will appeal to both professional and amateur. Particular emphasis is placed upon practical demonstration and the development of the student's resourcefulness. Organ students will find this course especially valuable. Evans. *Two hours, any 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

101a. STRICT COUNTERPOINT. Constructive counterpoint, including a consideration of the so-called "Harmonic Counterpart." A study of such texts as Fux, Cherubini, Bellerman, Richter and Goetschius, together with the works of Bach, Handel and Wagner. Landsbury. *Two hours, one term.*

101b, c. 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. Pre-requisites Courses 1a, b, c, 2, and 101a. Landsbury. *Two hours, two terms.*

102a, b, c. 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. Pre-requisite Courses 1, 2, 3, 4, 6, 10, 107 and 108. Landsbury. *Two hours, each term.*

103. MUSICAL INTERPRETATION. Open only to piano students of collegiate rank. Especially designed for those who expect to teach. Landsbury. *Two hours, one term.*

123a, b, c. LITERATURE OF THE PIANO. Landsbury. *Two hours, each term.*

GRADUATE DIVISION

201. SEMINAR. A study of present day musical conditions with particular reference to the adjustment of music to the curriculum. Lectures will be given occasionally. 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; he must have completed courses 1a, 1b, 1c, 2, 3, 4, 10, 101a, 101b, 102, 103; 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*
 CATHARINE WINSLOW, Ph.B. *Assistant Professor of Physical Education*
 GERTRUDE B. MANCHESTER *Instructor in Physical Education*
 EMMA W. WATERMAN, B.A. *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*
 EDWIN R. DURNO *Assistant Instructor in Physical Education*
 HENRY FOSTER *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 Advisor for Women*
 DRs. KUYKENDALL, WINNARD, NEAL, HOWARD, BARTLE, DONAHUE, GULLION,
 NELSON, STANNARD.
 MISSES ROBERTSON, MERRY, KIMBROUGH, Mrs. COSABOOM.

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 training. The school was organized to embrace all the work done in Physical Education for both men and women, intercollegiate athletes, 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. Department of Hygiene.
5. 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 preventive 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.

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 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 EXAMINATIONS

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 the first week of this term; on the Saturday preceding the opening of the winter and spring terms and during the first week of these terms. Every effort should be made to have the physical examination completed before regular university work begins, especially in the case of those whose physical condition makes it probable that some modification of the regular work in physical education must be made.

FEEES

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 course which is published at the beginning of the year.

SUITS AND SHOES

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 teachers 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.

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		<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Introduction to Physical Education.....		3	3	3
Animal Biology		4	4	4
Chemistry		4	4	4
Practical Ethics (women)		$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
Personal Hygiene		1	1	1
Language		4	4	4
Military Science (men)		1	1	1
		<u>16-17</u>	<u>16-17</u>	<u>16-17</u>
SOPHOMORE				
Fundamentals of Physical Education.....		3	3	3
Zoology (a) Vertebrate Anatomy.....		4		
(b) Mammalian Anatomy.....			4	
Kinesiology				5
Education 51		3		
52			3	
53				3
Psychology 21 or 31.....	3-4			
1a and 1b.....			3-4	3-4
Language		4	4	4
Sophomore Military (men)		1	1	1
		<u>16-17</u>	<u>16-17</u>	<u>17-18</u>
JUNIOR				
Technique of Gymnastic Teaching.....		2	2	2
Play and Playground Management.....		2	2	3
Physiology		4	4	
Principles and Practice of Individual Gymnastics—				
Elementary Course		3	3	3
Observation Teaching				3
World History		3	3	3
World Literature		2	2	2
Advanced Gymnastics and Coaching of Sports				
(women)		1	1	1
Elementary Dancing (women)		1	1	1
Coaching of Major Sports (men).....		2	2	2
		<u>18</u>	<u>18</u>	<u>18</u>

SENIOR			
	Fall	Winter	Spring
Principles of Physical Education.....	2	2	2
Advanced Gymnastics and Coaching of Sports.....	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
English Writing	2	2	2
Electives: Dancing—Advanced Course, Principles and Practice of Individual Gymnastics—Advanced Course	3	3	3
	17	17	17

NORM IN PHYSICAL EDUCATION

	Fall	Winter	Spring	Totals
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 Course (at least one course).....				2
Participation in 3 sports under supervision (no credit)	—	—	—	—
				35

MINIMUM HOURS FOR RECOMMENDATION TO COACH ONE OR MORE SPORTS AS A SIDE LINE

(This is not a Norm in Physical Education)

1st. Regular required Physical Education for Freshmen and Sophomores (Courses 51 a, b, c, 52 a, b, c).....	6 hours
2nd. Hygiene (Personal), Course 54.....	3 hours
3rd. Theory and Practice of Physical Education.....	6 hours
4th. 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 and 2 (or 3) for women, and 51 and 52 (or 53) for men, are required of all undergraduates in the first two years of residence. Courses 11 and 12 and also 61 and 62 for majors may be considered as fulfilling the Physical Education requirement.

LOWER DIVISION

Courses Primarily for Women

1a, b, c. ELEMENTARY PHYSICAL EDUCATION. Required of all freshman women. Gymnastics with a strong emphasis on posture and development work, squad competition, feats of endurance, strength and agility. Physical Efficiency tests in Fall and Winter. Swimming and outdoor sports in the Spring. Three periods a week.

One hour, each term.

2a, b, c. **ADVANCED PHYSICAL EDUCATION.** Required of sophomore women. A progression of Course 1, with emphasis on more advanced types of gymnastics, military marching, tactics and heavy apparatus, during the fall and winter terms, and sports during spring term. Three periods a week.

One hour, each term.

3a, b, c. **INDIVIDUAL GYMNASTICS.** For students referred for special work. Body-building, posture, foot work, etc., given as small group restrictive, or individual prescriptive, exercise, or massage as indicated. Students referred to this work should adapt their programs to the hours available for this instruction. Three periods a week.

One hour, each term.

4a, 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 freshman year and takes the place of courses 1a, b, c. 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 some of the "tools" of physical education in their relation to the above. Gymnastics, folk dancing and sports. Lectures twice a week, practical work four periods a week.

Three hours, each term.

12a, b, c. **FUNDAMENTALS OF PHYSICAL EDUCATION.** Required of all majors in the sophomore year. Takes the place of course 2a, b, c. This course deals with instruction in advanced gymnastics, games, athletics and swimming three hours per week, and lectures, reading and reports two hours per week on the history of physical education problems of general and intergroup hygiene, physical problems of the gymnasium, play and athletic fields. Prerequisite to principles of physical education.

Three hours, each term.

Courses Primarily for Men

51a, b, c. **ELEMENTARY PHYSICAL EDUCATION.** Required of all freshmen men. 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.

52a, b, c. **ADVANCED PHYSICAL EDUCATION.** Required of all sophomores. Continuation of Course 51, but more advanced in character. Students are required to have engaged in at least three lines or recreational activities before the end of the sophomore year. Three periods a week.

One hour, each term.

53a, b, c. **RESTRICTED PHYSICAL EDUCATION.** A special course for those 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 and 52. Three periods a week.

One hour, each term.

54a, 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.

55a, b, c. **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 physical education 51a, b, c. Three periods a week.

One hour, each term.

61a, b, c. **INTRODUCTION TO PHYSICAL EDUCATION.** Required of all majors in freshman year, and takes the place of course 51a, b, c. 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 some of the "tools" of physical education in their relation to the above. Gymnastics, folk dancing and sports, lectures twice a week, practical work. Four periods a week.

Three hours, each term.

62a, b, c. **FUNDAMENTALS OF PHYSICAL EDUCATION.** Required of all majors in the sophomore year. Takes the place of course 52a, b, c. This course deals with instruction in advanced gymnastics, games, athletics and swimming. Three hours per week and lectures, reading and reports two hours per week on the history

of physical education, problems of general and intergroup hygiene, physical problems of the gymnasium, play and athletic fields. Prerequisite to principles of physical education.

Three hours, each term.

Courses for Both Men and Women

71. KINESIOLOGY. For all majors in the Sophomore year. The analysis of gymnastic, athletic and occupational movements from the standpoint of their motor mechanism. Prerequisites, courses.

Five hours, spring term.

72. GENERAL HYGIENE. A study of the natural laws of health—the agents that injure health, the contributory causes of poor health, the carriers of disease, the defenses of health and the producer of health. Three lectures a week.

Three hours, winter or spring term.

73. INTERGROUP HYGIENE. A study of the laws of health as applied to groups such as state and nation. Three lectures a week.

Three hours, spring term.

UPPER DIVISION

101a, b, c. TECHNIQUE OF TEACHING. For majors during the junior year. This course deals largely with gymnastic terminology, the use of signals and methods of presentation, supplemented by practice in class instruction. The fundamentals of classification and progression of exercise are considered briefly during the spring term.

Two hours, each term.

102a, b. PLAY AND PLAYGROUND MANAGEMENT. For majors during junior year. Lectures and reading on the theories of play, adaptation of work to the age periods, playground construction, management and supervision. Activities suitable for playgrounds and community centers with emphasis on the problems of rural neighborhoods. *Two hours, fall and winter terms.*

102c. Continuation of 102a, b, but with one laboratory period.

Three hours, spring term.

103a, b, c. ADVANCED GYMNASTICS AND COACHING OF SPORTS. For women majors in the junior year. Gymnastics to music including marching, drills, exercises during marching, free hand drills, light apparatus work, Indian clubs, wands, hand dumb bells,

heavy apparatus. Track work suitable for girls and young boys. Technique of coaching sports. Three periods a week.

One hour, each term.

104a, b, c. **ADVANCED GYMNASISTICS AND COACHING OF SPORTS.** Continuation of course 103 for women majors in the senior year. Advanced marching, progression to the most difficult types of gymnastics work. Heavy apparatus. Technique of coaching sports continued. Three periods a week. *One hour, each term.*

105a, b, c. **ELEMENTARY DANCING.** Required of women majors. Elementary dancing including technique, simple group and solo dances. Prerequisite to advanced dancing. Three periods a week. *One hour, each week.*

106a, b, c. **ADVANCED DANCING.** Elective for majors. Including more difficult technique, group and solo dances, dance composition and pageantry. *One hour, each term.*

107a, b, c. **THEORY OF INDIVIDUAL GYMNASISTICS.** Required for majors in Junior year. Lectures, assigned reading and clinical practice of corrective gymnastics for posture, foot and minor defects. Recognition of cases coming within the scope of the physical educator. Bandaging and antiseptics. Prerequisites, kinesiology and physiology. Two lectures and one laboratory period. *Three hours, each term.*

108a, b, c. **PRINCIPLES OF PHYSICAL EDUCATION.** Required of majors in the senior year. The aims and functions of Physical Education, its relation to the general education and its place in a scheme of general education. The problem of interest and the adaptation of the means of Physical Education to this end. Organization and Administration of Physical Education and problems of supervision. *Two hours, each term.*

109a, b, c. **PRINCIPLES OF INDIVIDUAL GYMNASISTICS.** Elective during the senior year. Lectures, assigned reading and clinical practice in corrective gymnastics, massage, heat and light therapy, for referred cases. Prerequisite course 107a, b, c.

Three hours, each term.

110a, b, c. **COACHING OF MAJOR SPORTS.** Required of men majors and elective for general students. Prerequisites: 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. He must also have Junior standing.

	<i>Two hours, any term.</i>
110 Fb. FOOTBALL.	<i>Fall term.</i>
110 Bk. BASKETBALL.	<i>Winter term.</i>
110 Bs. BASEBALL.	<i>Spring term.</i>
110 Tr. TRACK.	<i>Spring term.</i>

111a, b, c. THESIS. 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.

112a, b, c. ELECTIVE PHYSICAL EDUCATION. Elective for any juniors and seniors or graduate students. Regular and systematic gymnastics and apparatus work. Progression of courses 1 and 2, 51 and 52. Three periods a week. *One hour, each term.*

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, paddling, archery, indoor track. *No credit.*

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. Thompson, 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.

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 co-ordinate 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.

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

History	6 term hours
Biology	8 term hours
Political Science	5 term hours
Foreign Language	12 term hours

SOPHOMORE

Psychology	6 term hours
Foreign Language	12 term hours
Principles of Economics	8 term hours
Social Origins, Evolution and Growth.....	6 term hours
Psychological Foundations	3 term hours

JUNIOR

Principles of Sociology	10 term hours
Social Adjustment, or New Social Order.....	5 term hours

SENIOR

Theory of Progress.....	6 term hours
Community Organization and Development.....	3 term hours
Electives for advanced undergraduate and graduate students:	
Sociological Systems	9 term hours
Social Survey	3 term hours
Social Statistics	3 term hours

DESCRIPTION OF COURSES

LOWER DIVISION

1a, b. SOCIAL ORIGINS, EVOLUTION AND GROWTH. The origin of man and of the races of men is studied. The evolution of the fundamental institutions, language, law, religion, the family and the state are traced. The building up of a unified and comprehensive view of the conditions under which the different races of men advanced to higher planes of living is sought. Sophomore standing. Bain. *Three hours, fall and winter terms.*

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. Prerequisite, Course 1a, b. Bain. *Three hours, spring term.*

UPPER DIVISION

104 a, 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 terms.

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.*

110 a, b, c. INTRODUCTION TO PHILANTHROPY. The course is designed to give the student the social and economic backgrounds of the Social Problem as well as the development of the Modern Social Movements. In the first term the historic elements of the social problem will be considered; in the second, the development of modern social work, and in the third term, modern movements for social betterment will be studied. Pre-requisite: Course 104. Parsons. *Two hours, each term.*

112. TEACHING OF THE SOCIAL SCIENCES. Prerequisite, two years work in some of the social sciences. Young.

One hour, winter term.

114 a, b, c. SOCIAL PATHOLOGY. The problems of abnormal social groups will be studied in this course. The first term will be devoted to the study of the nature of social pathology and the problems of dependency. In the second term the defective groups will be considered. In the third term, attention will be given to criminology. Prerequisite: Course 104. Parsons.

Two hours, each term.

120. SOCIOLOGY AND ETHICS.

Three hours, spring term.

136 a,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.

145. COOPERATION AND THE NEW GUILD.

Three hours, spring term.

GRADUATE DIVISION

202 a, 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: Course 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: Course 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: Course 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: Course 104. Young. *Three hours, spring term.*

210a, b, c. THE SOCIAL WORK OF THE PROFESSIONAL MAN AND WOMAN. For seniors and graduates. Parsons. *Two hours, each term.*

211. SEMINAR IN APPLIED SOCIOLOGY. Admission by permission of instructor. Parsons.

THE EXTENSION DIVISION

THE EXTENSION FACULTY

PRINCE L. CAMPBELL, B.A., LL.D. (Colorado).....	<i>President of the University</i>
EARL KILPATRICK, B.A. (Oregon).....	<i>Director of Extension Division</i>
CARLTON E. SPENCER, LL.B. (Oregon).....	<i>Registrar of the University</i>
GEORGE REBEC, Ph.D. (Iowa).....	<i>Director of Portland Extension Center</i>
DAN E. CLARK, Ph.D. (Iowa).....	<i>Assistant Director</i>
ALFRED POWERS, B.A. (Oregon).....	<i>Assistant Director</i>
MARY E. KENT, B.A. (Oregon).....	<i>Secretary to Director</i>
MARGARET M. SHARP.....	<i>Secretary of Portland Center</i>

CORRESPONDENCE-STUDY DEPARTMENT

PERCY P. ADAMS, B.S. (Oregon).....	<i>Mechanical Drawing</i>
MRS. ERIC W. ALLEN, B.A. (Wisconsin).....	<i>Short Story</i>
READ BAIN, M.A. (Oregon).....	<i>Sociology</i>
E. S. BATES, Ph.D. (Columbia).....	<i>Contemporary Poetry</i>
CECELIA BELL, B.A. (Oregon).....	<i>English Literature</i>
J. CARL BOWMAN, B.A. (Oregon).....	<i>Education</i>
MRS. ZETTA MITCHELL COOK, B.A. (Oregon).....	<i>Physiology</i>
ELAINE COOPER.....	<i>History</i>
P. C. CROCKATT, M.A. (Oregon).....	<i>Principles of Ocean Transportation</i>
ARTHUR ELY.....	<i>Economics and Sociology</i>
FRANKLIN E. FOLTS, B.A. (Oregon).....	<i>Banking and Principles of Investment</i>
JAMES H. GILBERT, Ph.D. (Columbia).....	<i>Economics</i>
CELIA V. HAGER, M.A. (Oregon).....	<i>Psychology</i>
LAURA HAMMER, B.A. (Oregon).....	<i>Mathematics</i>
RACHEL HUSBAND, B.A. (Oregon).....	<i>Geology</i>
MRS. H. G. KEENEY.....	<i>Bird Study</i>
MRS. GRACE R. MANN.....	<i>English Composition and American Literature</i>
ETHEL I. SANBORN, M.A. (South Dakota).....	<i>Botany</i>
F. G. G. SCHMIDT, Ph.D. (Johns Hopkins).....	<i>German</i>
GLYDE SCHUBEL.....	<i>French</i>
HELEN I. STRAUSSER.....	<i>Reading Circle</i>
LEAH H. WAGNER.....	<i>Physics</i>
FLORENCE WHYTE, B.A. (California).....	<i>Spanish</i>

INSTRUCTORS IN PORTLAND EXTENSION CENTER

*PERCY P. ADAMS, B.S. (Oregon).....	<i>Architecture</i>
*E. S. BATES, Ph.D. (Columbia).....	<i>Literature</i>
*T. J. BOLITHO, B.A. (Washington State).....	<i>Accounting</i>
WILLIAM H. BOYER.....	<i>Music</i>
GEORGE E. BURGET, B.S., M.D.....	<i>Physiology</i>
*R. C. CLARK, Ph.D. (Wisconsin).....	<i>History</i>
*P. C. CROCKATT, M.A. (Oregon).....	<i>Economics</i>
*AVARD FAIRBANKS (Scholarship Art Students' League, New York; Ecole des Beaux Arts; Ecole Colorossi, Ecole Moderne).....	<i>Art</i>
*FRANKLIN E. FOLTS, B.A. (Oregon).....	<i>Banking</i>
W. C. FOSTER, A.B., M.D.....	<i>Anatomy</i>
MME. GEORGE E. FROST (Berlin, State Examinations in Philology, Diploma).....	<i>French</i>
FREDERICK W. GOODRICH.....	<i>Music</i>
HENRY M. GRANT, B.A.....	<i>Sociology</i>
*CELIA V. HAGER, M.A. (Oregon).....	<i>Psychology</i>
FRANK HILTON, B.A., J.D.....	<i>Business Law</i>
*EDWIN T. HODGE, Ph.D. (Columbia).....	<i>Geology</i>

*Members of the academic faculty of the University at Eugene. Many members of the regular faculty whose names are not listed above (in fact practically every member of the faculty) serve at some time during the year as extension workers or instructors.

WILLIAM S. KIRKPATRICK	<i>Advertising</i>
S. C. KOHS, Ph.D. (Stanford).....	<i>Psychology and Sociology</i>
*ALFRED L. LOMAX (Washington).....	<i>Foreign Trade</i>
ALICE ORMUNDY	<i>Public Speaking</i>
T. A. MELENDY, M.A.	<i>Greek</i>
MABLE HOLMES PARSONS, M.A. (Michigan).....	<i>English</i>
*PHILIP A. PARSONS, Ph.D. (Columbia).....	<i>Sociology</i>
*MARY H. PERKINS, M.A. (Radcliffe).....	<i>Rhetoric</i>
H. F. PRICE, Ph.D.	<i>Mathematics</i>
BENIAMINO RE (Diploma, Colgate Theological Seminary, Italian Department).....	<i>Italian</i>
*GEORGE REBEC, Ph.D. (Michigan).....	<i>Philosophy</i>
*FRANK J. RUTTER, Ph.D. (Johns Hopkins).....	<i>Foreign Trade</i>
H. J. SEARS, Ph.D.	<i>Bacteriology</i>
HELEN MILLER SENN, B.A. (Michigan).....	<i>Public Speaking</i>
*H. D. SHELDON, Ph.D. (Clark).....	<i>Education</i>
ANNA T. SMITH	<i>Public Speaking</i>
*F. L. STETSON, M.A. (Washington).....	<i>Education</i>
CLINTON H. THIENES, B.A. (Oregon).....	<i>Chemistry</i>
ELNORA E. THOMSON, R.N.	<i>Sociology and Public Health Nursing</i>
A. R. VEJAR, Ph.D. (Walton College, Spokane).....	<i>Spanish</i>
W. D. WALLIS, B.Sc. (Oxon.), Ph.D. (Pennsylvania).....	<i>Sociology</i>
*JOHN R. WHITAKER, B.S. (Pennsylvania).....	<i>Salesmanship</i>
RABBI JONAH B. WISE	<i>History</i>
N. B. ZANE (Pennsylvania Academy of Fine Arts, Chicago Art Institute, graduate Drexel Institute)	<i>Art</i>

ORGANIZATION

The Extension Division is the official agency through which the University of Oregon renders service to organizations and individuals outside the campus. All such service is administered through the Extension Division.

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 Portland Public Library 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 89 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.

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. 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 and 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 extended in 1921 to audiences totaling approximately 300,000.

DEPARTMENT OF SOCIAL WELFARE

The Department of Social Welfare includes extension lectures, extension participation in surveys and investigations, conferences, institutes, 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 1921 were given by faculty members of the University to audiences totaling approximately 68,000. These lectures are arranged by correspondence with the organization 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.

FEEES

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 are also available upon request.

THE SUMMER SESSIONS

SUMMER SESSION FACULTY

EUGENE DIVISION

PRINCE L. CAMPBELL, LL.D. (Colorado)	.....	<i>President of the University</i>
EARL KILPATRICK, B.A. (Oregon)	.....	<i>General Director of the Summer Session</i>
COLIN V. DYMENT, B.A. (Toronto)	.....	<i>Dean of the College of Literature, Science and the Arts; Director of the Campus Summer Session</i>
CARLTON E. SPENCER, B.A., LL.B. (Oregon)	.....	<i>Registrar of the University</i>
MRS. ERIC W. ALLEN, B.A. (Wisconsin)	.....	<i>Instructor in English</i>
ERNEST SUTHERLAND BATES, Ph.D. (Columbia)	.....	<i>Professor of Rhetoric and American Literature</i>
JOHN FREEMAN BOVARD, Ph.D. (California)	.....	<i>Dean of the School of Physical Education</i>
MERTON KIRK CAMERON, Ph.D. (Harvard)	.....	<i>Assistant Professor of Economics</i>
ALBERT EDWARD CASWELL, Ph.D. (Stanford)	.....	<i>Professor of Physics</i>
DAN E. CLARK, Ph.D. (Iowa)	.....	<i>Assistant Director of Extension Division Instructor in History</i>
TIMOTHY CLORAN, Ph.D. (Strassburg)	.....	<i>Professor of Romance Languages</i>
THOMAS R. COLE	.....	<i>Assistant Superintendent of Schools, Seattle, Washington</i>
EDMUND S. CONKLIN, Ph.D. (Clark)	.....	<i>Professor of Psychology Adviser to Graduate Students</i>
HAROLD R. CROSLAND, Ph.D. (Clark)	.....	<i>Assistant Professor of Psychology</i>
EDGAR E. DECOU, M.S. (Chicago)	.....	<i>Professor of Mathematics</i>
HARL R. DOUGLASS, M.A. (Missouri)	.....	<i>Professor of Education</i>
M. H. DOUGLASS, M.A. (Grinnell)	.....	<i>Librarian</i>
EDWIN R. DURNO	.....	<i>Assistant Instructor in Physical Education</i>
SAMUEL BANNISTER HARDING, Ph.D.	.....	<i>Professor of History, University of Minnesota</i>
WILLIAM L. HAYWARD	.....	<i>Professor of Physical Education</i>
ELBERT HOSKIN, B.S. (Hiram)	.....	<i>Assistant Professor of Education</i>
MARY BROWN HUMPHREY, B.L.S.	.....	<i>Reference Librarian</i>
CHARLES A. HUNTINGTON (Oregon)	.....	<i>Instructor in Physical Education</i>
WILLIAM EDMUND MILNE, Ph.D. (Harvard)	.....	<i>Professor of Mathematics</i>
RUTH HELEN MONTGOMERY, M.A. (Oregon)	.....	<i>Assistant Professor of Education</i>
EARL L. PACKARD, Ph.D. (California)	.....	<i>Professor of Geology</i>
FERGUS REDDIE, B.A. (Valparaiso)	.....	<i>Professor of Public Speaking</i>
OTIS RICHARDSON	.....	<i>Professor of English, University of Idaho</i>
ETHEL I. SANBORN, M.A. (So. Dakota)	.....	<i>Instructor in Botany</i>
FRIEDRICH G. G. SCHMIDT, Ph.D. (Johns Hopkins)	.....	<i>Professor German Language</i>
HENRY DAVIDSON SHELTON, Ph.D. (Clark)	.....	<i>Dean of School of Education</i>
H. G. TANNER, M.A. (Nebraska)	.....	<i>Assistant Professor of Chemistry</i>
EMMA FULLER WATERMAN, B.A. (Minnesota)	.....	<i>Instructor in Physical Education</i>
JAMES LAURENCE WHITMAN, M.S. (Oregon)	.....	<i>Instructor in Chemistry</i>
ROGER J. WILLIAMS, Ph.D. (Chicago)	.....	<i>Associate Professor of Chemistry</i>
BEN H. WILLIAMS, Ph.D. (California)	.....	<i>University of Pennsylvania</i>
FREDERIC GEORGE YOUNG, LL.D. (Oregon)	.....	<i>Dean of the School of Sociology</i>

PORTLAND DIVISION

PRINCE L. CAMPBELL, LL.D.	.....	<i>President of the University</i>
EARL KILPATRICK, B.A.	.....	<i>General Director of the Summer Sessions</i>
GEORGE REBEC, Ph.D.	.....	<i>Dean of the Graduate School and Director of the Portland Summer Session</i>
CARLTON E. SPENCER, LL.B.	.....	<i>Registrar of the University</i>
MARGARET M. SEARP	.....	<i>Secretary of the Portland Extension Center</i>
WILLIAM H. BOYER	.....	<i>Supervisor of Music, Portland Public Schools</i>
ROBERT C. CLARK, Ph.D.	.....	<i>Professor of History, U. of O.</i>
E. ALBERT COOK, Ph.D.	.....	<i>Professor of the History and Science of Religion, Pacific University, Forest Grove, Ore.</i>
WILKIE NELSON COLLINS, B.A.	.....	<i>Assistant Professor of English Literature, University of Oregon</i>

PETER C. CROCKETT, M.A.	.....	Professor of Economics, U. of O.
EDWARD T. DEVINE, Ph.D.	.....	Associate Editor of the Survey and formerly Professor of Sociology, Columbia University, N. Y.
CLYDE EACLETON, M.A.	.....	Professor of History, Southern Methodist University, Dallas, Texas
EMILIO GOGGIO, Ph.D.	.....	Associate Professor of Romance Languages University of Toronto
FREDERICK W. GOODRICH	.....	Instructor in Music, Portland Center
LAWRENCE E. GRIFFIN, Ph.D.	.....	Professor of Biology, Reed College
ROBERT KROHN	.....	Supervisor of Physical Education, Portland Public Schools
MABLE HOLMES PARSONS, M.A.	.....	Professor of English Literature, Portland Center
PHILIP A. PARSONS, Ph.D.	.....	Professor of Sociology and Director Portland School of Social Work
O. C. PRATT	.....	Superintendent Spokane Public Schools
HENRY F. PRICE, Ph.D.	.....	Professor of Mathematics, Pacific University, Forest Grove
HELEN MILLER SENN, B.A.	.....	Instructor in Public Speaking, Portland Center
J. DUNCAN SPAETH, Ph.D.	.....	Professor of English Literature, Princeton University, Princeton
FRED L. STETSON, M.A.	.....	Professor of Education, U. of O.
ALBERT R. SWEETSER, M.A.	.....	Professor of Botany, U. of O.
CLINTON H. THIENES, B.A.	.....	Instructor in School of Medicine, U. of O.
ELNORA E. THOMSON, R.N.	.....	Director of Public Health Nursing, Portland School of Social Work
F. MIRON WARRINGTON, B.A.	.....	Professor of Commerce, Portland Center
R. M. WENLEY, Ph.D.	.....	Professor of Philosophy, University of Michigan
JOHN R. WHITAKER, B.S.	.....	Professor of Marketing and Selling, U. of O.
ESTHER W. WUEST	.....	Supervisor of Art, Portland Public Schools
KIMBALL YOUNG, Ph.D.	.....	Assistant Professor of Psychology, U. of O.

INTRODUCTORY

The eighteenth annual summer session 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 campus 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 21, and in Portland on Monday, June 19. 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.

REQUIREMENTS FOR ADMISSION

The only requirement for admission to the summer session is ability to do the work. Students wishing to become candidates for a degree from the University must satisfy the regular University entrance requirements of 15 high school units suitably distributed. Such students should file all their credentials with the Registrar of the University at Eugene as promptly as possible. All credentials filed become the permanent property of the University.

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 REQUIREMENTS FOR DEGREES

Persons actively engaged in the teaching profession may fulfill the residence requirements of the University for a degree by completing work at three summer sessions, aggregating at least 27 term hours.

Further information concerning admission and graduation requirements may be obtained from the Registrar of the University.

GRADUATE WORK

Even better facilities for graduate work than hitherto will be offered in the campus summer session. A number of courses will be offered for graduate credit only. Instructors are scheduling advanced and graduate courses in such sequence that a student can pursue a coherent course of study for a number of summer sessions. Qualified students doing advance and graduate work in certain departments on the campus may arrange for an

additional six weeks of supervised research. Some advanced courses in the summer session of the Portland Center may by special arrangement be pursued for graduate credit.

The minimum residence requirement for a master's degree demands 27 term hours of credit earned in three summer sessions, aggregating 18 weeks toward which one after session of six weeks may be counted.

THE SUMMER FACULTIES

The faculties of the summer sessions are made up of members of the regular faculty and of the staff of the Portland Center, supplemented by instructors drawn from the faculties of other universities and specialists of acknowledged standing in their own fields.

THE CAMPUS SESSION

CALENDAR

Registration for the Campus Summer Session will be on Wednesday, June 21, beginning at 9 o'clock in the morning. Classes will begin Thursday, June 22, at 8 o'clock in the morning. Classes will be held on Saturday, June 24, and examinations will take place on Saturday, July 29. The other Saturdays of the session will be devoted to recreation.

The regular session will end on July 29, but arrangements may be made to permit regularly enrolled summer session students in some courses the use of the laboratories and the library for research work, or special study, and on the approval of their major professors credit for this work may be allowed.

SPECIALIZED WORK

In the campus session much emphasis will be placed upon specialized, advanced and graduate work. The well-equipped, scientific laboratories and the University library of more than one hundred thousand volumes, will enable the faculty to offer to students of real ability, thorough preparation, or especial interests, unusually fine facilities for research, experiment, and intensive study.

GRADUATE STUDY

Nearly every department is offering courses which may be taken for graduate credit. Many of the departments are prepared to give very close attention to the needs of individual graduate

students. The summer session offers many advantages for graduate study, and for the advanced phases of such work the after-session offers unsurpassed opportunities.

Students seeking advanced degrees should file their credentials with the Registrar for the consideration of the Graduate Council at an early date, and should as soon as practicable, draw up a tentative program of work leading to the degree, for submission to the Council.

SPECIAL GRADUATE ADVISER

Professor E. S. Conklin will be special adviser to graduate students in the campus summer session. Graduate study cards necessary for all graduate students will be signed by Dr. Conklin as well as the major professor. Dr. Conklin's advice should be sought by those who are in doubt as to the selection of their major and minor subjects or who need any information concerning the policies of the graduate school which they find not readily obtainable from the office of the Registrar.

GENERAL INFORMATION

The daily Assembly at 11 o'clock is the center of the organized life of the summer session, besides providing a series of lectures of general interest by speakers of authority.

On Friday and Saturday, June 23 and 24, the annual conference of superintendents and principals will be held on the campus. The program will be announced in May.

The recreational opportunities of the session include not only provision for gymnasium work and a wide range of outdoor sports, but also a series of organized outings for the week ends.

The Appointment Bureau of the School of Education, maintained primarily to assist its own graduates in securing suitable teaching positions, also extends its service to other teachers who have been connected with the University, including students of the Summer Sessions.

Susan Campbell Hall will be opened as the hall of residence for the women and Friendly Hall for the men of the Summer Session. Meals will be served to both men and women in the dining room of Friendly Hall. These dormitories are operated for the students at cost. Reservations in either hall and detailed information may be obtained from Mrs. Edna P. Datson, Friendly Hall.

THE PORTLAND SESSION

The Director of the Summer Session of the Portland Center is Dr. George Rebec. The Portland office of the University of Oregon is at 652 Courthouse. The telephone is Main 3575. Registration and payment of fees, as well as executive details of all the classes, are handled from the office. Office hours are from 9 a. m. to 5 p. m., with the exception of Saturday, when the office closes at 1 p. m.

The regular place for holding the classes will be the Lincoln High School, at Park and Market Streets. Morning hours will be used for classes as far as possible, but shifts will be made to the afternoon when necessary for the accommodation of students. Classes begin Monday, June 19, at 8 a. m.

A uniform fee of \$12.50 will be paid by each person enrolling. All fees are to be paid during the period of June 19-24.

Nine term hours of regular university credit may be earned during the summer term. Graduate credit may be earned in some departments by special arrangement.

Each morning from 9:50 to 10:00 students will meet in the Auditorium for assembly and special announcements, and to make the acquaintance of fellow students.

Friday evenings throughout the session will be reserved for student body entertainments. The first Friday will be devoted to a reception for all members of the Portland Summer Session by the faculty. Other special features will be an all day excursion by boat up the Columbia river, the annual men's dinner, the annual women's dinner, and the annual play by the members of the class in "Short Plays." In addition, there will be excursions and picnics along the Columbia Highway and to other picturesque points of interest. Also there will be various scientific field-trips, under the leadership of different members of the faculty, and special public lectures throughout the six weeks session.

SUMMER SESSION COURSES

The University publishes 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.

STATISTICAL SUMMARY

ENROLLMENT IN UNIVERSITY, 1921-22

GRADUATE SCHOOL	Men	Women	Total	
Eugene	42	84	76	
Portland	34	48	82	
	<u>76</u>	<u>82</u>	<u>158</u>	158
UNDERGRADUATES	Men	Women	Total	
Seniors	153	133	286	
Juniors	235	207	442	
Sophomores	240	229	469	
Freshmen	403	348	751	
Specials	97	61	158	
Law Specials	7	1	8	
	<u>1185</u>	<u>979</u>	<u>2114</u>	2114
Registration for Fall and Winter terms.....				2272
	Men	Women	Total	
Summer School, 1921	154	192	346	346
Total campus registration				2618
Medical School	139	16	155	155
				<u>2773</u>
Portland Summer School			528	
Portland Extension			1284	
Correspondence classes			1320	
Total Extension Classes				3132
Total Registration				5905

DEGREES GRANTED, 1921

HONORARY			
M.A. in Public Service.....	1		1
DEGREES IN COURSE			
Doctor of Jurisprudence		3	
Master of Arts		17	
Master of Science		1	
Doctor of Medicine		16	
Bachelor of Laws		5	
Bachelor of Arts		128	
Bachelor of Science		28	
Bachelor of Business Administration.....		17	
Bachelor of Music		1	
Bachelor of Science in Education.....		9	
		<u>225</u>	225
			<u>226</u>

DEGREES CONFERRED DURING SCHOOL YEAR 1920-1921

COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

BACHELOR OF ARTS

Evon L. Anderson	Kathrine Livengood
Felix Beluso	Lucile McCorkle
Dora E. Birchard	Lois Levis Macey
Victor Darwin Bradeson	Jennie Forrest Maguire
Robert Vernon Bradshaw	George W. Mason
Fridolin Augustin Buholzer	Richard Houghton Martin
Norman T. Byrne	Helen Kerr Maxham
Estella Campbell	Thomas Lyman Meador
John Jefferson Canoles	Bessie Solon Mittleman
Geraldine Cartmell	Laura Moates
Victoria Case	Caroline Content Montague
Helen Casey	F. Dean Moore
Genevieve Marguerite Clancy	Mary Elizabeth Moore
M. Lucile Copenhaver	Reuel S. Moore
Ada Lucretia Cress	Austrid Mork
Beatrice L. Crowdsom	Ruth Z. Nash
LeRoy Ellsworth Detling	Carl S. Nygren
Dorothy G. Dixon	Frank J. Palmer
Mildred E. Dodds	Lillian J. Pearson
Helen Louise duBuy	Frankie Marie Ridings
John George Dundore	Vernice Robbins
Len Bryan Fishback	Abe Eugene Rosenberg
Brownell D. Frasier	Irene Jean Rugh
Janet Frasier	William James Russis
Mildred Garland	Maurice N. Selig
Effie Gladys Gibson	George Frederick Shirley
Isla Ruth Gilbert	Martin Sigmund Sichel
Helen Eugenia Hall	Madeline Slotboom
Mary Alice Hamm	Thora L. Smith
Mildred L. Hawes	Ulala Madeline Strattan
Boyd W. Haynes	Rhetta Templeton
Ralph C. Hoerber	Clara Thompson
Marjorie G. Holaday	Elvira J. Thurlow
Wilbur Schofield Hulin	Alice B. Thurston
Mildred Huntley	Crystal Virginia Tomlinson
Rachel Alice Husband	Mary Veronica Tracy
Victor Pierpont Husband	Mary Southwick Turner
Edna M. Hyde	Raymond Eugene Vester
Raymond F. Jones	Mrs. Marian P. Watts
Leta D. Kiddle	Margaret Irene Whitfield
Margaret M. Kubli	Dorothy E. Wootton
Alice Mary Lighter	Isobel Faith Zimmerman

BACHELOR OF SCIENCE

Ferris Bagley	Esther Kaye
Wilford H. Belknap	Merle Wayland Moore
Laura Duerner	Elmer Pendell
Gaven Crane Dyott	Carlton Raymond Savage
Nancy Ruth Fields	J. H. Schmeer
Claire Parker Holdredge	Merritt Bryant Whitten
Arthur Holmes Johnson	

SCHOOL OF ARCHITECTURE

BACHELOR OF ARTS

Cleo H. Jenkins	Germany Klemm
Peter Lind Jensen	Lorna M. Meissner

BACHELOR OF SCIENCE

Marion Elizabeth Ady	Beatrice I. Wetherbee
William Huber Rambo	

SCHOOL OF BUSINESS ADMINISTRATION

BACHELOR OF BUSINESS ADMINISTRATION

Mildred Aumiller	Harold Evan Mannel
Jack W. Benefiel	Clares C. Powell
Sprague H. Carter	Minnibel Reid
Don Dwight Davis	Arvol A. Simola
Edward S. Evans	Marjorie Stout
Donald Jamison Feenaughty	William Henry Steers.
Arnold Henry Koepke	Lee Morgan Summerville.
Dorothy Grace Lowry	Marvin Beverly Woolfolk
Robert R. McKenna	

BACHELOR OF ARTS

William Pope Allyn	George Stanley Lowden
Spencer R. Collins.	Elmo Whitmore Madden
John Andrew Gamble, Jr.	Homer H. Mornhinweg
Byron O. Garrett.	Victor C. Sether
John Harvey Houston.	Emil G. Tschanz
Philip W. Janney.	Gertrude Mae Whitton
Howard Elijah Kelley	

BACHELOR OF SCIENCE

Wilbur M. Carl	Everett Hale Pixley
----------------	---------------------

SCHOOL OF EDUCATION

BACHELOR OF SCIENCE IN EDUCATION

J. Carl Bowman	Oren William Hays
Peter Emil Christenson	William C. Hoppes
Robert W. Earl	George W. Milam
Lloyd Alfred Enlund	Adeline Rogers Wicklund
George Edwin Finnerty	

BACHELOR OF ARTS

Maud Barnes	Edith Louise Pirie
Harold Raymond Benjamin	Mamie Radabaugh
Leo Herbert Cosman	Leota Leonette Rogers
Lester Robert Gladden	Albert C. Runquist
Eve Margaret Hutchison	William J. Thornton
Enid Lamb	

BACHELOR OF SCIENCE

Dorothy Emily Foster	
----------------------	--

SCHOOL OF JOURNALISM

BACHELOR OF ARTS

Jacob Jacobson	Mary Truax
Jennie B. Perkins	

BACHELOR OF SCIENCE

Robert F. Boetticher	Carlton K. Logan
----------------------	------------------

PHYSICAL EDUCATION

BACHELOR OF ARTS

Vivian Norene Chandler	Naomi Rivers Robbins
Maude E. Largent	Ollie Marguerite Stoltenberg
Frances Elizabeth London	

BACHELOR OF SCIENCE

Cecile Frances Barnes	Ethel M. Murray
Eva Kelly	

SCHOOL OF LAW

DOCTOR OF JURISPRUDENCE

Charles Kern Crandall
Josephine Howe

Harold J. Wells

BACHELOR OF LAWS

J. Arthur Berg
V. Lyle McCroskey
Donald R. Newbury

Alys Louise Sutton

Gordon S. Wells

BACHELOR OF ARTS

Maynard Herbert Harris

Francis T. Wade

BACHELOR OF SCIENCE

Thomas J. Chapman
George Russell Morgan

Ruth Stadtwalter

SCHOOL OF MUSIC

BACHELOR OF MUSIC

Aurora Potter

BACHELOR OF ARTS

Amelia Esparza
Leola Gore Green
George Paynter Hopkins

Anna Laura Rand

Besse G. Shell

Blanche Wickland

SCHOOL OF SOCIOLOGY

BACHELOR OF SCIENCE

Edward L. Ward

CERTIFICATES IN PUBLIC HEALTH NURSING

Helena F. Adamson, R. N.
Anna E. Broad, R. N.
Gertrude E. Deutsche, R. N.
Gertrude Forester, R. N.

Clara Grande, R. N.

Minnie C. Johnston, R. N.

Beneta R. Stroud, R. N.

Hannah K. Vevang, R. N.

SCHOOL OF MEDICINE

DOCTOR OF MEDICINE

Helen I. Ahrens
Archie E. Bird
Frank H. Campbell, A. B.
Jessie B. Farris
Irwin R. Fox
Albert W. Holman
George S. Holeman, A. B.
Alfred H. Johnston

Lester T. Jones, A. B.

Anna C. Mumby

Alfred B. Peacock

Harold M. Peery

Homer P. Rush

Delbert C. Stenard, A. B.

Laban A. Steeves, A. B.

George V. Vandervert, A. B.

GRADUATE SCHOOL

MASTER OF ARTS

RAYMOND NELSON ALLEN, B.A., Oregon.

Major, Chemistry. Minor, Mathematics.

Thesis: A Study of the Effects of Temperature and Catalysts on the Formation of Actone from Calcium Acetate.

JOHN C. ALMACK, B.A., Oregon.

Major, Education. Minor, History.

Thesis: The Improvement of Teachers in Service.

JAMES L. ALMACK, B.S., Oregon.

Major, Education. Minor, Psychology.

Thesis: Selection and Development of Superior Children.

- NEWTON CHARLES BADER, B.A., Oregon.
Major, Education. Minor, Psychology.
Thesis: A Survey of the Educational Activities of the American Y.
M. C. A.
- READ BAIN, B.A., Willamette.
Major, Sociology. Minor, History and Economics.
Thesis: A Socialized State.
- LORENZ BLANKENBUEHLER, Concordia College.
Major, English Literature. Minor, German.
Thesis: The Promethean Analogy in Some of the World's Master-
pieces of Literature.
- ANDREW FISH, B.A., Oregon.
Major, History. Minor, Sociology.
Thesis: The Struggle for San Juan Island.
- MYRON WARREN GETCHELL, B.A., Oregon.
Major, History. Minor, English Literature.
Thesis: Europe and the French Revolution.
- DOROTHY GILSON, B.A., California.
Major, Latin. Minor, French.
Thesis: The Trojan War in Augustan Poets.
- ABRAM A. GROENING, B.A., Tabor College.
Major, Chemistry. Minor, Physics.
Thesis: True Transference Numbers and Ion Complexity of Cadmium
Iodide in Acetone Solution.
- MARY ANNE HOGAN, B.A., Illinois.
Major, Psychology. Minor, Education.
Thesis: A Preliminary Standardization of a Group Test for Sten-
ographers and Typists.
- VIVIEN KELLEMS, B.A., Oregon.
Major, Economics. Minor, Psychology.
Thesis: Workmen's Compensation in Oregon.
- VERNE R. MCDUGGLE, B.A., Illinois.
Major, Business Administration. Minor, Economics.
Thesis: Methods of Accounting for Scrap, Defective Work, and By-
Products.
- RUTH HELEN MONTGOMERY, B.A., Oregon.
Major, Education. Minor, Sociology.
Thesis: A Study of the Distribution of Mental Ability in Two Stan-
dard High Schools.
- MARCUS O'DAY, B.A., Oregon.
Major, Physics. Minor, Mechanics.
Thesis: The Thomson Effect in Mercury.
- CHALMER NASH PATTERSON, B.A., Oregon.
Major, Physics. Minor, Chemistry and Mathematics.
Thesis: Determination of the Thomson Effect in Brass and Lead.
- CHARLES N. REYNOLDS, B.A., Oregon.
Major, Education. Minor, Sociology.
Thesis: The History of Private Secondary Schools in Portland.

MASTER OF SCIENCE

- MARY H. CHAMBERS, B.A., Oregon.
Major, Zoology. Minor, Physiology.
Thesis: Effect of Lowering the Metabolic Rate in the Development
of Eggs of the Steel-head Trout.

MASTER OF ARTS IN PUBLIC SERVICE

Lewis A. McArthur.

HIGHEST HONORS

The following students have been awarded highest honors in the subjects listed below:

BOTANY

Robert Vernon Bradshaw

ECONOMICS

Ralph C. Hoeber

ENGLISH LITERATURE

Mildred L. Hawes
F. Dean Moore

Frank J. Palmer
Margaret Irene Whitfield

RHETORIC AND AMERICAN LITERATURE

Laura Moates

GEOLOGY

Claire Parker Holdredge

Rachel Alice Husband

MATHEMATICS

Frankie Marie Ridings

Alice B. Thurston

PHILOSOPHY

Norman T. Byrne

HONORS IN GENERAL SCHOLARSHIP

Gordon S. Wells
Mary Southwick Turner
Alice Mary Lighter
M. Lucile Copenhagen

Frankie Marie Ridings
Frank J. Palmer
Leo Herbert Crossman
Alice B. Thurston

HONORABLE MENTION FOR GENERAL SCHOLARSHIP

Mildred L. Hawes
Geraldine Cartmell
Laura Duerner
William C. Hoppes
Harold Raymond Benjamin
Ralph C. Hoeber

Oren William Hayes
LeRoy Ellworth Detling
Aurora A. Potter
Philip A. Janney
Robert Vernon Bradshaw
Adeline Rogers Wicklund

ERRATA

Page 19—

FREE INTELLECTUAL ACTIVITIES COMMITTEE.

Changes are contemplated in the personnel of this committee.

Page 90—

COURSE OF STUDY FOR MAJORS IN GERMAN.

Sophomore Year—Instead of World History and World Literature, read History or Economics.

Junior Year—Instead of World History and World Literature, read Education or Elective, and Sociology.

The total of hours and the hours of electives are slightly changed by these substitutions.

INDEX

A

Accounting, Professional, Course of Study in	171-172
Accredited Preparatory Schools	36
Administration Building, (see Johnson Hall)	24
Administration, Officers of	7
Administration of Honors, Committee on	19
Admission	33-38
Admission to	
Advanced Standing	36-37
Correspondence Study	265
Freshman Class	33-36
Graduate Standing	37-38
School of Architecture and Allied Arts	149
School of Business Administration	34-35
School of Law	203
School of Medicine	219
School of Music	242-243
Special Student Standing	37
Admissions, Committee on	19
Advanced Standing, Admission to	36-37
Advertising, Courses in (see Journalism)	199-202
Advisory Council	19
Albert Prize	52
Albert Prize, Committee on	19
Alumni Association, Medical School	218-219
Alumni Prize	53
Amount of Work for Degree	40
Anatomy (see Zoology)	144-147
Anatomy, Department of in Medical School	225-226
Annex Buildings	23
Application for Loans	52
Applied Design (see Normal Art)	163-165
Appointment Bureau	188
Appointments, Committee on	19
Architecture and Allied Arts	
School of	21, 148-165
Admission to	149
Advisers in	148
Degrees Given by	148
Faculty of	148
Prizes Given in	149-150
Architecture, Description of Courses in	156-161
Architecture, Courses of Study in	151-163
Architecture Hall	23
Architecture Studios	31
Art Building	23
Art, Normal, Course of Study in	155
Description of Courses in	163-165
Laboratories in	32

Studio in	32
Teaching Staff in (see Faculty of the School of Architecture)	148
Arts, Bachelor of	21-22, 40-42, 61, 148, 205, 221-222, 249-250
Arts, Bachelor of, Given 1920-21	275-277
Arts, Fine, Course of Study in	151-153
Description of Courses in	156-161
Studio	31
Teaching Faculty in (see Faculty of School of Architecture)	148
Arts, Household Building	100-104
Arts, Master of	21-22, 57-58, 171, 221, 249-250, 259, 265
Arts, Master of, Degrees Given 1920-21	277-278
Assistant Professors	14-16
Assistants, Graduate	18
Associated Students	53
Executive Council of	53
Student Council of	53-54
Associate Professors	13-14
Astronomy, Mechanics and, Courses in	113-114
Department of	113-114
Athletic Field	25
Athletics	53, 248-249
Athletics, Committee on	19

B

Bachelor of Arts	21-22, 40-42, 61, 148, 205, 221-222, 249-250
Bachelor of Arts Degrees conferred 1920-21	275-277
Bachelor of Arts in Journalism	21
Bachelor of Business Administration	21, 167, 171, 204
Bachelor of Laws	22, 42, 204-205
Bachelor of Music	22-42
Bachelor of Science	21-22, 40-42, 61, 205, 221-222, 249-250
In Architecture	21, 148
In Education	21
In Journalism	21
Bacteriology	64
Bacteriology and Hygiene, Department of in Medical School	228-229
Band, U. of O.	53
Beekman Prize	52
Bennett Prize	52
Biochemistry, Department of in Medical School	226
Biology (see Botany and Zoology)	--

Biology, Experimental, Department of in Medical School	227-228
Board and Room	44-45, 46-48
Board of Regents	6
Botanical Laboratory	28
Botanical Museum	27-28
Botany	62-64
Course of Study for Majors in.....	62-63
Description of Courses in	63-64
Buildings and Grounds	21
Bungalow, Y. W. C. A.	26
Bulletin, Summer Sessions	273
Bureau, Appointment	188
Bureau of Educational Research	189
Business Administration, School of	21, 166-186
Admission to	34-35
Courses of Study in	172-175
Degrees Given in	167
Description of Courses in	176-186
Faculty of	166
Purpose of	166-167
Scholarships and Prizes in	167-168
Scope of Curricula in	168-175
Graduate Work in	171
Business Administration and Household Arts—	
Course of Study in	170-175
Business Administration and Law, Combined Course	170
Business Law, Courses in	178
C	
Calendar, University	5
Campus High School (see University High School)	188
Campus, Plan of	3
Catalogue Committee	19
Certificate from Accredited Schools	33
Certificates, Teachers	189
Change of Fees	47
Chemical Laboratories	29
Chemistry	65-67
Course of Study for Majors in	65
Description of Courses in	66-67
Christian Associations	54
Circle, Teachers' Reading	266
City Managers, Course of Study for	126
Class Advisers	19
Coach, Recommended to	252
College of Literature, Science, and the Arts	21, 61-147
College of Literature, Science and the Arts, Departments in	61
Collegiate Alumnae Scholarship	50
Colloquium Committee	19
Commencement and Assembly Committee	19
Commerce, see Business Administration	166-186
Commerce Hall	24
Committees of the Faculty	19
Commonwealth Review	56
Condon Geological Museum	27
Construction, Course in (see Architecture)	158-161
Co-op, University	54
Correspondence Study Department, Extension Division	265-266
Correspondence Study Fees	266
Council, Executive	53
Council, Graduate	57
Council, Student	53, 54
Credentials	33
Credits, Excess	36
Cytology (see Zoology)	144-147
D	
Daly Scholarship	50
Deady Hall	23, 263-267
Deans of Schools	7
Debate League, Oregon High School	266-267
Degree—	
In Architecture	148
In Education	21, 189
In Journalism	21
In Medicine	22, 222
In Music	242-245
Of Doctor of Philosophy	21, 57, 58-9
Of Doctor of Jurisprudence	22, 171, 205
Degrees, Bachelors	21-22, 40-42, 61, 148, 167, 171, 204, 205, 221-222, 249-250.
Degrees Conferred by University	21
Degrees Conferred in 1920-21	274-279
Degrees, Graduate	21, 57-59
Degrees, Law	205-206
Degrees, Masters'	21-22, 57-58, 171, 221, 249-250, 259, 265
Departments in College of Literature, Science, and the Arts	61
Departments, Major	39-40, 61
Deposit, Room	45
Dermatology and Syphilology, Division of in Medical School	284-285
Design, (Applied), (see Normal Art)	163-165
Design, Option, Architecture	151-162
Dispensary Service	43
Diploma Fee	47
Division, Extension	23, 263-267
Doctor of Philosophy Degree	21, 57, 58-9
Dormitories (see Halls of Residence)	24, 25, 44-45

Drama and the Speech Arts	67-70
Course of Study for Majors in	68
Description of Courses in	68-70
Drama and the Speech Arts, Studio	32
Drawing (see Fine Arts)	161-168
Drill (see Military Science)	41, 115-118

E

Economics	70-76
Course of Study for Majors in	70-72
Description of Courses in	67
Edison Marshall Prizes	52
Education, Building	24
Education, Opportunities for Specialization in	187-188
Education, School of	21, 187-198
Course of Study for Teachers of Science in	190-191
Degrees Given in	189
Description of Courses in	191-198
Faculty of	187
Norms in	190
Embryology (see Zoology)	144-147
Employment	48
Emerald	53, 56
English	76-84
Courses of Study for Majors in	76-78
Description of Courses in	78
Entrance Requirements	33-38
Ethics, Elementary	119
Ethics, Practical	62
Eugene, Faculty at	8-17
Examinations for Graduate Degrees	58-59
Excess Matriculation Credits	36
Expenses, Living	48
Extension Center, Portland	263-265
Extension Division	21, 263-267
Correspondence Study Depart- ment of	265-266
Faculty of	263-264
Monitor	55
Organization	264
Portland Center of	265-266
Social Welfare Department of	265-267
Visual Instruction Department of	265-267

F

Faculty—	
Committees of	19
Eugene Summer Session	268
Portland Summer Session	268-269
School of Architecture	148
School of Business Administra- tion	166
School of Education	187
School of Journalism	199

School of Law	203
School of Medicine	218-215
School of Music	242
School of Physical Education	248
School of Sociology	258
Teaching, at Eugene	8-17
Failing Prize	51
Fees, University	47
Change of	47
Diploma Fee	47
Laboratory and Locker	47
Late Registration	47
Non-Resident	47
Registration in Law	205
Finance, Course of Study in	173
Fine Arts, Course of Study in	154
Description of Courses in	161-168
Teaching Staff in (see faculty School of Architecture)	148
Fine Arts Studio	31
Foreign Scholarships Committee	19
Foreign Trade, Course of Study in	174
Free Intellectual Activities, Com- mittee on	19-280
French, Courses in (see Romance Languages)	139-143
Funds, Loan	48-50

G

General Faculty	8-17
Genito-urinary Diseases, Division of in Medical School	238-239
Geological Laboratories	29
Geological Museum	27
Geology	84-90
Course of Study for Majors in	84-85
Description of Courses	85-90
Gerlinger Cup	53
Gerlinger Cup Committee	5
Germanic Languages and Litera- ture	90-93, 280
German	90-93, 280
Course of Study for Majors in	90-280
Description of Courses in	90-93
Glee Clubs	53
Government of University	20
Grading System	40
Graduate Adviser in Summer Session	272
Graduate Assistants	18, 60
Graduate Council	57
Graduate Degrees	21, 57-59
Graduate Degrees Granted 1920-21	277-278
Graduate School	21, 57-60
Admission to	36-37, 57
Degrees Given in	21, 57-60
Graduate Standing— Admission to	36-37
Graduate Work in Summer Ses- sions	270-272
Graduation Deficiencies Committee	19
Graduate Requirements	40-42

Master's Degrees	21, 57-58
Master of Science	21-22, 57-58, 171, 221, 249-250, 259, 265, 271
Master's Degree Given 1920-21	277-278
Mathematics	109-112
Course of Study for Majors in	109-110
Description of Courses in	110-112
McClure Hall	23
Mechanics and Astronomy	113-114
Courses in	113-114
Medical Alumni Association	218-219
Medical Examination	43, 250
Medical Scholarships	51, 218
Medical School Scholarship Committee	19
Medicine, School of	21, 213-241
Admission to	219
Advanced Standing in	221
Committees of	215
Course of Study in	223-224
Degrees Offered in	221-222
Departments of Instruction in	223-241
Executive Faculty of the	215
Faculty of	213-215
Fees and Deposits in	219-220
History of	216
Library of	217
Registration in	219-220
Scholarships in	218
Seven Year Curriculum in	222
Special Students in	220-221
Medicine, Department of, in School of Medicine	231-235
Medicine, Department of, in Eugene	114-115
Course of Study in	114-115
Men's Dormitory	44, 45
Military Credits Committee	19
Military Science	115-118
Course of Study for Majors in	115-116
Description of Courses	116-118
Military Training Committee	19
Military Training Requirement	41, 115
Mineralogy (see Geology)	84-90
Modeling (see Fine Arts)	161-163
Monitor, Extension	55
Museums, University	27-28
Botanical	27
Condon Geological	27
Zoological	28
Music Building	25
Music, School of	21, 242-247
Degrees Given in	242-243
Description of Courses in	244-247
Faculty of	244-247
Fees in	243-244
Organization of	242
Requirements for Graduation in	243
Scholarships in	244

N

Newman Club	54
Nervous and Mental Diseases, Division of in Medical School	234
Non-resident Fee	47
Normal Art, Course of Study in	155
Description of Courses in	163-165
Studios and Laboratories	32
Teaching Staff in (see Faculty, School of Architecture)	148
Norm in Physical Education	252
Norms in Education	190
Norwegian (see Germanic Languages)	90-98

O

O, Order of the	54
Obstetrics, Department of in Medical School	240-241
Officers of Administration	7
Of the Board of Regents	6
Old Oregon	56
Opportunities for Self-Support	48
Ophthalmology, Otolaryngology and Rhinology, Division of in Medical School	239-240
Option, Design (see Architecture) Literature. (see English)	7
Writers' (see Journalism)	7
Writing (see English)	7
Structural (see Architecture)	7
Orchestra	53
Oregana	53, 56
Oregon Emerald	54
Oregon Exchanges	56
Oregon Hall	24
Oregon Publications, University of	56
Organization of University	21
Organizations, Student	53

P

Painting (see Fine Arts)	161-163
Paleontology (see Geology)	84-90
Pathology, Department of in Medical School	229
Pediatrics, Department of, in Medical School	227
Personal Hygiene Requirement ..	41
Pharmacology, Department of, in Medical School	230-231
Philosophy	118-120
Description of Courses in	118-120
Photography (see Physics)	123
Physical Education, School of	21, 248-257
Courses of Study for Majors in	251-252
Degrees Given in	249-250
Description of Courses in	252-257
Faculty of	248
Fees in	250
Organization of	249-250
Norm in	252

Sculpture (see Fine Arts)	154, 161-163
Sculpture Studios	31-32
Self Support	48
Service, Dispensary	43
Health	42, 249
Infirmary	43, 249
Societies, Honorary and Class 54-55	
Social Welfare Department,	
Extension Division	266-267
Sociology Hall	23
Sociology, School of	21, 258-262
Aims of	258-259
Course of Study in	260
Description of Courses	260-262
Faculty of	258
Organization of	258
Portland School of Social Work	
of	258-259
Requirements for Major in	259
Requirements for Master's	
Degree	259
Spanish, Courses in (see Romance	
Languages)	139-143
Special Student Committee	19
Special Student Standing	37
Speech Arts, Drama and the	67-70
Staff of University Library	26
Statistical Summary	274
Student Advisory Committee	19
Student Affairs Committee	19
Student Council	53-54
Student Living Committee	19
Student Loan Funds	48-50
Student Welfare	44
Studios, University	31-32
Architecture	31
Drama and the Speech Arts	32
Fine Arts	31
Normal Arts	32
Sculpture	31-32
Study Card	38
Study, Correspondence	265, 266-267
Subjects, Required	41
Summer Session	41, 270-273
Admission to	270
Bulletin of	273
Eugene	268, 272
Graduate Adviser in	272
Graduate Work in	270-271
Portland	268, 271-273
Residence for Degree in	41, 271
Surgery, Department of, in	
Medical School	236-240
Susan Campbell Hall	25, 45
Swedish, Courses in (see Germanic	
Languages)	90-93
System of Grading	40
T	
Teaching Faculty	8-17
Teachers' Certificates	189

Teachers' Certificates in Physical	
Education	251
Teachers' Reading Circle	266
Term-hours Required in Major	
Subject	42
Term Hours Required for Gradua-	
tion	40
Thesis	32
Trade, Foreign	174
Training, for Public Service,	
Course in	71-72

U

University Calendar	5
University, College of	20
University, Degrees granted by ..	21
University Degrees granted 1920-21	
.....	275-279
University Fees	47
University Health Service	42, 249
University High School	188
University, History of	20
University Laboratories	28
University Library	26
University, Location of	21
University Museums	28
University, Organization of	21
University Press	29130
University Procedure	33-56
University Publications	55-56
University, Schools of	21

V

Villard Hall	23
Visual Instruction, Extension	
Division	266

W

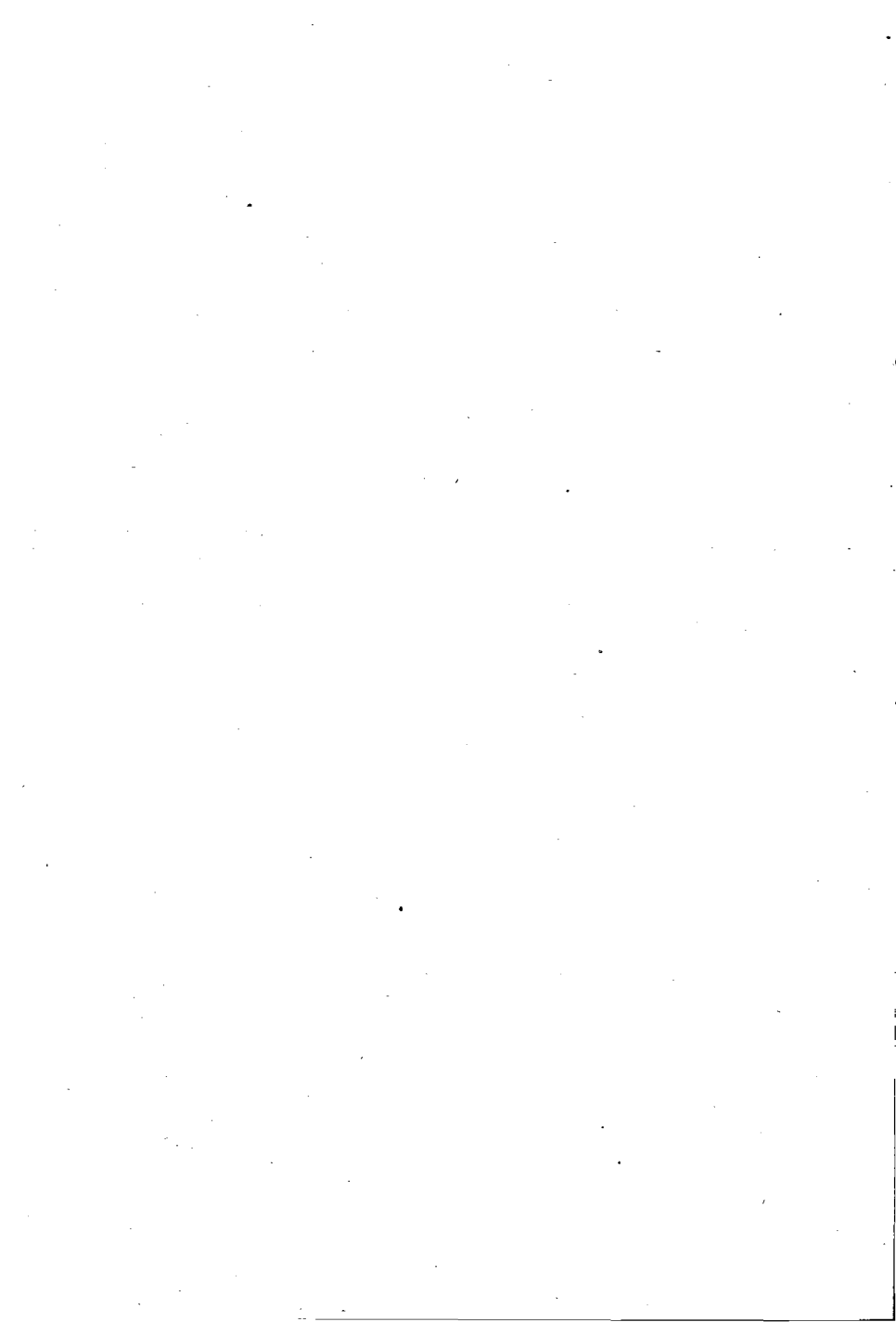
Welfare, Social, Extension Divi-	
sion	266-267
Welfare, Student	44
Woman's Building	25
Women's Dormitories	44-45
Women's League	54
Work, Opportunities for	48

Y

Y. M. C. A.	54
Y. M. C. A. Hut	26
Y. W. C. A.	54
Y. W. C. A. Bungalow	26

Z

Zoological Laboratories	30
Zoological Museum	28
Zoology, Department of	144-147
Zoology, Description of Courses in	
.....	145-147



The University of Oregon

Includes the following Colleges and Schools, located at Eugene, except as stated:

THE GRADUATE SCHOOL

THE COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

THE SCHOOL OF ARCHITECTURE

THE SCHOOL OF BUSINESS ADMINISTRATION

THE SCHOOL OF EDUCATION

THE SCHOOL OF JOURNALISM

THE SCHOOL OF LAW

THE SCHOOL OF MEDICINE (Portland)

THE SCHOOL OF MUSIC

THE SCHOOL OF PHYSICAL EDUCATION

THE SCHOOL OF SOCIOLOGY

School of Social Work (Portland).

THE EXTENSION DIVISION

Department of Extension Instruction.

Department of Social Welfare.

Portland Extension Center.

THE SUMMER SESSION

Divisions at Eugene and Portland.

The University publishes in addition to the General Catalogue, bulletins descriptive of the work offered by the Graduate School and the School of Medicine.

Requests for these publications or for general information should be addressed to

THE REGISTRAR,

University of Oregon, Eugene, Oregon.

Special Bulletins are also issued for the Summer Sessions, the Correspondence courses, and the work given in the Portland Extension Center. These may be obtained by addressing

THE EXTENSION DIVISION,

University of Oregon, Eugene, Oregon.

UNIVERSITY OF OREGON BULLETIN

NEW SERIES, MARCH, 1922

VOL. 19, NO. 2

Published monthly by the University of Oregon and entered at the post-office at Eugene, Oregon, as second-class matter.