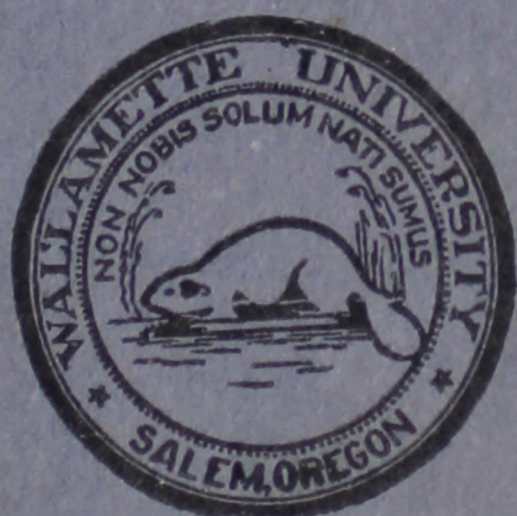


The
Willamette University
Bulletin



Catalog Edition
1921-22

Willamette University

[FOUNDED 1844]

INCLUDING

COLLEGE OF LIBERAL ARTS
COLLEGE OF LAW
SCHOOL OF MUSIC



ANNUAL CATALOG

ANNOUNCEMENTS 1921-1922

WILLAMETTE UNIVERSITY BULLETIN

Vol. XIV

MAY 1921

No. 2

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CALENDAR 1921

SEPTEMBER

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1922

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CALENDAR

1921

- September 19-21 Registration and Entrance Examinations.
September 19 2:30 p. m. — Freshman Classifying Examination in English (See note page —).
September 22 Instruction begins.
November 24-25 Thanksgiving Recess.
December 23 3:30 p. m.—Christmas Vacation begins.

1922

- January 3 8:00 a. m.—Instruction resumes.
February 1-4 Examinations of First Semester.
February 1-4 Registration Second Semester.
February 10 Day of Prayer for Colleges.
February 22 Washington's Birthday Address.
March 11 Freshman Glee.
March 17-27 Spring Vacation.
May 5-6 May Festival, beginning May 5, 1:00 p. m.
May 26 Annual Concert, School of Music.
May 30 Memorial Day.
June 9 Examinations of Second Semester begin.

Commencement Week for College of Liberal Arts

- June 11 Baccalaureate Sermon.
Farewell Meeting of Christian Associations.
8:00 p. m. — Sermon to Christian Associations.
June 12 6:30 a. m.—Senior Breakfast.
8:00 p. m.—President's Reception.
June 13 Meeting of the Board of Trustees.
Class Day.
June 14 10:30 a. m.—Commencement Exercises.
2:30 p. m.—Alumni Business Meeting.
6:30 p. m.—Alumni Banquet.

BOARD OF TRUSTEES

Officers

B. L. Steeves, President.....	Salem
C. B. Moores, Vice President.....	Portland
I. H. Van Winkle, Secretary.....	Salem
A. N. Bush, Treasurer.....	Salem

Elected by the Board

	Term Expires
C. C. Anderson, 145 East Idaho Street, Boise, Idaho.....	1921
E. T. Barnes, Salem.....	1921
J. H. Booth, Roseburg.....	1921
P. J. Brix, Portland.....	1921
W. W. Brown, Fife.....	1921
Mrs. A. N. Bush, Salem.....	1921
Virgil Peringer, Bellingham, Wn.....	1921
George L. Cleaver, La Grande.....	1921
E. S. Collins, 347 Pittock Blk., Portland.....	1921
J. W. Day, 847 Kerby Street, Portland.....	1921
M. C. Findley, Salem.....	1921
A. F. Flegel, 909 Northwestern Bank Bldg., Portland.....	1921
A. A. Schramm, Corvallis.....	1921
J. L. Hartman, 233 East Sixtieth Street, Portland.....	1921
R. J. Hendricks, Salem.....	1921
Bishop W. O. Shepard, Artisans Bldg., Portland.....	1921
Thomas B. Kay, Salem.....	1921
A. A. Lee, Salem.....	1921
James Moore, Eugene.....	1921
Miss Bertha Moores, 395 Twelfth St., Portland.....	1921
H. L. Benson, Salem.....	1921
B. L. Steeves, Salem.....	1921
Paul B. Wallace, Salem.....	1921
C. P. Bishop, Salem.....	1921
A. M. Smith, Columbia Bldg., Portland.....	1921
J. R. Ellison, Broadway Bldg., Portland.....	1921
G. F. Johnson, 149 Sixth St., Portland.....	1921
C. B. Moores, 281 East Fifteenth St. North, Portland.....	1921
J. O. Goltra, Salem.....	1921
M. L. Jones, Brooks.....	1921
Carl G. Doney, Salem.....	Ex-officio

Elected by the Alumni

I. H. Van Winkle, A.B., '98, LL.B. '01, Salem.....	1921
A. N. Moores, '76, Salem.....	1921
Burgess F. Ford, A.B. '05, Lebanon.....	1921

Elected by the Oregon Conference

E. C. Hickman, Salem.....	1923
W. W. Youngson, Portland.....	1923
R. A. Booth, Eugene.....	1922
W. S. Gordon, Portland.....	1922
Hiram Gould, Portland.....	1922
J. T. Abbett, Portland.....	1923
E. E. Gilbert, Salem.....	1924
D. H. Leech, Eugene.....	1924
Joshua Stansfield, Portland.....	1924
W. H. Odell, 863 Hawthorne St., Portland.....	Emeritus

Elected by the Columbia River Conference

William Shearer, Toppenish, Wash.....	1921
J. W. Caughlin, Spokane, Wash.....	1922
J. W. McDougall, Spokane, Wash.....	1923
R. E. Gornall, Pendleton, Oregon.....	1921

Elected by the Idaho Conference

F. D. McCully, Joseph.....	1921
C. H. Pakenham, Boise, Idaho.....	1922

Elected by the Pacific German Conference

A. J. Weigel, Edwall, Wash.....	1921
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Elected by the Danish-Norwegian Conference

C. J. Larsen, Bellingham, Wash.....	1921
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Committees of the Board of Trustees

Appointed at the semi-annual meeting. Chairman of each committee to have report for the annual meeting.

NOMINATIONS. A. M. Smith, A. N. Moores, E. S. Collins, A. A. Lee, Virgil Peringer, C. C. Anderson, R. J. Hendricks.

FACULTY. R. A. Booth, B. L. Steeves, Carl G. Doney, Bishop W. O. Shepard, A. M. Smith, C. P. Bishop, A. A. Lee, Joshua Stansfield, M. C. Findley, J. O. Goltra.

FINANCE. B. L. Steeves, G. F. Johnson, Carl G. Doney, P. J. Brix, C. P. Bishop, C. B. Moores, G. L. Cleaver, D. H. Leech, Wm. Shearer, M. L. Jones.

AUDITING. A. A. Lee, Paul Wallace, C. P. Bishop.

AFFILIATED COLLEGES. Hiram Gould, B. L. Steeves, I. H. Van Winkle, R. A. Booth, C. H. Pakenham, M. C. Findley, W. W. Youngson, J. R. Ellison.

BUILDINGS AND GROUNDS. Mrs. A. N. Bush, C. P. Bishop, R. A. Booth, W. W. Brown, Miss Bertha Moores, Paul Wallace, L. T. Reynolds.

DEGREES. A. F. Flegel, R. A. Booth, J. T. Abbett, H. L. Benson, J. W. McDougall, A. G. Weigle, F. D. McCully.

EXECUTIVE. Carl G. Doney, I. H. Van Winkle, A. A. Lee, T. B. Kay, B. L. Steeves, Paul Wallace.

ATHLETICS. T. B. Kay, B. F. Ford, A. F. Flegel, W. S. Gordon, R. E. Gornall, A. A. Schramm.

RELIGIOUS. J. W. Day, James Moore, C. J. Larsen, E. E. Gilbert, E. C. Hickman.

LIBRARY. Paul Wallace, B. L. Steeves, J. W. Day, James Moore, E. T. Barnes, J. W. McDougall, J. W. Caughlin.

BY-LAWS. A. F. Flegel, A. M. Smith, Carl G. Doney, I. H. Van Winkle, B. L. Steeves.

ENDOWMENT. A. M. Smith, R. A. Booth, C. P. Bishop.

Alumni Officers, 1920-1921

Judge Chas. A. Johns, '78, Salem.....	President
Mrs. Ray L. Smith, '13, Salem.....	First Vice President
Leila Johnson, '19, Salem.....	Second Vice President
Lloyd T. Reynolds, '94, Salem.....	Third Vice President
Harold E. Eakin, '18, Salem.....	Fourth Vice President
Mary P. Goebel, '14, Portland.....	Secretary
Pearl B. Hollingworth, '13, Warren.....	Treasurer
A. N. Moores, '76, Salem.....	Executive Member
W. H. H. Clark, '14, Salem.....	Executive Member
Earl Cotton, '18, Gresham.....	Collegian Reporter
A. A. Schramm, '12, Corvallis.....	Athletic Council
B. F. Ford, '05, Lebanon.....	Athletic Council

Official Visitors of the State of Oregon to the University

(University Charter, Section 5)

Hon. Ben W. Olcott.....	Governor of Oregon
Hon. George H. Burnett.....	Chief Justice Supreme Court
Hon. Thomas McBride.....	Justice Supreme Court
Hon. H. J. Bean.....	Justice Supreme Court
Hon. Henry L. Benson.....	Justice Supreme Court
Hon. Lawrence T. Harris.....	Justice Supreme Court
Hon. Charles A. Johns.....	Justice Supreme Court
Hon. Geo. M. Brown.....	Justice Supreme Court
Hon. R. W. Ritner.....	President of the Senate
Hon. L. B. Bean.....	Speaker House of Representatives

Conference Visitors

Oregon Conference

F. G. Keagy.....	Roseburg
C. R. Johnson.....	Dallas

Columbia River Conference

N. M. Jones.....	Walla Walla, Wash.
H. T. Greene.....	Lewiston, Ida.

FACULTY

(The professors are arranged alphabetically.)

REV. CARL GREGG DONEY, Ph.D., LL.D.

Ohio State University
Ohio Wesleyan University
Harvard University

President of the University 1915—

College of Liberal Arts

GEORGE H. ALDEN, Ph.D.

Carleton College
Harvard University
Sometime Fellow in History, University of Chicago
Sometime Fellow in History, University of Wisconsin

Dean 1914—

E. E. Upmeyer Professor of History 1915—

ALICE H. DODD

Three years research work in Egypt, India, Palestine, Greece and Italy

Instructor in Art History 1915—

GUSTAV EBSEN, A.M.

Universities of Berlin, Paris and Madrid
Denmark State University

Professor of Modern Languages 1915—

FRANK M. ERICKSON, A.M.

Wabash College
University of Chicago
Austin Scholar Harvard University

Professor of Education 1920—

LIDA FAKE, B.S. in Home Economics

Milwaukee-Downer College

Professor of Home Economics 1919—

FRANK G. FRANKLIN, Ph.D.

Cornell University
University of Chicago

Professor of Social Science 1918—

ROBERT M. GATKE, A.B.

Willamette University

Instructor in History 1920—

HELEN I. HANNA, A.M.

Central College, Ia.
University of Illinois

Assistant Professor Modern Languages 1920—

MINNA L. HARDING

Graduate St. John Conservatory of Oratory and Music
Graduate Greely School of Expression and Dramatic Art

Professor of Public Speaking 1920—

WILLIAM H. HERTZOG, A.B., B.D.

Baker University
Drew Theological Seminary
Graduate work New York University

Professor of Rural Leadership 1920—

HERSCHEL E. HEWITT, A.B.

Grand Island College
University of Chicago

Professor of Physics 1918—

EMERY W. HOBSON

Graduate Cincinnati College of Music
Student four years of Sig. Lui Mattioli, winning Springer Gold Medal
Vocal director twelve years

Director of the School of Music and Professor of Voice 1920—

MARY ALICE HOLMAN

New England Conservatory of Music

Instructor in Piano 1919—

WILLIAM E. KIRK, A.M.

University of Nebraska
Graduate Student Columbia University

Professor of Ancient Languages 1906-1913; 1915—

JAMES T. MATTHEWS, A.M.

Willamette University
University of California

Professor of Mathematics 1893—

R. L. MATHEWS

University of Washington
University of Notre Dame

Professor of Physical Education 1915—

MORTON E. PECK, A.M.

Cornell College
Research work in Central America three years

Professor of Biology 1908—

JESSIE GRANT PECK

Ellsworth College
Assistant in Biology 1910—

HELEN PIERCE, A.B.

Willamette University
Graduate work Radcliffe College

Assistant in English 1920—

JOSEPH L. RENTFRO, A.M.

McKendree College
Boston University
Harvard University

Professor of English 1919—

ERNEST C. RICHARDS, A.M.

Morningside College
Boston University
University of California

Secretary of Education 1916—

Professor of Rhetoric 1920—

FRANCES M. RICHARDS, A.M.

University of Michigan
Ohio Wesleyan University

Dean of Women and Assistant in English 1918—

T. S. ROBERTS

Piano with Dr. Adam Geibel
Organ, etc., with Dr. D.D. Wood

Instructor in Pipe Organ, Wood Wind Instruments and Cornet

LUCILE ROSS

Graduate Willamette University School of Music

Instructor in Piano 1919—

CHARLES L. SHERMAN, Ph.D., Pd.D.

Upper Iowa University
New York University

Sometime Fellow in New York University School of Pedagogy

Professor of Social Science and Education 1914-15

Professor of Philosophy and Education 1915—

FLORIAN VON ESCHEN, Ph. M.

Simpson College
University of Illinois
University of Chicago
Washington University

Professor of Physics and Chemistry 1908—

Professor of Chemistry 1918—

STUDENT ASSISTANTS

Helen Satchwell.....	History
Lester Day	Chemistry
Herald Emmel	Chemistry
Glyde Ausman	Mathematics
Elsie Lippold	Mathematics
Ina Moore	Latin
Luther D. Cook.....	Library
Ruth H. Taylor.....	Library
Charlotte Croisan	French

College of Law

I. H. VAN WINKLE, A.B., LL.B., Dean
Willamette University
Judge of the Moot Court

RAY L. SMITH, A.B., LL.B.
Willamette University
Yale University
Secretary of the Law School
Instructor Constitutional Law and Agency

WALTER E. KEYES, LL.B.
George Washington University
Instructor in Bills and Notes

ROY F. SHIELDS, LL.B.
Willamette University
Instructor in Pleadings and Probate Law

RONALD C. GLOVER, LL.B.
Willamette University
Instructor in Equity

IVAN G. MARTIN, LL.B.
University of California
Instructor in Domestic Relations

JOHN CARSON, LL.B.
Willamette University
Instructor in Partnership and Corporations

E. M. PAGE, LL.B.
Willamette University
Instructor in Criminal Law and Procedure

JAMES W. CRAWFORD, A.B., LL.B.
Willamette University
Yale University
Instructor in Real Property and Bankruptcy

MILLAR E. MCGILCHRIST, A.B., LL.B.
University of Oregon
Harvard University
Instructor in Torts and Contracts

ELMO S. WHITE, LL.B.
Willamette University
Instructor in Blackstone

Officers of Administration

- CARL G. DONEY, President of the University.
 GEORGE H. ALDEN, Dean of the College of Liberal Arts.
 I. H. VAN WINKLE, Dean of the College of Law.
 FRANCES RICHARDS, Dean of Women.
 E. W. HOBSON, Director of the School of Music.
 FLORIAN VON ESCHEN, Secretary of the Liberal Arts
 Faculty.
 JAMES LISLE, Curator of the Museum.
 R. L. MATHEWS, Director of Physical Education.
 F. G. FRANKLIN, Librarian.
 W. E. KIRK, Registrar.
 C. C. CLARK, Superintendent of Buildings and Grounds.

Kimball School of Theology

A CO-OPERATING SCHOOL

Whilst this institution is entirely independent of Willamette University, having a distinct Board of Trustees and a separate administration, yet it is in close co-operation with the University, offering courses that otherwise would need to be given in the College of Liberal Arts.

The Faculty

- Eugene Christian Hickman, A.B., D.D., President
 Professor of Practical Theology.
- Everett Stetson Hammond, A.B., A.M., S.T.B., Ph.D.
 Professor of Historical Theology.
- John Dale McCormick, A.B., A.M., B.D., D.D.
 Professor of Biblical Interpretation.
- William Henry Hertzog, A.B., B.D.
 Professor of Rural Leadership.
- Charles Murray Keefer, A.B., B.D.
 Assistant Professor of Biblical Languages.
- Blaine E. Kirkpatrick, A.B., B.D.
 Special Lecturer in Practical Theology.

HISTORICAL

Education, as related to Willamette University, had its beginning in 1834 when Jason Lee established an Indian Mission school in a large log cabin ten miles north of the present site of Salem. In 1839, while on the ship *Lausanne*, off the coast of Oregon, Jason Lee and fifty friends contributed \$650 toward the founding of a school in the new country for white children. In 1842 the Indian Mission school was removed to the present campus of the University where work was conducted in a building that cost \$10,000, located near the site of the gymnasium. During this year the white settlers further planned a school for their children by electing a board of trustees, by securing funds and definitely naming the school the Oregon Institute. While only preparatory courses were at first proposed it was resolved that the school should become a college. In 1844 the trustees of the Oregon Institute bought the property of the Indian Mission school and on August 16 began classes with an enrollment of twenty white students.

This occurred two years before the Oregon question was settled, four years before a Methodist Episcopal Conference was organized on the coast and five years before General Lane, the first territorial governor, proclaimed the government of the United States, at Oregon City.

The Legislative Assembly of the Territory of Oregon, in 1853, provided for the establishment of Willamette University, with the Oregon Institute as a preparatory school. The first class was graduated by the University in 1859. The oldest building on the campus, Waller Hall, was completed in 1866. In 1867 the College of Medicine was formally organized, though instruction had been given for two years previously. This school was united with the Portland Medical College in 1913. The College of Law was established in 1884 and still continues to be a part of the University. Science Hall, the gift of Salem citizens, was erected in 1905 and a year later the building for the Kimball School of Theology was presented by Mrs. H. D. Kimball, the wife of the founder. Mr. W. W. Brown in 1907 gave the Music Hall; and 1908 is marked by the completion of Eaton Hall, the gift of Hon. A. E. Eaton. Dying January 15, 1917, Mr. Eaton made the University his

residuary legatee and thereby added over \$100,000 to the permanent funds of the institution.

During this relatively long period, the University has sought to preserve the rich traditions and purposes of the founders. It has endured hardships and called for unlimited sacrifices from its faculty and friends, but its record of accomplishment has been a high reward. The campaign for an endowment of \$500,000 was completed in 1913, though all of the subscriptions have not yet become productive. The enlarging field of education makes still larger resources necessary if the University is to maintain the proper place of leadership.

A Record of Honor

Willamette University has been richly honored in the pronounced success and high positions of usefulness attained by the former students. Among the several thousands who studied here and the thousand graduates from the several departments are numbered noted preachers, missionaries, teachers, professors, judges of county courts, of superior courts, of circuit courts, of the United States district courts, editors, authors, explorers, municipal officers, physicians, United States senators and representatives, governors, United States attorneys, consuls, secretaries of state, United States surveyors general, presidents of state senate, speakers of the house of representatives, and scores of other prominent and successful citizens. The long list is a remarkable testimony to the efficiency of Willamette; and the formative influence of its former students upon the character of the Northwest is beyond measure.

Location

Willamette University is located upon an eighteen acre campus in the heart of Salem, the capital city of Oregon. It is on the main line of the Southern Pacific railroad and on the Oregon Electric, fifty miles south of Portland. From Salem also radiate several shorter lines of steam and electric railways, making the city easy of access. Salem contains a population of about 18,000, is rich in historical associations, filled with beautiful homes, well-kept lawns and parks. The high standard of its schools, the large number of churches of various denominations and the several libraries contribute

to form a citizenship of intelligence and morality. The city has all modern conveniences and necessities; such as improved streets, cement pavements, shade trees, electric lights, sewers and water system. As an evidence of its healthfulness, there have been no known cases of typhoid for several years. Because of the educational and religious advantages and because Salem is a beautiful, healthful and inexpensive place to live many families have it their home.

The resident officials of state and county, the higher courts, the legislature, the public libraries, the various state institutions, the eminent visiting lecturers and musicians combine to afford students many unusual privileges. One cannot easily imagine a better location for an institution of higher learning.

The University buildings are immediately across the street from the beautiful park in which are the Capitol, Supreme Court building, the city postoffice and the county court house. The location offers accessible opportunities and contributes not a little to the atmosphere of education.

Buildings

EATON HALL. This fine building, the gift of Hon. A. E. Eaton, of Union, Oregon, was erected in 1908. It is constructed of red pressed brick and gray stone and finished in Oregon fir. It is used for the offices of administration, the woman's waiting room, museum and class rooms. The building is electrically lighted and is thoroughly modern.

WALLER HALL. Waller Hall is the oldest building on the campus and is named for Rev. Alvin Waller, one of the devoted and sacrificing friends of the University. It was begun in 1865 and dedicated the following year. Fire has partially destroyed it three times, but the massive walls retain their solidity unimpaired; the last fire occurred on December 17, 1919 and so damaged the building as to necessitate entire interior reconstruction. Externally it now is as it originally was, but it has been remodeled within. The ground floor contains the boiler by which the building is steam-heated, Collegian and Wallulah offices, the college book store and several class rooms. The first floor is given to the chapel with its pipe organ. The entire second floor is used for the library and reading room; the former having stack room for 30,000 volumes and the latter providing accommodations for 250 readers. In addition there are rooms for the librarian's

office, magazines, seminar work, toilets, etc. The third floor is admirably furnished by several literary societies for their work.

SCIENCE HALL. Through the generosity of the physicians, this three-story building of brick and stone was erected in 1895 and was the home of the Medical College until its removal to Portland. The ground floor is used by the department of physics; the first floor provides rooms for the home economics department and for drawing; and the two upper floors are devoted to the department of chemistry.

MUSIC HALL. In 1907 this building was given to the University by Mr. W. W. Brown, of Fife, Oregon. It is well arranged for its purposes, is provided with good pianos and thus far has served the needs of the department of music.

LAUSANNE HALL. The frame building so long used as a dormitory for young women was torn down in November, 1919, and work was immediately commenced on the present large and modern brick and stone structure which was opened for use in September, 1920. On the ground floor there are the heating boilers, laundry, storage and living rooms. The main floor contains the dean's office, three parlors, a dining room that seats 130, kitchen, living rooms and a well equipped infirmary. The two upper floors are devoted to the living rooms of the young women. On each floor there are lavatories, shower and tub baths and linen rooms. Two sleeping porches each 124x17 feet are accessible to the upper floors. The living rooms are unusually large and each is provided with two closets, hot and cold running water and steam heat. A circular with floor diagrams, prices and general information will be sent upon request. All out-of-town women are required to live in the dormitory unless other arrangements are definitely approved by the dean of women.

GYMNASIUM. This commodious building was erected in 1898. It contains shower baths and dressing rooms for both sexes, lockers, a large room fifty by seventy feet for indoor games and class exercises. A limited amount of apparatus is provided and the building is well adapted to physical training and general athletics.

GRANDSTAND AND ATHLETIC FIELD. Immediately contiguous to the Gymnasium is the athletic field with a grandstand, a quarter mile cinder track, baseball diamond and football gridiron. The field is well fenced, has a good

soil and is one of the best to be found. Upon the campus nearby are two cement tennis courts and others of earth.

Equipment

LIBRARIES. About 150,000 volumes are freely available to students in the following libraries: University library of 19,000 volumes, the library of the Kimball School of Theology, 4000; the State library, 90,000; and the Supreme Court library, 25,000. The new city Carnegie library, adjacent to the campus on the west, contains about 13,000 volumes. Under the usual regulations students may take books from any of these libraries. The University library is open on school days and every facility is afforded to make it serve the students. It welcomes contributions of books and manuscripts. It has already received noteworthy collections and its shelves will accommodate others. Several hundred volumes have been added during the year, and about seventy of the best periodicals are regularly received for the reading room.

BIOLOGICAL LABORATORY. This laboratory occupies most of the top floor of Eaton Hall which is supplied with gas, electricity, good tables and sinks, dissecting microscopes, microtome, and other apparatus ordinarily used in microscopic and histological work. It has a large collection of marine and land plants and animal organisms, and is supplied with specimens for dissection and study by the students. The herbarium contains over 10,000 classified and accessible specimens.

CHEMICAL LABORATORY. Two floors in Science Hall are given to this department and the equipment is adequate for all the work of college grade usually offered. The laboratory is arranged with private desks and lockers, reagents and apparatus, burners, water, etc., for each student. The stock rooms are amply supplied; and there are also high-grade balances for accurate quantitative analysis. The equipment is such that students are able to secure a broad and careful preparation in this science. An assay room with a good equipment offers a thorough course in assaying.

GEOLOGICAL LABORATORY. This work is given in Science Hall. The department has a collection of fossils, rocks and minerals of over three thousand specimens. The adjacent chemical laboratory and the assay room permit the student to do general work in the science.

PHYSICAL LABORATORY. The department uses the basement floor in Science Hall and is properly equipped to offer two year's work. In addition to the ordinary apparatus in electricity, the laboratory has complete X-Ray instruments as well as those for wireless telegraphy, for the accurate quantitative measurement in electricity, mechanics, light, sound and heat. The University has a very excellent balopticon, used by the several departments of science.

HOME ECONOMICS. This department uses one half of the first floor of Science Hall. It is newly equipped with all the apparatus usually found in such departments: tables, sewing machines, laboratory desks with gas stoves, ovens, sinks, dishes, model dining room, cabinets, etc.

MUSEUM. The Museum occupies a large room in Eaton Hall and contains several thousand articles of interest and instruction.

There are collections of birds and animals, a large number of Indian relics, historical documents, minerals, woods, shells, and plant specimens. The Curator invites donations, and correspondence with persons who have anything which should be in a museum.

MATHEMATICS. The department of surveying is well equipped. Besides sextants, a fair two-inch telescope, a blackboard, globe, and surveyor's compass, there are the following high-grade instruments: a Y-level, a transit with a solar attachment, a telescopic alidade with plane table, a hand level, with rods, pins, tapes and poles. The equipment is fully equal to the requirements for a full two-years course in surveying.

THE COLLEGE OF LIBERAL ARTS

The completion of 120 semester hours and an equal number of "quality" hours exclusive of the required physical training, leads to the degree of Bachelor of Arts. A semester hour is one recitation period a week for one semester. "Quality" hour is explained elsewhere.

ADMISSION. Candidates for admission must furnish satisfactory evidence of good character; and when coming from other colleges, they must present certificates of honorable dismissal. They must also bring a certificate from the school in which they have prepared which should state: 1. The name of the schools. 2. The studies pursued. 3. The text books used. 4. The number of weeks and number of recitations per week devoted to each subject. 5. The length in minutes of the recitation period. 6. The grade in each study. The University will be pleased to have candidates use the blank forms which are sent gratuitously upon application to the Registrar. These should be filed with the Registrar before the opening of the school year.

Candidates who are unable to present such certificates, or who desire advanced standing, should report to the Registrar in writing by September 1 and arrangements will be made for special examinations on the opening day of the semester. No student will be matriculated for non-resident work.

ENTRANCE REQUIREMENTS. The requirement for admission to the College of Liberal Arts is fifteen units. *A unit is defined as a course of study which has been pursued for at least thirty-six weeks with not less than four recitation periods of forty-five minutes or more, each week.* A student may be admitted as a "conditioned" Freshman who presents not less than thirteen and one-half units. All entrance deficiencies must be made up the first year and before the student will be given more than Freshman rank.

In March, 1921, certain uniform requirements were recommended to the various institutions of higher learning in Oregon by the Committee from the Department of Higher Education of the State Teachers' Association on Uniform Standards and Entrance Requirements, representing approximately all the colleges, universities and normal schools in the state. These requirements were adopted by all these institutions, including Willamette University, and are as follows:

(a) Entrance without deficiency to the colleges, universities and normal schools of Oregon should be contingent upon presentation of at least ten units in English, mathematics foreign languages (including Latin), laboratory science and history (including civics). It is left to the individual institutions to distribute these units according to their respective inclinations.

(b) The number of units in English should be three; and in these, emphasis should fall on syntax and composition of original character.

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

(d) It is recommended to high schools that students taking as much as five units 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.

Willamette University prescribes the following further requirements:

- (1) The ten required units must be as follows:
- | | | | |
|---------------------------|--------------|---|--------|
| English | 3 or 4 units | 4 | 16 1/2 |
| Mathematics | 2 or 3 units | 3 | 15 1/2 |
| Science | 1 or 2 units | 3 | |
| History | 1 or 2 units | 2 | |
| One foreign language..... | 2 or 3 units | 2 | |

(2) Under (c) above, no credits will be granted for spelling, military drill, physical training or any work which is largely a "student activity," such as glee club, school paper, etc.

(3) Two years of preparatory Latin are required of those who major in the Letters group; and this should be followed by two years of Latin or Greek in the College of Liberal Arts, but students who major in a modern foreign language need not heed the latter suggestion. Students wishing to take Home Economics should have high school physics.

ADVANCED STANDING. Advanced standing may be secured by presenting certificates of work done in advance of the entrance requirements, or by an examination. Credits for high school work in advance of entrance requirements will be allowed in certain subjects and only by examinations.

SPECIAL STUDENTS. Under exceptional circumstances, persons who are not candidates for a degree will be admitted to pursue selected studies. Each case will be decided on its own merits; and every person must satisfy the Faculty that he is prepared to do with profit to himself the work proposed. Students of this class may not change their relation to that of candidates for the degree except by examination upon pre-supposed work, including the entrance requirements.

GRADUATE WORK. Graduate instruction leading to the Master's Degree, is offered in a limited number of departments under the following conditions:

1. Candidates must have received the Bachelor's Degree from this University or one of equal rank.

2. Graduate work is divided between a major of twelve year hours and a minor of four year hours or a major of eight hours and two minors of four hours each.

3. Candidates must pursue in residence a course of study outlined by the head of the department in which the major is taken, and approved by the Faculty.

4. Candidates must select a subject for a thesis approved by the head of the same department not later than November 1st of the year in which they present themselves for the degree.

5. Candidates must submit an acceptable thesis to the professor under whom the work is done not later than April 1st. The thesis must be approved by the Committee on Graduate work.

6. After acceptance a typewritten copy of the thesis must be presented to the University library.

THE GROUP SYSTEM. The departments of study are arranged in the following groups, any one of which leads to the degree of Bachelor of Arts:

I.	II.	III.
Letters.	Social Science.	Natural Science.
English	Art History	Astronomy
French	Bible History	Biology
German	College Life	Chemistry
Greek	Economics	Geology
Latin	Education	Mathematics
Public Speaking	History	Physics
Spanish	Home Life	Cookery
	Political Science	Dietetics
	Religion	Demonstrations
	Sociology	Household Sanitation
	Domestic Art	Music
	Textiles	
	The Home	

The following are the requirements for graduation from the College of Liberal Arts:

1. All Freshmen are required to take English 1A and 2A, 1B and 2B, or 1C and 2C; Bible 1 and 2; College Life 1; and Physical Education throughout the year. They must complete, so far as possible, all entrance deficiencies.

2. All Sophomores are required to take four hours of English and Physical Education throughout the year.

3. Two years of College credit in one foreign language. This may be counted in requirements 5 and 6 to satisfy the requirements in the Letters group.

4. Additional hours in the group of one's choice to make fifty hours, including a major in one department of eighteen to twenty-four hours.

5. Additional hours in each of the other two groups to make twenty-five hours.

6. Sufficient free electives to make a total of at least one hundred and twenty semester hours, exclusive of Physical Education.

7. All credits allowed from Law, Medicine, Theology, Normal School, Training School or other sources, not including secondary schools, and not strictly from a school of Liberal Arts, shall be assigned to the various groups in the ratio of 50 per cent to the major group and 25 per cent each to the other two groups, unless any department wishes to accept a higher ratio; but in no case shall the student have less than thirty hours in his major and fifteen hours each in the other groups of work strictly belonging to that group.

8. If a student majors in mathematics, he must take eight hours College Physics and six or ten hours Freshman Chemistry. If the major be in Chemistry, he must take eight hours College Physics, six hours Biology and Trigonometry. If the major be in Physics, he must take Mathematics through Calculus, Drawing and six or ten hours Freshman Chemistry. If the major be in Biology, he must take eight hours College Physics and six or ten hours Freshman Chemistry. If the major be in Home Economics, he must take Inorganic and Organic Chemistry three hours, General Biology and two hours Physiology.

About half one's hours should be taken in the group of one's choice and about one-fourth in each of the other groups. The normal work of a semester is fifteen or sixteen hours, in addition to Physical Education. A student is to select his

studies with the advice and consent of the head of the department in which his major is taken.

The choice of a major subject secures concentration and continuity in a field of specialization, while the selection of further subjects in the same group, making a total of fifty hours, affords familiarity with work contributory to the major. The choice of twenty-five hours in each of the other groups provides an acquaintance with the main divisions of modern study and culture.

QUALITY HOURS. For the purpose of encouraging and properly recognizing scholarship, the faculty has adopted the following provisions:

Students shall be required to earn 120 quality hours for graduation, as well as 120 semester hours. Quality hours shall be earned in proportion to grades, as follows:

A grade of P will earn 0 quality hours for each semester hr.
A grade of P+ will earn 0 quality hours for each semester hr.
A grade of S will earn 1 quality hour for each semester hr.
A grade of S+ will earn 2 quality hours for each semester hr.
A grade of E will earn 3 quality hours for each semester hr.
A grade of E+ will earn 3 quality hours for each semester hr.

Quality hours in excess of 120 will count as semester hours in the proportion of five quality hours to one semester hour, up to a maximum of twenty semester hours. Semester hours thus earned must not interfere with group requirements.

In case there is a deficiency of quality hours, semester hours may be substituted for them at the rate of one semester hour for five quality hours. No transfer of quality hours to semester hours or semester hours to quality hours shall be made before the senior year.

The President and Dean shall, from time to time, compare the grades reported by the various professors and instructors and see that a uniform scale of marking is maintained.

These provisions shall be in effect for all students matriculating after June, 1919, and they may be elected by any who have matriculated previously.

PURPOSE OF COURSES. It is a general criticism that the College of Liberal Arts has no clearly defined aim. The wide variety of subjects accepted as entrance requirements, the broad and unorganized curriculum and the elective system made it difficult to indicate a definite purpose. However, a college without a well-recognized object causes the student

to become uncertain, to lose his appreciation of scholarship and to miss the attainment of a disciplined mind.

There is a field for a real college of liberal arts, as there is for the schools of professional and technical training. There are young men and young women who believe that there is a demand for character and intelligence, for the power to think and to work in harmony with others, for the ability to lead in industry and politics and in the art of living. They wish a course in liberal arts for its discipline, its enrichment of life, its aid in revealing their vocation and as a precedent to technical or professional training.

Willamette University has the definite purpose of giving instruction under conditions which will lead to intelligence and character, will develop personal ideals and the love of knowledge and enable the student to discover what he is fitted to do. To attain this object, the curriculum presents subjects which have an approved value in the courses where they are required or recommended. Some subjects should be pursued by all students; such as English, foreign languages, mathematics, natural sciences, history and philosophy. They are the fundamentals of any education, whatever one's life-work may be. Usually they are begun in the high school and they should be continued in the college until proficiency is attained.

It is also recognized that there is a combination of subjects possible which will afford the student a liberal education and at the same time advance him in his professional preparation. An outline of several courses is presented, each having a certain purpose in view. They are not intended to abolish the elective system as it is used under the group method and students are still free to arrange their work according to it if they wish, but the outlined courses are recommended as combinations of those subjects which are best suited for the objects indicated.

THE LETTERS COURSE. This course is intended for students who desire to specialize in the languages, who wish the culture of a wide variety of approved subjects or who wish to teach.

THE SOCIAL SCIENCE COURSE. Students who are interested in public questions or who plan to engage in social service will find this course suitable.

THE SCIENCE COURSE. This course is adapted for those who expect to teach science or mathematics or to engage in technical pursuits.

FRESHMAN YEAR

Letters Course.	Social Science Course.	Science Course.
English	English	English
Bible History	Bible History	Bible History
Foreign Language	Foreign Language	Foreign Language
Public Speaking	History	Mathematics
History	Natural Science	Natural Science
Natural Science	Elective	

SOPHOMORE YEAR

English	English	English ²
Foreign Language	Foreign Language	Foreign Language ³
Psychology	Psychology	Psychology ²
Natural Science	History	Natural Science ⁵⁻³
Elective	Elective	Elective ⁴

JUNIOR YEAR

Ethics	Ethics	Ethics
Sociology & Econ.	Sociology & Econ.	Sociology & Econ.
History	History	History
English	English	Natural Science
Foreign Language	Elective	Elective
Elective		

SENIOR YEAR

English	Philosophy	Natural Science
Foreign Language	Economics	Elective
Philosophy	Elective	
Elective		

THE PRE-PROFESSIONAL COURSES. The following courses are outlined for the guidance of students who wish to combine a training in liberal arts with something of definite professional preparation. It is to be understood that they are courses not equal in *purely technical* value to the courses offered in technical schools; they are combination courses which include subjects in the liberal arts in conjunction with those of a special character. The completion of any of these courses will provide the student with a good and secure general education which will save him from narrowness and, at the same time, afford him a foundation for advanced special work. It will also enable him to complete a graduate professional course in one or two years less time.

FRESHMAN YEAR

Pre-Law.	Pre-Journalism.	Pre-Engineering.	Pre-Chemical Engineering.	Pre-Medical
English	English	English	English	English
Bible History	Bible History	Bible History	Bible History	Bible History
Latin	Foreign Lang.	Modern Lang.	Modern Lang.	Modern Lang.
Chemistry	Nat. Science	Chemistry	Chemistry	Chemistry
Pub. Speaking	Pub. Speaking	Mathematics	Mathematics	Mathematics
History	History	Drawing	Drawing	Biology

SOPHOMORE YEAR

English	English	English	English	English
Latin	Foreign Lang.	Modern Lang.	Modern Lang.	Modern Lang.
Psychology	Psychology	Psychology	Psychology	Psychology
English Hist'y	Newsriting	Physics	Physics	Zoology
Elective	History	Mathematics	Qual. Analy.	Qual. Analy.
	Elective	Drawing	Elective	Physics

JUNIOR YEAR

Ethics	Ethics	Ethics	Ethics	Ethics
Soc. & Econ.	Soc. & Econ.	Soc. & Econ.	Soc. & Econ.	Soc. & Econ.
History	History	History	Org. Chem.	Physiology
Argument	Short Story	Mathematics	Geology	Org. Chem.
Elective	Foreign Lang.	Surveying	Elective	Elective
	Elective	Physics		
		Elective		

SENIOR YEAR

Inter. Law	English	Mathematics	Ind. Chem.	Chem. 6 hr.
Philosophy	Foreign Lang.	Drawing	San. & Food	Elective
Elective	Elective	Elective	Mineralogy	
			Econ. Geol.	
			Elective	

The Freshman and Sophomore years in the Pre-Engineering courses include the work of the first two years given in the best technical colleges.

STANDARDIZATION. The College of Liberal Arts is approved as a standard college by the United States Bureau of Education and the University Senate of the Methodist Episcopal Church. It meets the requirements for certificates for teaching in four-year high schools adopted by the conference of the Chief State School Officers of the North Central and West Central States, at Salt Lake City, November 17, 18, 19, 1910, namely, "Any diploma from a standard college or university granted upon the completion of a 120-semester-hour course including fifteen hours in education shall be recognized." It also meets the requirements for certification in Oregon, Washington and Idaho.

KIMBALL SCHOOL OF THEOLOGY. This is a co-operating school pleasantly located upon the Willamette campus. Students of Kimball School may take five hours work in the College of Liberal Arts of the University with no charge other than the registration fee; and students of the University have a like courtesy extended to them by Kimball School. The libraries and lectures of both institutions are freely open to all students.

REGISTRATION. Each student has a member of the faculty assigned to him as his Adviser. Students are free to

consult their Advisers at all times but they must consult them concerning their work at the opening of each semester. Registration for the first semester and consultation with the Advisers must be on Monday, Tuesday or Wednesday preceding the opening day. Instruction begins on Thursday morning. Students may be admitted to classes only after presentation of class cards properly signed by their advisers and the instructors. A failure to register on one of the appointed registration days will subject the delinquent to a payment of a special registration fee of \$2.00, except in the case of a new student.

EXAMINATIONS. Examinations are held by the various instructors at the close of each semester and at such other times as they desire. For a special examination a fee of \$2.00 shall be charged and each additional examination during the same semester shall be \$1.00. No special examination shall be given until after the instructor shall have received a receipt signed by the Registrar, or a faculty certificate of excuse. All such fees shall go to the Library Fund.

STANDING. The standing of a student is determined by the instructor who computes it from the work during the semester and the examination. The members of a class are, in general, ranked in four groups. The first group includes those whose standing is excellent, marked "E" or "E+," and should not number more than ten percent of the class. The second group includes those whose standing is satisfactory, marked "S" or "S+," and should not number more than 50 per cent of the class. The third group includes those whose standing is passing, marked "P" or "P+." The fourth group includes those whose standing is below passing, marked "F." A student who fails to pass may be marked by the instructor as "Conditioned," and become subject to the following rules for the removal of the "Condition."

1. A conditioned student must confer with his instructor the opening week of the semester following that in which he incurred the condition and make all arrangements for taking a special examination covering the conditioned work.

2. A condition must be removed during the semester succeeding that in which it was made, otherwise it becomes a failure.

3. A student conditioned in a continuous study may be admitted to the class until he takes the examination for the removal of the condition. Should he fail in that examination, he cannot continue the course.

4. Examinations for the removal of conditions are subject to the fees of other special examinations.

5. No examination for the removal of a condition can result in a higher grade than "P."

If a student's work is "Incomplete" for any semester, the incomplete must be made up the succeeding semester or it becomes a Failure. A subject marked "F" (Failure) must be repeated satisfactorily if the student wishes credit for it.

CLASS STANDING. Students will be classified as Freshmen until they have removed all entrance conditions and secured at least twenty-four hours of college credit; those having twenty-five, but less than fifty-six hours are known as Sophomores; those having fifty-six, but less than eighty-eight hours are known as Juniors, and those having eighty-eight hours or more are known as Seniors.

CLASS ATTENDANCE. Regular attendance at all college work is required; absence is excused only for the most urgent reasons. Unexcused absences amounting to one-eighteenth of his class or lecture appointments reduce the student to the credit group immediately below the one to which he would otherwise be entitled. Absences amounting to two-eighteenths of his appointments in any subject dismiss the students from the course, and he may be readmitted only with the consent of the instructor and upon passing an examination in that portion of the work gone over up to the time of his dismissal.

No student may drop a course without the permission of the instructor and of the dean.

No student may change his course of study later than ten days after the opening of the semester.

TIME NECESSARY FOR GRADUATION. The usual length of time for the student presenting only the required number of units for admission and taking the normal number of hours, fifteen or sixteen, each semester, and doing work of average quality, is four years. Students of exceptional ability, making eighteen or twenty hours each semester, may graduate in three years, while others may choose to take five years for special reasons, making only about twelve hours each semester.

A student who has received "Excellent" in three-fifths of his hours and has failed in none during a semester may register for eighteen hours the following semester.

A student who has received "Excellent" in four-fifths of his hours and has failed in none during a semester may register for twenty hours the following semester.

THE TEACHERS' BUREAU. This Bureau affords special advantages to students through the registration of their collegiate records and the use of the same in recommendation of candidates for vacancies. It is the aim of the Bureau so to place its candidates that school authorities will appreciate the assistance sufficiently to turn to it with confidence when in need of teachers. This service is free to all students and alumni of the University.

OREGON SCHOOL LAW. "Certificates shall be issued to graduates from standard colleges or universities who have completed one hundred and twenty-four semester hours, including fifteen semester hours in education as follows:

"1. One-year state certificates shall be issued, without examination, upon application, to such graduates of standard colleges and universities, authorizing them to teach only in the high schools of this state.

"2. The holder of a one-year state certificate issued in accordance with the provisions of this section shall after six months successful teaching experience in this state and upon the recommendation of the county superintendent of the county in which the applicant last taught receive, without examination, a five-year state certificate authorizing him to teach only in the high schools of this state.

"3. The holder of a five-year state certificate issued in accordance with the provisions of this section, shall, after thirty months' successful teaching experience in this state and upon the recommendation of the county superintendent of the county in which the applicant last taught, receive, without examination, a state life certificate authorizing him to teach only in the high schools of this state.

"4. The holder of a one-year state certificate, or a five-year state certificate, or a life state certificate, secured in accordance with the provisions of this section is hereby authorized to act as a city superintendent of schools in any city."

RENEWAL OF STATE CERTIFICATE. A five-year state certificate may be renewed when the holder thereof has attended an institution of higher education for thirty-two con-

secutive weeks within six years from the date of issue of such certificate and when satisfactory work has been done in such institution in at least four subjects, one of which shall be education, which work shall be certified to by the president of such institution; provided, that any five-year state certificates, so renewed, may be again renewed in the same manner as the original certificate was renewed.

FEES

Semester Bill, for 12 to 17 hours of College work.....	\$30.00
Semester Bill, for less than 12 and over 17 hours, per hour	2.75
Semester Bill, College of Law.....	30.00
Semester Bill, School of Music, according to subjects see page 7.	
Student Body Fee, per semester, for all students in all departments taking five hours or more. (Used by the students for student activities)	5.00
Laboratory Fees, per Semester:	
Biology, except Ornithology.....	3.00
Ornithology	1.00
Chemistry 1A and 2A.....	3.00
Chemistry, all other laboratory courses.....	5.00
Physics 1, 2, 3, 4, 6 and 7.....	3.00
Mineralogy	2.00
Surveying	1.00
Home Economics 1, 2, 3 and 4.....	5.00
Home Economics 5.....	2.50
Home Economics 7, 8, 9, 10 and 15.....	1.00
Breakage deposit in Chemistry, a year.....	5.00

Students in the College of Law and in the Kimball School of Theology will be enrolled in the College of Liberal Arts and be permitted to take five hours of work without charge upon paying a registration fee of \$2.00 each semester and the Student Body fee. The diploma fee is \$5.00. A transcript of the work completed at the University will be furnished by the Registrar for \$1.00.

REFUND OF BILLS AND FEES. The Student Body fee will in no case be refunded. Semester bills will be refunded when a student, during the first half of a semester, is obliged to leave the University on account of his own illness. In this

case the student will pay for the time in actual attendance at the rate of 6 per cent of his total Semester Bill for each week.

SCHOLARSHIPS. A scholarship may be applied toward paying the Semester Bill only in the College of Liberal Arts.

DISCOUNTS. Ministers of any church, children of ministers who are dependent on their parents for support, and students who present evidence from their licensing church body that they are preparing for the ministry are allowed a reduction of 50 per cent in the Semester Bill in the College of Liberal Arts.

Schedule of Classes and Hours for First Semester

7:45 to 8:40	8:40 to 9:35	9:35 to 10:30	10:30 to 11:25	1:15 to 2:10	2:10 to 3:05	3:05 to 4:00
Eng. Hist. TWThF	Eng. Hist. MTThF	French Rev. MTh	French II. MWF	Coach Ath. T	French IV MWF	Home Life M
Sociology MWF	Coll. Life W	Art. Hist. WF	French III. TTh	French I. TWThF	Sec. Ed. MWF	Sac. Oratory WF
Pol. Sc. TTh	French I. MTThF	Spanish III. MWF	Educa. Meas. WF	Jr. H. Sch. MWF	Adv. Cook'y TTh	Adv. Cook'y TTh
Ore. Hist. TTh	Hist. Ed. MWF	Cur Ed Probs WF	Int. Educa. TTh	Adv. Cook'y TTh	Dom. Art I WF	Dom. Art I. Wk'
German I. TWThF	Economics MWF	Cookery TThF	Cookery TTh	The Home WF	Col. Hist. TTh	Prin. Exp. MWF
Prin. Exp. MWF	Money TTh	Dom. Art II MW	Dom. Art II MW	Ec.Hist. U.S. MWF	Med. Hist. MWF	Gen.Phys.Lb MWorTTh
Hebrew WF	Greek Hist. TTh	Med. Hist. MWF	Hme.Ec.Meth F	Statistics TTh	Ch. Hist. WF	Ele.Phys.Lb. TorTh
Desc. Geom. MWF	Old Tes. Int TTh	Comp. Relig. TTh	Am. Diplom. MW	Spanish I. MTThF	O. T. Lit. WF	Adv.Phys.Lb MW
Drawing TTh	Hist. M'dsm WF	N. Test. Lit. WF	Hist. Econ. TTh	Platform TTh	Debate TTh	Mechanics MWF
Latin I. TWThF	Spanish I. MTThF	Spanish II. MWF	Med. Hist. MWF	Rural Ch.Ad WF	N. T. Grk. TTh	Gen.Biol.Lb. MW
Caesar TWThF	Dram. Int. TTh	Prin. Exp. MWF	Oreg. Hist. TTh.	Gen.Phys.Lb. MWorTTh	Gen.Phys.Lb MWorTTh	AdPhysiolLb F
Trigonom. TWThF	Rural Soc. WF	Oratory Th	N. Test. Int. TTh	Ele.Phys.Lb. TorTh	Ele.Phys.Lb. TorTh	Inv.Zool.Lb. MW
Gen. Biol. TTh	Relig. Ed. TTh	Psy. Relig. WF	Soc. Chr'ty WF	Adv.Phys.Lb MW	Adv.Phys.Lb MW	Vert.Zool.Lb TTh
Inv. Zool. M	Ele. Physics TTh	Adv. Physics W	German II. MWF	DeSenectute MWF	Ep. L. Meth. M	Plt Morph Lb TTh
Vert. Zool. F	Drawing MWF	Drawing MThF	Gen. Physics TTh	Gr. Dr. Tr. TTh	Adv. Calc. MWF	Am. Lit. TTh
News writ'g TTh	Greek I. MTThF	Virgil MWF	Drawing WF	3rd. Alg. MWF	Gen Biol Lb. MW	Comp. IA TTh
Eng. Lit. MWF	Ev. Day Grk W	Lat Rap Read Th	Greek II. MWF	Gen.Biol.Lb. MW	AdPhysiolLb F	Assay. Lb. WF
Comp. 1B MWF	Trigonom. MTThF	Calculus MWF	Cicero TTh	Ad Physio Lb F	Inv Zool.Lb. MW	Org.Chem.Lb M
Romanticism MWF	Comp. 1C MTThF	Hygiene WF	Coll. Alg. MWF	Inv Zool Lb MW	Vert.Zool.Lb TTh	Qual Anal.Lb WF
Ind. Chem. MW	Psychology TTh	Plant Morph M	Adv. Physiol TTh	Vert Zool Lb TTh	Plt Morph Lb TTh	QuanAnalLb WF
	Hist. Philos. MW	Organ. Evol. Th	Biol. Meth. W	Plt Morph Lb TTh	Assay. Lb. WF	Chem IA Lb TThorWF
	Prin. Psy. F	Hist. Drama MWF	Chaucer MWF	Comp 1B MWF	Org.Chem.Lb M	Chem IB Lb TThorWF
	Geology MWF	Comp 1B MWF	Adv. Comp. TTh	Short Story TTh	Qual.Anal.Lb WF	Mineralogy WF
		Bible Hist. Th	Int. Philos. MWF	Psychology TTh	QuanAnalLb WF	Chem IA Lb TThorWF
		Prin. Ed. MWF	Abnor. Psy. TTh	Assay Lb. WF	Chem IA Lb TThorWF	Chem IB Lb TThorWF
		Organ. Chem WF	Chem. 1B MWF	Org.Chem.Lb MW	Chem IB Lb TThorWF	Mineralogy WF
		Qual. Anal. Th	Chem. IA TTh	Qual.Anal.Lb TTh	Mineralogy WF	Chem 1A Lb W
		Theory Mus. MF	P. S. Music TTh	Quan Anal Lb MWF	Chem 1A Lb W	Hist. Mus. TTh
		Ensemble Th	Harmony I. MF	Chem.IA Lb. TThorWF	Sight R'd'g MF	
				Chem.IB Lb TThorWF		
				Mineralogy TTh		
				Chem.1A Lb M		
				Harmony III MF		
				Harmony II T Th		

Hours will be designated for courses not here named. Capital letters following the courses above indicate the days of class exercises.

DESCRIPTION OF COURSES

Art History

1. ARCHAIC AND TRADITIONAL PERIODS. *Two hours a week, first semester.* Purpose and beauty of art; architecture, sculpture and painting.

2. GREAT AGE AND HELLENISTIC PERIOD. *Two hours a week, second semester.*

Astronomy

1. GENERAL ASTRONOMY. *Two hours a week, first semester.* Historical and descriptive. Adapted to the needs of students with no previous knowledge of the subject. Not given in 1921-22.

2. SPHERICAL AND PRACTICAL ASTRONOMY. *Two hours a week, second semester.* A more mathematical treatment. Prerequisites, Trigonometry and Elementary Physics. Not given in 1921-22.

Bible History

1. THE OLD TESTAMENT. *One hour a week, first semester.* A general survey of the purpose of the Old Testament; with an outline study of its books, their content, and relation. (Required of all Freshmen.)

2. THE NEW TESTAMENT. *One hour a week, second semester.* Origin, teaching and unity of the New Testament; interpretation, message, and mission. (Required of all Freshmen.)

3. OLD TESTAMENT HISTORY. *Two hours a week, first semester.* See Religion 5.

4. NEW TESTAMENT HISTORY. *Two hours a week, second semester.* See Religion 6.

5. LIFE OF CHRIST. *Two hours a week, second semester.* A constructive study based on the text of the Gospel narrative. See Religion 7.

Biology

1. GENERAL BIOLOGY. *Three hours a week, first semester.* A survey of the general principles of both plant and animal life.

2. GENERAL BOTANY. *Two hours a week, second semester.* A brief introductory course designed to give the student an acquaintance with the more fundamental facts of plant structure and activity. It includes text, laboratory and field work.

3 and 4. PLANT MORPHOLOGY. *Three hours a week thruout the year.* This work follows the natural order of classification. Necessarily the laboratory portion of it is mainly microscopic. Beginning with the simplest forms, slime molds and bacteria, each group in turn is studied and compared with others and its limits defined.

5 and 6. PLANT PHYSIOLOGY AND PLANT ECOLOGY. *Three hours a week thruout the year.* These two courses, while distinct in name, are so closely related that the latter may be considered as a continuation of the former. Plant Physiology, taken up during the first semester, deals with the general principles of plant activity, i. e., the metabolism of plants, including the absorption of liquids, respiration, transpiration, photosynthesis, etc.

Plant Ecology follows the second semester. The relation of plants to their environment, or the application of the laws of plant physiology under different external conditions, such as variation in temperature, moisture, light, etc., and the responses to these variations. (Omitted in 1921-22.)

7. THE THEORY OF ORGANIC EVOLUTION. *One hour a week, first semester.* A brief examination of some of the leading facts on which the evolutionary hypothesis, so far as it applies to plants and animals, is based and a brief survey of some of the leading theories of the origin of species. Prerequisites, courses 9 and 10, or 11 and 12, or their equivalent.

8. SYSTEMATIC BOTANY. *Two hours a week, second semester.* Principles of classification of seed-plants, with a brief study of local flora.

9. and 10. INVERTEBRATE ZOOLOGY. *Three hours a week thruout the year.* A survey of the several types of invertebrates, beginning with a brief microscopic study of the Protozoa, and advancing thru the higher groups in the order of their natural succession. Much attention is given to the comparative morphology of each group, and to its relation to human economy. The outlines followed in the laboratory work are designed to enable the student to draw his conclusions independently on the fundamental principles of animal morphology.

11 and 12. VERTEBRATE ZOOLOGY. *Four hours of laboratory work a week thruout the year.* A study of chordate animals, beginning with the lowest forms and proceeding in the same manner as in the invertebrate work. Each group is carefully compared with those above and below it, and each in turn with man. Only a few types are studied during the semester, but these in sufficient detail to give the student a fairly comprehensive knowledge of vertebrate anatomy.

13 and 14. HUMAN PHYSIOLOGY AND ANATOMY. *Two lectures and two laboratory hours a week thruout the year.* In detail the structure and functional activities of the human body. While not technical, it aims to give the student such a comprehensive knowledge of the subject as every well-informed person should possess. The subject of hygiene receives considerable attention. Text, lectures and laboratory. General Biology or one of the courses in Zoology is a prerequisite to this.

15. HYGIENE. *Two hours a week, first semester.* A study of the principles of personal hygiene and their physiological basis.

16. ELEMENTARY PHYSIOLOGY. *Two hours a week, first semester.* A short course in the elements of human Physiology and Anatomy.

17. METHODS. *One hour a week, first semester.* Historical and technical lectures on the rise and progress of General Biology. Aims, content and methods considered in relation to secondary teaching.

18. ORNITHOLOGY. *Two hours a week, second semester.* A brief study of the structure, classification and bionomics of birds. Laboratory and field work.

Note.—Three hours of laboratory work equal one prepared recitation.

Chemistry

1A and 2A. GENERAL ADVANCED INORGANIC CHEMISTRY. *Three hours a week thruout the year.* Lectures, recitations and laboratory work. The fundamental facts and principles of the science. Lectures, and recitations either upon the lectures or upon subjects assigned in the text-book. The laboratory work illustrates and confirms the subjects considered in the lecture room. The principal ele-

ments, both non-metallic and metallic, are studied, and their chemical combinations considered. Students take full notes of their work and are examined thereon. A laboratory fee of \$3.00 per semester is charged. This course is open to all who have given Chemistry as one of their entrance credits. (Primarily for Freshmen.)

1B and 2B. GENERAL INORGANIC CHEMISTRY. *Five hours a week thruout the year.* This course is similar to the one above, but designed for all students who have not had the elementary or high school chemistry. A laboratory fee of \$5.00 per semester is charged. (Primarily for Freshmen.)

3 and 4. QUALITATIVE ANALYSIS. *Three hours a week thruout the year.* A systematic study of the principal metals and acids and methods for detecting them in simple and complex mixtures and in compounds. A laboratory fee of \$5.00 per semester is required. Prerequisites, Courses 1A and 2A or 1B and 2B. (Primarily for Sophomores.)

5 and 6. QUANTITATIVE ANALYSIS. *Three hours a week thruout the year.* An accurate determination of some of the elements of simple compounds both by gravimetric and volumetric methods. Prerequisite, Courses 3 and 4. A laboratory fee of \$5.00 per semester is charged. (Juniors or Seniors.)

7 and 8. ASSAYING. *Two hours a week thruout the year.* Silver and gold extraction by scorification and crucible methods; fire assay of copper, lead and tin, and the standard methods of determination and extraction of the various useful and valuable substances found in ore, including the electrolytic process. A fee of \$5.00 per semester is required. Hours to be arranged. Prerequisites, same as for Courses 5 and 6.

9 and 10. ORGANIC CHEMISTRY. *Four hours a week thruout the year.* An elementary consideration of the important carbon compounds and their derivatives. The preparation of some of the typical compounds. Special work in the chemistry of foods and the detection of adulterants. Lectures and laboratory work. A fee of \$5.00 is required. Prerequisites, 1B and 2B or 1A and 2A. (Juniors and Seniors)

11 and 12. CHEMICAL PREPARATIONS. *Two hours a week thruout the year.* A short course in the preparation of some of the simpler compounds, both inorganic and organic, and a study of the principles and methods used in their preparation. Prerequisites Courses 5 and 6, and 9 and 10. (Not given in 1921-22.)

13 and 14. **ADVANCED ANALYTICAL CHEMISTRY.** Laboratory practice in gravimetric, volumetric and electro analysis. The following subjects are covered, from which the student may select to suit his own particular needs: Ores and alloys of copper, zinc, chromium, manganese, arsenic, antimony, lead, etc.; clay rock, and cement; iron and steel; paints; fertilizers; foods and food products and preparations; gas in which the student acquires familiarity with the apparatus thru analysis of air, gaseous mixtures, and illuminating gas; fuel, including proximate and ultimate analysis of wood, coal, gas and oil, and the determination of their heating values. For advanced and graduate students who have completed Courses 5 and 6. Time and hours to be arranged.

15. **INDUSTRIAL CHEMISTRY.** Typical industries are studied for the purpose of bringing out the technique of applied chemistry as well as to give specific information regarding the cases discussed. Among the subjects usually discussed are: Fuels, cements, lime, plaster, alkalis, acids, coal gas, producer gas, ammonia, electric furnaces and their products, and electro-metallurgy. Lectures, collateral reading, and reports. Only for students who are taking or have completed Courses 9 and 10. Time and hours to be arranged.

16. **METHODS.** *One hour a week, second semester.* The historical development of Chemistry, the aim, and principles of teaching Chemistry, its scope as applied to secondary schools and academies, discussion of text-books and laboratory manuals, actual observation and practice in teaching and in conducting laboratory work.

Advanced or specialized courses required by the students of Engineering and Home Economics will be arranged in connection with those departments.

A deposit of \$5.00 is required in all courses in Chemistry as a breakage fee. Loss by damage or destruction of apparatus will be deducted from the deposit and the balance refunded at the close of the semester.

College Life

1. **COLLEGE LIFE.** *One hour a week, first semester.* The conditions and problems of the college student. Fulton's "College Life" used as text. Copious readings from supplementary books and important articles to be found in the magazines. The topics discussed are: The purpose of the

college, the college curriculum, the choice of courses, the intellectual ideals, athletics and recreation, general reading, community life of the college. (Required of Freshmen.)

Economics

1. PRINCIPLES OF ECONOMICS. *Three hours a week, first semester.* Survey of economic theory and its application to the solution of problems of value. Fetter's Principles of Economics; other writers consulted. (Primarily for Sophomores.)

2. ECONOMIC PROBLEMS. *Three hours a week, second semester.* Careful analysis of the more important problems. Fetter's Economic Problems and his Manual of Exercises. Prerequisite: Economics 1.

3. ECONOMIC HISTORY OF THE UNITED STATES. *Three hours a week, first semester.* Development of agriculture, commerce and industry in the United States from early Colonial times to the present. Outline from Bogart and Bogart's Readings. (For Juniors and Seniors.)

4. BANKING. *Two hours a week, second semester.* (For Juniors and Seniors.)

5. MONEY. *Two hours a week, first semester.* (For Juniors and Seniors.)

6. TAXATION AND FINANCE. *Two hours a week, second semester.* (For Juniors and Seniors.) Not given in 1921-22.

7. LABOR PROBLEMS. *Two hours a week, first semester.* (For Juniors and Seniors.) Not given in 1921-22.

8. PROBLEMS OF MONOPOLY. *Two hours a week, second semester.* (For Juniors and Seniors.) Not given in 1921-22.

9. HISTORY OF ECONOMICS. *Two hours a week, first semester.*

Education

Note.—All courses offered in the Department of Education, including Psychology in the Department of Philosophy, will count toward the fifteen hours required for the State Teachers' Certificate. Four hours of Elementary Psychology are required of all students working for the State Teachers' Certificates, and of all students who expect to major in the Department of Education.

1. INTRODUCTION TO EDUCATION. *Two hours a week, first semester.* This course, open to Freshmen, is introductory to study in the department. It considers, in a comprehensive way, the relations subsisting between school and society and between school and child.

2. PUBLIC EDUCATION IN THE UNITED STATES. *Two hours a week, second semester.* A study of the development of the public school system of the United States.

3. HISTORY OF EDUCATION. *Three hours a week, first semester.* Starting from the early Middle Ages, the course follows the growth of educational practice and theory to the present time.

4. EDUCATIONAL SOCIOLOGY. *Three hours a week, second semester.* Education as an agency of social progress in theory and in its practical aspects, indicates the scope of the course.

5. PRINCIPLES OF EDUCATION. *Three hours a week, first semester.* Designed to cover the most important principles which Biology, Physiology, Psychology, Sociology, and Ethics have contributed to the science of Education. Much attention will be given to eye-mindedness, ear-mindedness, and motor-mindedness and their bearing on Education. Brain localization, manual training and the theory of recapitulation. Text books, lectures and discussions.

6. EDUCATIONAL PSYCHOLOGY. *Three hours a week, second semester.* A description and explanation of the learning process from the viewpoint of psychology. Much emphasis will be given to instinct, habit formation, perception, imagination, association, memory, interest and effort. The course centers about those mental processes that are truly educative. Text-books, lectures and discussions.

7. SECONDARY EDUCATION. *Three hours a week, first semester.* The place and scope of the high school in American education and the adaptation of curriculum and work to the attainment of this end.

8. HIGH SCHOOL TEACHING. *Three hours a week, second semester.* A practical course for those who plan to teach.

9. THE JUNIOR HIGH SCHOOL. *Three hours a week, first semester.* A study of the organization and operation of junior high schools with a special study of project-problem method of teaching and of supervised study.

10. SCHOOL ADMINISTRATION. *Three hours a week, second semester.* A study of the problems of school organization and administration. For advanced students.

11. EDUCATIONAL MEASUREMENTS. *Two hours a week, first semester.* The more important scales and tests for school work are studied. Some practice in their use is included.

12. THE MEASUREMENT OF INTELLIGENCE. *Two hours a week, second semester.* A survey of group and individual intelligence tests and a study of the school problems raised by their use.

13. CURRENT EDUCATIONAL PROBLEMS. *Two hours a week, first semester.* Certain educational experiments together with leading articles in current educational journals furnish the materials for study in this course.

14. OBSERVATION OF TEACHING. *Two hours a week, second semester.* The work each week includes one conference period and one observation period in the Salem schools. Course 8 must precede, or be taken with, this course.

English

COMPOSITION

Note.—All Freshmen are required before registering in Composition to take a classifying examination, the purpose of which is to determine to which section the student will be assigned. Those whose work in this examination is excellent will be required to take only two hours of composition, and may be registered in 1A; those whose work is satisfactory but not excellent will be required to take three hours, and will be registered in 1B; and those whose work is unsatisfactory will be required to take four hours, and will be registered in 1C. Since 1C will include some sub-Freshman work only three hours college credit can be given. At the beginning of the second semester those who have made a grade of E in 1B may be registered in 2A, and those who have made a grade of E in 1C may be registered in 2B. A student who is conditioned in 1A will be required to register in 2B for the second semester, and a student conditioned in 1B will be required to register in 2C.

1A and 2A. COMPOSITION. *Two hours a week thruout the year.* A general course in composition based upon practical requirements and upon a study of the principles of

rhetoric; exposition the first semester, and argumentation, description, and narration the second semester; occasional drill in oral composition; prescribed readings and conferences with the instructor.

1B and 2B. COMPOSITION. *Three hours a week thruout the year.* The same as 1A and 2A except that more themes and a more detailed study of the principles of composition and their application are required.

1C and 2C. COMPOSITION. *Four hours a week thruout the year.* Six credits. The same as 1B and 2B, except that in addition the class is required to make up deficiencies in sub-Freshman composition.

3 and 4. ADVANCED COMPOSITION. *Two hours a week thruout the year.* Extensive written work during the first semester and a study of such factors in composition as combining of units, proportion, thought development, imagination, movement, suspense, climax, and plot. The second semester will be devoted to a consideration of style and to the writing of informal essays. Prerequisites: Freshman Composition.

5. ARGUMENTATION. *Two hours a week, first semester.* The principles and methods of argumentation and debate; practice in briefing and debate composition and less formal argumentative prose. Not given in 1921-1922.

6. PUBLIC DISCOURSE. *Two hours a week, second semester.* The rhetoric of oratory and the lecture; practice in composition. Not given in 1921-1922.

7. and 8. VERSIFICATION. *One hour a week throughout the year.* The writing of verse, based upon a study of its form and structure. Consideration given to the tendencies in present-day poetry. Not given in 1921-1922.

JOURNALISM

9 and 10. NEWSPAPER WRITING. *Two hours a week thruout the year.* A general course in the writing of newspaper articles, news story, feature story, the editorial, and other forms common to newspaper practice; copy reading, proof reading, and problems of reporting. THE WILLAMETTE COLLEGIAN and the Salem daily papers give opportunity for practical newspaper work. Prerequisites: Freshman Composition.

11 and 12. THE SHORT STORY. *Two hours a week thruout the year.* The study and writing of the short story; a

survey of the development of the short story types, and a study of present tendencies; a consideration of the requirements of magazines, and the marketing of manuscripts. Students are encouraged to write short stories for high standard magazines. Prerequisites: Freshman Composition.

LANGUAGE AND LITERATURE

13 and 14. THE HISTORY AND SURVEY OF ENGLISH LITERATURE. *Three hours a week thruout the year.* A study of the development of the language and literature from their earliest times to the present. Required readings will be assigned for special study for the purpose of obtaining an early acquaintance with the styles of the best authors. Prerequisites: Freshman Rhetoric. Required of all students majoring in English.

15. THE RISE AND DEVELOPMENT OF THE DRAMA. *Three hours a week, first semester.* A study of the origin and growth of the drama in Greece, in Italy, in France, and in England to the time of Shakespeare. Dramatic technique. The religious drama. The Moral plays. The English pre-Shakespearean drama, and the life of Shakespeare. Special attention is given to Shakespearean research and bibliography. Prerequisites: Courses 13 and 14.

16. SHAKESPEARE. *Three hours a week, second semester.* A critical study of Shakespeare's plays. The plays chosen represent Comedies, Histories, and Tragedies. Special emphasis is placed on the composition, sources, verse forms, interpretation, and value of each play. The mechanical and organic analysis of plays. Prerequisite: Course 15.

17. and 18. AMERICAN LITERATURE. *Two hours a week thruout the year.* The rise and development of literature in America. Beginning with the Colonial period the course deals with the other great periods of our national life to the present. Special readings in Franklin, Irving, Bryant, Cooper, Hawthorne, Emerson, Whittier, Lowell, Longfellow, Poe, and Holmes. Prerequisites: Courses 13 and 14.

19. REVIVAL OF ROMANTICISM. *Three hours a week first semester.* The beginning of the movement in Thomson, Gray, Collins, Cowper, Burns, Chatterton, Blake; and its climax in the poetry of Wordsworth, Coleridge, Scott, Byron, Shelley, Keats, and Landor. Prerequisites: Courses 7 and 8, 13 and 14.

20. NINETEENTH CENTURY POETRY. *Three hours a week, second semester.* Tennyson, Browning, Mrs. Brown-

ing, Arnold, Clough, Rosetti, Morris, and Swineburne. Prerequisites: Courses 7 and 8, 13 and 14.

21. THE ENGLISH NOVEL. *Two hours a week, second semester.* The development of the novel. Studies in pre-Elizabethan prose fiction, the Elizabethan prose romance, and the modern novel. Special attention will be devoted to studies in the novels of Richardson, De Foe, Jane Austen, Scott, Eliot, Thackeray, and Fielding. Prerequisites: Courses 13 and 14.

22 and 23. THE HISTORY AND DEVELOPMENT OF ENGLISH PROSE FROM WYCLIFFE TO THE PRESENT. *Two hours a week thruout the year.* Lectures on the great prose writers and the substance material and style of their works. Special attention is given to literary criticism and required readings in the works of the outstanding authors. Prerequisites: Courses 13-14. (Not given 1921-1922.)

24. CHAUCER. *Three hours a week, first semester.* The chief aim of the course is to acquaint the student with a considerable body of Chaucer's verse, especially the Canterbury Tales. Prerequisites: (Junior and Senior standing.)

25. THE TEACHING OF ENGLISH. *One hour a week, second semester.* Methods and aims in teaching composition and literature in secondary schools. Primarily for Seniors who expect to teach.

26 and 27. CONTEMPORARY LITERATURE. *Two hours a week thruout the year.* First semester, modern drama in England and America. Second semester, present-day writers of poetry and prose: Kipling, Hardy, Galsworthy, Masefield, Stephen Phillips, and others. Prerequisites: Courses 13 and 14. (Not given 1921-1922.)

French

1. ELEMENTARY COURSE. *Four hours per week, first semester.* Fundamentals of the language. Grammar. Easy prose. Sight reading; pronunciation; conversation; memory work.

2. CONTINUATION OF COURSE. *Four hours per week second semester.* Grammar, continued and finished. Study of irregular verbs. Sight reading. Prose, fairy tales or other easy matter. Memory work; pronunciation; dictation; conversation.

3. INTERMEDIATE COURSE. *Three hours a week, first semester.* Prose and poetry. Selections from Daudet, Halevy

or writers of the same grade read and discussed. Poems memorized. Sight reading. Composition and conversation.

4. CONTINUATION OF COURSE 3. *Three hours a week, second semester.* Composition of a more advanced character. Papers on material studied or on other subjects. Selections from modern writers, both prose and poetry. Memorizing. Dictation; conversation.

5 and 6. ADVANCED COURSE. *Two hours per week thruout the year.* Study of the modern drama. Reading from Hugo, Musset or others of their rank. The best known of La Fontaine's fables or other poetry read and partly memorized. Composition based on questions arising from classroom work or on matter arranged for the purpose. Ample conversation.

7 and 8. SPECIAL COURSE. *Three hours per week thruout the year.* Students majoring in French are strongly recommended to take this course. It furthermore is open to those who wish to add to their knowledge and who have had three years of college work or whose preparation is equivalent to this requirement. If circumstances justify, it may be taken in connection with 5 and 6, but not without consent of instructor. History of French Literature. Study of the Classic Drama; works by Corneille, Racine and Moliere will have foremost consideration. Frequent themes based either on questions as they arise from time to time in pursuance of classroom work or on given subjects. As far as practicable the class will be conducted in French, and at least once a fortnight topics of general or timely interest will be discussed. This is for the purpose of giving the students an opportunity to learn to converse in the foreign tongue with as great an ease as possible.

Geology

1 and 2. GENERAL GEOLOGY. *Three hours a week thruout the year.* An elementary survey of dynamic, structural, physiographic, and historical geology, and of minerals, rocks, and fossils, illustrated as far as possible by specimens from the College collection, and to show the student the nature of the field covered by geological study. Excursions made to points in the vicinity where geological processes and forms are illustrated. An elementary knowledge of Physics, Botany, Zoology, and Chemistry is desirable. For Juniors and Seniors.

3. MINERALOGY, DESCRIPTIVE AND DETERMINATIVE. *Two hours a week, first semester.* Lectures and laboratory. The course involves a study of elementary crystallography, the determination of unknown minerals by means of their physical and chemical properties and tests, and the descriptive study of typical minerals found in the College collection. The object is to familiarize the student with the common minerals about him and to enable him to recognize them on coming in contact with them in the field. Prerequisites: Geology 1 and 2, Chemistry 1A and 2A or 1B and 2B. A laboratory fee of \$2.00 a semester is required.

4. ECONOMIC GEOLOGY. *Two hours a week, second semester.* A study of the mineral resources of the United States, including: (a) The non-metallic products; fuels—coal, petroleum, gas; building and structural materials; stone, marble, slate, clay, cement, etc.; miscellaneous products—phosphates, mineral paints, mineral waters, salt, borax, etc. (b) The metal-bearing minerals; the origin and formation of ore bodies; the ores of iron, copper, lead, zinc, gold, silver, etc.; the extraction and use of the metals. (c) Soils—their nature and origin. Prerequisites: Geology 1, 2 and 3, and Chemistry 1A and 2A or 1B and 2B.

German

1 and 2. ELEMENTARY COURSE. *Four hours a week thruout the year.* Grammar, Bacon or some other text used. Exercises in pronunciation. Easy short stories. Haertel, German Reader for Beginners or some other book of the grade of Zschokke, *das Wirtshaus zu Cransac*. Poems for memorizing; dictation, easy composition and colloquial exercises based on text read.

3. REVIEW OF SYNTAX. *Three hours a week, first semester.* Composition based on Chile's German Prose Composition or other texts. Works by Storm, Riehl or other writers of similar grade read, in class and outside. Memory work; dictation and conversation.

4. CONTINUATION OF COURSE 3. *Three hours a week second semester.* One or two of the easier classics may be read. Lectures on the lives of the authors. Papers on questions arising from the works or on other subjects. Dictation and conversation.

5. THE CLASSIC DRAMA. *Two hours a week, first semester.* Schiller, Goethe, Grillparzer. Lectures on their lives. Composition. Papers on questions arising now and then from books read or other given subjects. Ample conversation.

6. THE MODERN DRAMA. *Two hours a week, second semester.* Sudermann, Hauptmann, Fulda, or other authors, Selections from their prose writings. Ample composition and conversation.

Greek

A. EVERY-DAY GREEK. *One hour a week thruout the year.* A careful study of English words derived from the Greek. A practical course for students in science who have had no Greek.

1 and 2. FIRST YEAR GREEK. *Four hours a week thruout the year.* A study of the declensions and conjugations, the principles of syntax, and vocabulary. Greek Reader: Stories and Legends.

3. GREEK READER AND SELECTIONS FROM HOMER'S ILIAD. *Three hours a week, first semester.* Anabasis, books III and IV. Prose composition.

4. HOMER. *Three hours a week, second semester.* Odyssey, books I to IV.

5. HOMER CONTINUED. *Three hours a week, first semester.* Odyssey, books V to XII or the equivalent. A study of the origin of Epic poetry. Greek mythology and the Homeric world. Not given in 1921-1922.

6. PLATO. *Three hours a week, second semester.* The Apology and Crito. Studies in Greek philosophy. The reading of the Republic in translation. Not given in 1921-1922.

7. HOMER'S ILIAD AND ODYSSEY IN TRANSLATIONS. *Two hours a week, first semester.* Careful investigation of Homeric life and thought, as revealed in the Homeric poems. No knowledge of Greek required.

8. GREEK DRAMA IN TRANSLATION. *Two hours a week, second semester.* A study of the best dramatic works of Aeschylus, Sophocles, Euripides, and Aristophanes, in translations. Lectures and reports.

9 and 10. STUDIES IN THE GREEK DRAMA. *Three hours a week thruout the year.* Aeschylus, Sophocles, Euripides, and Aristophanes. One drama of each will be read in

the original; others will be read in the translations. Verall's Greek Tragedy. Not given in 1921-1922.

Note.—New Testament Greek is offered in Kimball School and is open on approval to Liberal Art students. See Religion 1 and 2.

History

1. HISTORY OF GREECE. *Two hours a week, first semester.* The political, social, and religious development of the Greek peoples. (Primarily for Freshmen.)

2. HISTORY OF ROME. *Two hours a week, second semester.* The evolution of the Roman state from its beginning, its world empire, and its fall. (Primarily for Freshmen.)

3. HISTORY OF MEDIAEVAL EUROPE. *Three hours a week, first semester.* From the fifth to the fourteenth centuries; the decline of the Roman Empire; the barbarian invasions and kingdoms; the development of the Christian Church; feudalism; the beginning of the modern European state; mediaeval culture. (Primarily for Freshmen.)

4. HISTORY OF MODERN EUROPE. *Three hours a week, second semester.* Continuation of Course 3, but new students are admitted. The Modern Period to 1915; the Renaissance; Reformation; Catholic reformation; wars of religion; the age of Louis XIV; the development of modern European states. (Primarily for Freshmen.)

5. MEDIEVAL HISTORY OF THE ENGLISH PEOPLE. *Four hours a week, first semester.* The social, economic, religious, political and constitutional development of the English people from the Anglo-Saxon invasion to the reign of Elizabeth. Frequent class discussions, collateral reading, and the preparation of papers on special subjects. (Primarily for Sophomores.)

6. MODERN HISTORY OF THE ENGLISH PEOPLE. *Four hours a week, second semester.* Continuation of Course 5, but new students are admitted. From the reign of Elizabeth to the present time. (Primarily for Sophomores.)

7. THE FRENCH REVOLUTION. *Two hours a week, first semester.* A study of the causes found in the conditions of the old regime. The development of the reign of terror. The whole course of the Revolution until the rise of Napoleon. Open to those who have had Course 4 or 6, or an equivalent.

8. THE NAPOLEONIC ERA. *Two hours a week, second semester.* Continuation of Course 7. Open to those who have had Course 4 or 6, or an equivalent.

9. HISTORY OF THE NINETEENTH CENTURY. *Two hours a week, first semester.* The struggles for democracy. The rise of Italy and Germany. Open to those who have had Course 4 or 6, or an equivalent. Not given in 1921-1922.

10. THE GREAT WAR. *Two hours a week, second semester.* The causes and results of the greatest world conflict. Open to those who have had Course 4 or 6, or an equivalent. Not given in 1921-1922.

11 and 12. CHURCH HISTORY. *Two hours a week throughout the year.* The Rise and Development of the Christian Church from the Apostolic Age to the Reformation. See Religion 7 and 8. Not given in 1921-1922.

13 and 14. CHURCH HISTORY. *Two hours a week throughout the year.* From the Reformation to the present time. See Religion 9 and 10.

15. ECONOMIC HISTORY OF THE UNITED STATES. *Three hours a week, first semester.* The development of agriculture, commerce, and industry in the United States from Colonial times to the present day. (For Juniors and Seniors.) See Economics 3.

16. AMERICAN COLONIAL HISTORY. *Two hours a week, first semester.* The development of the Colonies socially and politically from their beginning until the adoption of the Constitution. (For Juniors and Seniors.)

17. AMERICAN CONSTITUTIONAL HISTORY. *Two hours a week, second semester.* A study of causes and results of the chief movements in American history from the adoption of the Constitution to the present time. (For Juniors and Seniors.)

18. HISTORY OF OLD OREGON. *Two hours a week, first semester.* The conditions of settlement of the Pacific Northwest. The relative influence of the British and American elements. The influence of the fur traders, the missionaries, and the independent pioneers. Texts: Schafer: Pacific Northwest, and Bashford: Oregon Missions.

19. ADVANCED OREGON HISTORY. *Two hours a week, second semester.* The critical problems of Oregon history. A study of the viewpoints of the different schools of Oregon historians. Illustrative material drawn largely

from the period of Oregon Missions. Lectures and assigned readings. Prerequisite: Course 18.

20. OREGON RESEARCH. *One to three hours a week, second semester.* Class limited to those qualified to do special research work. Individual assignments, source reading and estimating, and the gathering of material thru personal interviews.

Home Economics

GENERAL CHEMISTRY 1 and 2. Description of course under "Chemistry."

ORGANIC CHEMISTRY 9. and 10. Description of course under "Chemistry."

1 and 2. COOKERY AND FOODS. *Three hours a week, thruout the year.* A scientific study of the production, composition and functions of foods; food preservation; selection and care of foods in the home; practical application of the processes of cookery; planning and serving typical meals; excursions to markets and factories. Prerequisite: Chemistry 1 and 2.

3. ADVANCED COOKERY. *Three hours a week, first semester.* Advanced study of foods in their relation to individuals, families and occupational groups. Principles presented in Courses 1 and 2 elaborated, and the more complicated processes in cookery practiced with view toward application in serving meals to large and small groups of people; marketing; food budgets. Prerequisite: Cookery and Foods 1 and 2.

4. DIETETICS. *Three hours a week, second semester.* The chemical, physiological and economic factors of normal diets; abnormal diets; dietary standards. Prerequisite: Chemistry 9 and 10.

5. DEMONSTRATIONS. *One hour a week, second semester.* Study and practice of demonstrating the preparation of foods, with lectures and illustrative material concerning foods dealt with. Individual demonstrations by members of class. Prerequisite: Courses 1, 2, and 3. (Course 3 may be parallel.)

6. METHODS AND PRACTICE IN TEACHING COOKERY. *Two hours a week, second semester.* Study of methods of teaching cookery in both elementary and secondary schools, with special emphasis upon presentation of courses

in secondary schools; planning courses for both elementary and secondary schools; lesson plans; planning and estimating cost of equipment; observation in the public schools. Prerequisite: Courses 1, 2, 3, and 5.

7 and 8. DOMESTIC ART I. *Two hours a week thruout the year.* Fundamental principles of sewing, involving the study of stitches, selection, preparation and hygienic properties of materials; principles of drafting and application of these principles to the making of simple garments.

9 and 10. DOMESTIC ART II. *Two hours a week thruout the year.* An advanced study of the hygienic, economic and artistic aspects of clothing; application of the more skilled processes in sewing to the construction of silk and wool garments; infants' and children's clothing; art and design in relation to dress.

11 and 12. TEXTILES. *Two hours a week thruout the year.* Study of fibers and fabrics from the standpoint of history, economics and society; selection of material and designing; comparison of commercially prepared articles. Not offered 1921-1922.

13. METHODS AND PRACTICES IN TEACHING SEWING. *Two hours a week, first semester.* History of the Home Economics Movement; study of methods of teaching sewing in elementary and secondary schools; planning courses of study, making lesson plans, and estimating cost of equipment for a sewing laboratory. Observation in the public schools. Prerequisite: Courses 7, 8, 9, 10, 11, 12. (Courses 9 and 10 may be taken parallel.)

15. THE HOME. *Two hours a week, first semester.* Location, architecture and construction of houses; landscaping; furnishings, decoration and administration.

16. HOUSEHOLD SANITATION. *Two hours a week, second semester.* Surroundings, drainage, plumbing, heating, lighting and ventilation; water, air, milk and food; sanitary furnishings; health; chemistry in daily life.

17 and 18. HOME LIFE. *One hour a week thruout the year.* Conduct and management of a home and family; manners and social observances; study of typical homes; woman's civic responsibilities.

19. GENERAL BIOLOGY. *Three hours a week, first semester.* (See Biology 1.)

20. ELEMENTARY PHYSIOLOGY. *Two hours a week, second semester.* (See Biology 15.)

Note.—Since the work in the Home Economics Department is divided between the Natural Science and the Social Science groups, students majoring in Home Economics may transfer enough Home Economics credits from one group to the other to satisfy the group system requirement of fifty hours in one group.

Latin

A. FIRST YEAR LATIN. *Four hours a week thruout the year.*

B. SECOND YEAR LATIN. *Four hours a week thruout the year.*

Courses A and B are for those who expect to major in the Letters group and for all others who desire to present Latin to satisfy the Foreign Language entrance requirements. College credit is not given for them.

C. CICERO. *Two hours a week thruout the year.* Oration and letters.

1. and 2. VERGIL. *Three hours a week thruout the year.* Six books of Vergil's Aeneid.

3. CICERO. *Three hours a week, first semester.* De Senectute and De Amicitia. Studies in Roman Philosophy.

4. LIVY. *Three hours a week, second semester.* Book XXI and part of books XXII, or selections from books I, XXI, and XXII.

5. HORACE. *Three hours a week, first semester.* Odes and Epodes. Mackail's Latin Literature.

6. PLAUTUS. *Three hours a week, second semester.* Captivi and Trinummus or Menaechmi. Special study of the rise and development of comedy.

7 and 8. RAPID READING. *Two hours a week thruout the year.* The aim is to read a large amount of comparatively easy Latin and to enable the student to acquire facility in the use of the language. Selections from Ovid, Vergil and Gellius, and several short plays.

9 and 10. TEACHERS' COURSE. *One hour a week thruout the year.* Lectures, reports, and study of Methods of instructions in preparatory Latin. Examination of textbooks. Not given in 1921-1922.

Mathematics

Note.—A major must include Courses 1, 2, 3, 4, 9 and 10, and 11 and 12. Courses A and B do not count toward the major. Courses 1, 2, 3, and 4 are indispensable in all engineering professions. Major students in Mathematics must take College Physics one year, and, beginning with the class of 1923, Chemistry also.

COURSE A. *Three hours a week, first semester.* Is prerequisite to Courses 1 and 2 for students who do not offer 3rd term Algebra. It considers mathematical induction, the remainder and the factor theorems, the binomial theorem for positive integral exponents, surds, theory of quadratic equations, examples in simultaneous quadratic equations, elements of ratio and proportion, the progressions and other simple series. Graphical methods will be employed wherever they are applicable.

B. SOLID GEOMETRY. *Three hours a week, second semester.* Special emphasis is laid upon the practical numerical exercises.

1. PLANE TRIGONOMETRY. *Four hours a week, first semester.* The general formulas of Plane Trigonometry; the theory of logarithms and the use of logarithmic tables; applications of the numerical solution of triangles and simple problems in heights and distances; application to astronomy and navigation.

2. ANALYTIC GEOMETRY. *Four hours a week, second semester.* Including the straight line, circle, parabola, ellipse, hyperbola, and some of the higher curves.

3. CALCULUS. *Three hours a week, first semester.* Differentiation and easy integration.

4. CALCULUS. *Three hours a week, second semester.* A continuation of Course 3. Expansion of functions, areas, volumes, length of curves.

5 and 6. COLLEGE ALGEBRA. *Three hours a week throughout the year.* This course considers inequalities and limits, exponentials and logarithms, binomial theorem for any index, convergent and divergent series, expansion of functions in series, permutations and combinations, continued fractions, undetermined co-efficients, determinants in brief.

7. METHODS. *One hour a week, second semester.* A critical and historical study of the logical foundations of sec-

ondary Mathematics, as an aid in teaching. Lectures on teaching as a profession, School Discipline, The Teacher in His Study, Methods in Algebra, Methods in Geometry, The Psychology of High School Mathematics, etc.

8. SURVEYING. *Two hours a week, second semester.* Transit and level, their use and adjustment, and plane table land surveying, leveling, platting, computations.

9 and 10. MECHANICS. *Three hours a week thruout the year.* Involving the use of Analytic Geometry and the Calculus as well as of elementary Mathematics. A concrete course in motion, friction, forces, work, energy, etc.

11 and 12. ADVANCED CALCULUS. *Three hours a week thruout the year.* A continuation of Courses 3 and 4. Infinite series, Taylor's theorem, surfaces, volumes, some applications to mechanics, differential equations.

14. SURVEYING. Provided a sufficient number of students apply. Courses in surveying beyond the elementary work in Course 8 will be given, such as railroad engineering or road surveying.

Mechanical Drawing

1. DRAWING. *Two hours a week, first semester.* A course for beginners, the object of which is to familiarize the student with the use of drawing instruments and the language of technical drawing as well as work in linear drawing, lettering, geometrical problems and constructions, and mathematical curves. Open to all students.

2. DRAWING. *Two hours a week, second semester.* Elementary principles of projection, working drawings, dimensions, blue print reading, shop sketching, etc. Prerequisite: Course 1.

3. and 4. DRAWING. *Three hours a week thruout the year.* Orthographic projection, problems in projection, intersection of solids and development of surfaces. Application of the principles of technical drawing to isomeric projection and machine drawing. Prerequisite: Courses 1 and 2.

5. and 6. DESCRIPTIVE GEOMETRY. *Three hours a week thruout the year.* Basic principles of drawing, problems on point, line and plane; curved surfaces, sections, intersections; shades, shadows, and perspective. Two to three hours a week are given to recitations and lectures, the balance of

the time is spent at the drawing board. Prerequisite: Courses 1 and 2 and Plane and Solid Geometry.

7 and 8. ARCHITECTURAL DRAWING. *Two hours a week thruout the year.* The object of this course is to familiarize the student with the technical terms used in architectural practice and building construction, the principles of plan drawing and detail. The work may be varied to suit the special needs of the student, the object being to provide a thorough foundation of elementary knowledge in the subject upon which to base advanced work.

Music

Students of the College of Liberal Arts may receive credit for certain courses taken in the School of Music. See School of Music.

Physical Education

The need of systematic exercise and training is recognized by all the leading colleges of today and each year sees a larger space provided for it in the curriculum of all our schools. Willamette, with a large athletic field and gymnasium with floor space, lockers, showers, etc., is equipped to supply the needs of all students.

REQUIREMENTS. Work in physical education is required of all students, two periods a week for two full years, regardless of student's course or classification. At least four credits are required in physical training toward graduation. Special work will be assigned to students physically unfit for regular courses in physical training.

PHYSICAL EDUCATION FOR MEN

PHYSICAL TRAINING. Students may select any one of the three divisions in physical training.

1A. INTERCOLLEGIATE ATHLETICS. Intercollegiate Athletics are maintained under the personal supervision of the Director of Physical Education and under the jurisdiction of the Athletic Board of Control and Student Executive Committee. It is the plan of the President and Faculty to keep in touch with this work in such a way as to eliminate evils and make athletics clean and productive of real benefit to the participant. Students having unsatisfactory scholastic rank are debarred from intercollegiate athletics. In this division representative teams are organized for football, basket-

ball, baseball, track, cross-country running, and tennis. Participation for an entire season of a sport one hour credit in physical training.

2A. INTRAMURAL ATHLETICS. Intramural Athletics are maintained under the personal supervision of the Director of Physical Education and under the jurisdiction of a committee consisting of the president of the student body and a representative elected by each class or organization entering teams. In this division of physical training all students physically fit are given an opportunity to take part in athletic contests. Participation two hours a week for an entire season of a sport, one-half hour credit in physical training.

3A. GYMNASIUM CLASSES. In this course in Practical Gymnastics a variety of work is taught, including the Swedish system. Emphasis is laid on correct posture and breathing. Two hours a week, one hour credit.

4A. TEACHERS' COURSE. A special course in physical training designed to prepare students for positions as teachers of physical training or as coaches of athletic teams. Subjects treated: Organization and Administration, Physical Diagnosis, Aid to the Injured, School Hygiene and Sanitation, Gymnastics, Class Room and Playground Exercises and Games. Methods of coaching: football, baseball, basketball, and track.

PHYSICAL EDUCATION FOR WOMEN

1B. GYMNASIUM CLASSES. Same as 3A.

2B. INDIAN CLUBS.

3B. ATHLETIC GAMES. (Open to those physically fit.)

4A. Open to women with special qualifications.

Physics

1 and 2. ELEMENTARY PHYSICS. *Three hours a week thruout the year.* This course is intended for students who do not present high school physics for entrance. Recitations and laboratory work. Credit will be given only on the completion of the whole course. Open to Freshmen.

3. GENERAL PHYSICS. *Four hours a week, first semester.* This course will include recitations, demonstrations, lectures, solution of problems, and laboratory work in Mechanics, Sound and Light. Prerequisites: Course 1 and 2 and Mathematics 4. Primarily for Sophomores.

4. GENERAL PHYSICS. *Four hours a week, second semester.* A continuation of Course 3, following the same

methods and taking up the study of Heat, Magnetism and Electricity. Prerequisites are the same as for Course 3. Primarily for Sophomores.

5. METHODS. *One hour a week, second semester.* This course prepares students for teaching Physics in the high school. History, subject matter, text-books and methods of teaching; the purchase and care of laboratory apparatus and the organization of the laboratory. Reference: Mann, "The Teaching of Physics." Prerequisites: Courses 1, 2, 3, and 4. Primarily for Juniors and Seniors.

6. HEAT AND THERMODYNAMICS. *Three hours a week, first semester.* Advanced study in Heat and Thermodynamics; lectures, recitations and laboratory work. Open to Juniors and Seniors who have completed Courses 1, 2, 3, and 4, and Mathematics 5 and 6.

7. ADVANCED ELECTRICITY AND MAGNETISM. *Three hours a week, second semester.* An advanced study of practical Electricity and Magnetism. Lectures, recitation and laboratory work. Conduction of electricity thru gases and the electron theory during the latter part of the course. Prerequisites are the same as for Course 6.

8. THEORY OF LIGHT. *Three hours a week, first semester.* History and development of the modern theory of light, as it is applied to explain the nature and source of light. Especial emphasis will be placed on the laws of defraction and polarization. Time will also be given to a study of the problems of artificial lighting.

9. THEORY OF SOUND AND THE PHYSICS OF MUSIC. *Two hours a week, second semester.* This course is designed to meet the needs of students majoring in music. It will deal with the theory of sound, the characteristics of waves in gases, liquids and solids; the physical basis of music, and the properties of sounding bodies.

Political Science

1. INTRODUCTION TO POLITICAL SCIENCE. *Two hours a week, first semester.* The nature, organization and ends of the state. For Juniors and Seniors.

2. COMPARATIVE GOVERNMENT. *Three hours a week, second semester.* Study of the state as exhibited in the governments of earlier times and, more particularly, in the modern governments of Europe and America. Primarily for Sophomores.

3. AMERICAN DIPLOMACY. *Two hours a week, first semester.* Review of the diplomatic side of American and European history; study of cases showing the part of the United States in the development of international relations. For Juniors and Seniors. Not given in 1921-1922.

4. INTERNATIONAL RELATIONS. *Two hours a week, second semester.* Includes elements of international law, world politics, and special study of the problems of a League of Nations.

5. MUNICIPAL GOVERNMENT. *Two hours a week, first semester.* For Juniors and Seniors.

Philosophy

Note.—The aim of philosophy is the organization of human experience. The following courses in Psychology and Philosophy find concrete application in the Principles and Science of Education. The various courses in Education find their fuller meaning and unity in Philosophy.

1 and 2. PSYCHOLOGY. *Two hours a week thruout the year.* This course is an introduction to the systematic study of Psychology. The course begins with a description of the nervous system, its structural and functional organization, and its significance as a physical basis for the study of mental phenomena. The more important facts of mental life—association, memory, attention, perception, and volition—will be emphasized. Text-books, lectures, and discussions.

3. ABNORMAL PSYCHOLOGY. *Two hours a week, first semester.* Primarily for Juniors and Seniors. An analysis of abnormal mental phenomena. A concrete interpretation of the terms conscious, coconscious, subconscious, and unconscious, and their dynamic relations to one another. An endeavor will be made to explain these terms in the light of their modern representatives, as Freud, Jung, Adler, Prince, Coriat, Sidis, Ferenczi, Janet, and others. The causation and treatment of the various forms of neurosis and psychosis (double personality, obsessions, delusions, conflicts, complexes, phobias, etc.) should be of practical value to all earnest students who expect to pursue the following professions: Law, Medicine, and the Ministry. Some constructive interpretation will be offered in the field of Education, Art, and Literature. Textbooks, discussions and observations.

4. THE GROUP MIND. *Two hours a week, second semester.* Primarily for Juniors and Seniors. A special study in

Social Psychology. This course will consider the group mind from two points of view. First, the formulation and application of the principles, (imitation, normal and abnormal suggestion) which govern psychological groups, such as crowds, mobs, etc. Second, the formulation and application of the psychological principles which tend to explain the so-called mind, will, spirit and sentiment of the relatively permanent and highly organized groups such as the modern European nations. This study is designed to meet the needs of students interested in Psychology, Sociology and Anthropology. Text-books, discussions and investigations.

5. INTRODUCTION TO PHILOSOPHY. *Three hours a week, first semester.* This study serves as an introduction to philosophical problems. Discussions will be freed as much as possible from technicalities; no preliminary training in philosophical study will be necessary. The aim of this course is to develop critical reflection in regard to problems which are certain to arise in the mind and to suggest their possible solution.

6. PHILOSOPHY OF ETHICS. *Three hours a week, second semester.* This study will consist of the history and meaning of the more important ethical theories, both ancient and modern. Includes a discussion of the ethical aim in education, both as to its importance and its proper direction. Attention will be given to the ethical theories of the Greeks and to modern writers such as Kant, Spencer, Paulsen, Bowne, Dewey, and Shaw.

7. HISTORY OF ANCIENT AND MEDIEVAL PHILOSOPHY. *Two hours a week, first semester.* This study will endeavor to trace the development of philosophical thought from the sixth century B. C. to the sixth century A. D. Text-book study, discussions, and lectures.

8. HISTORY OF MODERN PHILOSOPHY. *Two hours a week, second semester.* A review of the development of modern philosophic thought, from its beginning in the sixth century to the present time. Particular attention will be given to those writers who have a close technical relation with the history of education. Systematic reading required in connection with the course.

9 and 10. PRINCIPLES OF PSYCHOLOGY. *One hour a week thruout the year.* Intended for those students having a general interest in the more advanced conceptions of the mental processes; will be intensive as well as extensive. The

psychological works of James, Munsterberg, Titchner, Yerkes, Sully and Spencer will be consulted. Open to Juniors and Seniors.

11. PRESENT PHILOSOPHICAL TENDENCIES. *Three hours a week, first semester.* The chief aim of this course is to give due attention to present philosophical tendencies. The discussion will center about Pragmatism, Realism, and Idealism, and the various relations of these philosophies to the practical problems of life. This course will consist of lectures, discussions, and assigned readings. Open to Graduate Students.

12. MODERN PHILOSOPHERS. *Three hours a week, second semester.* Selections from the various philosophical writings of Spencer, Royce, Hoffding, James, Eucken, Bergson, and Dewey, will serve as the basis of discussion in this course. Open to Graduate Students.

13. PHILOSOPHY OF RELIGION. *One hour a week, first semester.* This study will set forth briefly and concretely a few of the modern philosophies of religion. Considerable attention will be paid to value-judgments in their relation to religion. Much classroom discussion will center about the writings of Schleiermacher, Lotze, Neo-Hegelians, Martineau, Eucken, James, Schiller, etc. Lectures, discussions and readings. Not given 1921-1922.

14. PROBLEMS OF RELIGIONS. *One hour a week, second semester.* A practical continuation of the course in the philosophy of religion. The first part of the course will be concerned with the historic origins of religion. Later discussions will take up the more psychological phases of the subject—sin, salvation, conversion, atonement, faith, prayer, etc. If time permits, an attempt will be made to evaluate the various concrete and abstract arguments for God, Freedom, and Immortality. Lectures, discussions and readings. Not given 1921-1922.

Public Speaking

1 and 2. PRINCIPLES OF EXPRESSION. *Three hours a week thruout the year.* Vocal training; breathing, tone placing, modulation, rhythm, flexibility. Pantomime; studies in emotion, impersonations, class work in scenes. Impromptu speaking and criticism.

3 and 4. PLATFORM. *Two hours a week thruout the year.* The preparation of original and selected programs and their presentation in public.

5 and 6. ORATORY. *One hour a week thruout the year.* The development of the ability to think when before the public, to choose an appropriate vocabulary and to secure an effective delivery. Original and selected orations will be given in class and in public. Prerequisites: Courses 1 and 2.

7 and 8. DEBATE AND EXTEMPORANEOUS SPEAKING. *Two hours a week thruout the year.* The practical application of the principles of argumentation. Attention is given to delivery, voice development and the presentation of public debate. Additional credit is allowed for intercollegiate debating. Prerequisites: Courses 1 and 2.

9 and 10. INTERPRETATION. *Two hours a week thruout the year.* A careful interpretative study of selections from the classics of literature, the Bible and hymns. Story telling, the dialect, after-dinner, dramatic, epic. Each student is required to prepare and deliver an original production each semester. Seniors are required to present a recital during the year.

11 and 12. METHODS. *Two hours a week thruout the year.* Methods of elementary work in voice drill, analysis and interpretation; the conduct of classes, with criticism by the instructor. Courses intended for teachers of Public Speaking, and for teachers of English who are to teach expression, coach plays, debates, orations in high schools and colleges.

Religion

Besides the courses in the Department of Bible History in the College of Liberal Arts, we are able to offer the following courses given by the Faculty of Kimball School of Theology. They are open to any students of the College of Liberal Arts, who, however, must pay extra tuition if taking in any semester more than five hours from them.

1. GREEK NEW TESTAMENT. *Two hours a week, first semester.* Studies in the Book of Acts.

2. GREEK NEW TESTAMENT. *Two hours a week, second semester.* Studies in the Pauline Epistles.

3. OLD TESTAMENT INTRODUCTION. *Two hours a week, first semester.* Lectures and text study on "How We Got Our Bible." Authorship, dates, contents and geography of the Old Testament.

4. OLD TESTAMENT INTRODUCTION. *Two hours a week, second semester.* A continuation of Course 3, covering

study of manuscripts, versions, and extensive reading of the English Bible.

5. OLD TESTAMENT HISTORY. *Two hours a week, first semester.* The history of the Hebrew people and of the unfolding of the kingdom of God upon earth, on the basis of the Bible narrative. Not given in 1921-1922.

6. NEW TESTAMENT HISTORY. *Two hours a week, second semester.* The beginning of Christianity as set forth in the New Testament scriptures, with the historical background furnished in the developments among the Hebrew people in the period between the Old and New Testaments. Not given in 1921-1922.

7. CHURCH HISTORY. *Two hours a week, first semester.* From the Apostolic Age to the time of Charlemagne. Not given in 1921-1922.

8. CHURCH HISTORY. *Two hours a week, second semester.* From the time of Charlemagne to Martin Luther. Not given in 1921-1922.

9. CHURCH HISTORY. *Two hours a week first semester.* from Martin Luther to the Scottish Reformation.

10. CHURCH HISTORY. *Two hours a week, second semester.* From the Scottish Reformation to the present time.

11. CHRISTIAN EVIDENCES. *Two hours a week, first semester.* A study of the fundamentals of Christianity and of the value of Christian experience. Not given in 1921-1922.

12. PSYCHOLOGY OF RELIGION. *Two hours a week, first semester.* An investigation of religious phenomena.

13. PSYCHOLOGY OF THE CHRISTIAN LIFE. *Two hours a week, second semester.* A study of Christian experience.

14. COMPARATIVE RELIGIONS. *Two hours a week, first semester.* A survey of the various non-biblical systems of religion and of their relation to Christianity.

15. THEISM. *Two hours a week, second semester.* A study of the philosophic basis of this great belief of humanity.

16. OLD TESTAMENT LITERATURE. *Two hours a week, first semester.* Lectures and text on the literary study of the Bible. Extensive reading of the devotional literature of the Old Testament.

17. OLD TESTAMENT LITERATURE. *Two hours a week, second semester.* Course 16 continued. Interpretation with collateral readings, of the Wisdom Literature of the Old Testament.

18. MISSIONS. *Two hours a week, first semester.* A study of the great missionary leaders of history. Not given in 1921-1922.

19. MISSIONS. *Two hours a week, second semester.* A study of modern conditions in the Mission Field. Not given in 1921-1922.

20. HISTORY OF DOCTRINE. *Two hours a week, first semester.* A history of Ancient and Medieval Christian Theology. Not given in 1921-1922.

21. HISTORY OF DOCTRINE. *Two hours a week, second semester.* A history of Modern Christian Theology. Not given in 1921-1922.

22. HISTORY OF METHODISM. *Two hours a week, first semester.* A history of English Methodism from its founding to the founding of American Methodism.

23. HISTORY OF METHODISM. *Two hours a week, second semester.* A history of American Methodism from its founding to the present time.

24. HISTORY OF SOCIAL CHRISTIANITY. *Two hours a week, first semester.* A study of the influence of Christianity upon social progress thruout the Christian centuries.

25. EPWORTH LEAGUE METHODS. *One hour a week, first semester.* A practical study of methods that win in dealing with young people.

26. OLD TESTAMENT THEOLOGY. *Two hours a week, first seemster.* A historical study of the doctrinal beliefs the Hebrews as recorded in the Old Testament. Not given in 1921-1922.

27. NEW TESTAMENT THEOLOGY. *Two hours a week, second semester.* A historical study of the doctrinal beliefs of the New Testament Christians. Not given in 1921-1922.

28. RURAL SOCIOLOGY. *Two hours a week, first semester.* Brief comparative study of European and American rural life, with a more intensive study of American rural life as found in the villages and the open country. For those who have had principles of sociology.

29. RELIGIOUS EDUCATION. *Two hours a week, first semester.* A general course suggesting a program of religious education, and studying the foundations of religious education with reference to the meaning and nature of religion and education.

30. RELIGIOUS EDUCATION. *Two hours a week, second semester.* A continuation of Course 29 but not requiring having had the first semester's work.

31. ORGANIZATION AND ADMINISTRATION OF RELIGIOUS EDUCATION. *Two hours a week, second semester.* Methods of organizing and supervising church and community schools of Religious Education.

32 and 33. RURAL CHURCH ADMINISTRATION. *Two hours a week thruout the year.* This is a clinic course and aims to furnish suggestions and directions for a systematic year of pastoral work. The course comprises field, laboratory and classroom work. Open only to ministers who are serving pastoral charges.

34 and 35. HEBREW. *Two hours a week thruout the year.* A study of the language and its principles in preparation for intensive study of the Old Testament.

36. NEW TESTAMENT INTRODUCTION. *Two hours a week, first semester.* Lectures and text on the origin and development of the New Testament canon. Geography of this period.

37. NEW TESTAMENT INTRODUCTION. *Two hours a week, second semester.* Course 36 continued. A study of the authorship, date and contents of the books of the New Testament.

38. NEW TESTAMENT LITERATURE. *Two hours a week, first semester.* The life and teachings of Jesus as found in a study of the Gospels, with collateral readings.

39. NEW TESTAMENT LITERATURE. *Two hours a week, second semester.* The early Christian life and literature studied in the Acts and the Epistles.

Sociology

1. PRINCIPLES OF SOCIOLOGY. *Three hours a week, first semester.* A study of the structure of society and of the laws of its development. Primarily for Sophomores.

2. SOCIAL PROBLEMS. *Three hours a week, second semester.* A study of the more important social problems, including population, immigration, the negro, the family, education, poverty and crime. Primarily for Sophomores.

3. RURAL SOCIOLOGY. *Two hours a week, first semester.* The problems of country and village life with references to local needs and general welfare. For Juniors and Seniors. See Religion 28.

4. SPECIAL PROBLEMS. *Two hours a week, second semester.* Intensive study of a limited number of social problems. For Juniors and Seniors.

5. STATISTICS. *Two hours a week, first semester.* Principles and methods of statistical science; practice in their application. For Juniors and Seniors. Not given in 1921-22.

6. ANTHROPOLOGY. *Two hours a week, second semester.* General problems of anthropology—origins, races, languages, primitive culture. For Juniors and Seniors. Not given in 1921-22.

Spanish

1 and 2. ELEMENTARY COURSE. *Four hours a week thruout the year.* Grammar, De Vitis. Easy prose; pronunciation. Verb drill. Books such as "Elementary Reader," "Flores de Espana," etc., read. Diction, composition and conversation. Memory work .

3 and 4. INTERMEDIATE COURSE. *Three hours a week thruout the year.* Books such as "A Trip Through South America," "Spanish American Reader," "Galdos' Dona Perfecta," read. Study of one or two modern dramas. Papers on work read and given subjects. Drill in modern idioms. Conversational exercises.

5. ADVANCED COURSE. *Three hours a week, first semester.* Prose and poetry. Study of some commercial reader. Newspapers and magazines read. Composition and conversation.

6. ADVANCED COURSE CONTINUED. *Three hours a week, second semester.* Newspaper reading continued. Literature. Selections from Cervantes and other representative writers of the "Siglo de Oro." Frequent papers. Ample conversation.

COLLEGE OF LAW**Calendar**

1921

- September 19, 20, 21—Registration and Examinations.
September 22—Instruction begins.
November 24—Thanksgiving vacation begins.
November 28—Second term begins.
December 23—Christmas vacation begins.

1922

- January 3—Christmas vacation ends.
February 1—Third term begins.
April 1—Fourth term begins.
June 11—Baccalaureate Sunday.
June 14—Commencement Day.

The three years course of study of the College of Law of Willamette University covers all the branches of the law and is designed to give the student a general foundation and knowledge of fundamental principles and fit him for the active practice of the profession.

Location

Salem has several important advantages for the student of Law. It is the capital of the State of Oregon and the public institutions and offices are located here. The Supreme Court is almost constantly in session, and the arguments of the best counsel of the state, upon appealed cases, may be heard by students.

Library

The Law Department of the Willamette University has exceptional library facilities, on account of its location directly across the street from the State Law Library, containing more than thirty thousand volumes of which the students have the use at all times and in which are found many of the documents of historic value and copies of the laws of every state in the United States, from the earliest Colonial times. The decisions of the Appellate and Supreme Courts

of all the states and decisions of the Federal Courts from lowest to highest as well as the reported decisions from Great Britain, Canada and all the countries wherein the common law prevails, as well as many of the reports and codes of civil law countries, thus covering all sources of information concerning the history, administration and practice of the law are available. The Law Library also contains the pleadings and briefs of all cases decided in the Supreme Court of Oregon, thus furnishing additional information as to the preparation of cases for trial in this state. It also contains a most up-to-date collection of text-books in every department of the law, by the ablest text writers. In these and other respects both the law and reference libraries are equal if not superior to any other found on the Pacific Coast and furnish facility for the study of law found nowhere else.

Courts

In addition to the Supreme Court of Oregon above referred to, the Circuit, County and District Courts are also represented and the student has ample opportunity to attend their proceedings, and supplement his newly acquired learning with observation of actual examples in the trial courts. The biennial session of the State Legislature is also a matter of interest to law students.

University

The students of the Law College are members of the student body of the University and have the opportunity of engaging in the various student enterprises and activities in common with the students of the other departments. They may participate in the inter-university contests, both athletic and intellectual, and do, in fact, take a prominent place in the student affairs. They are able to register in the College of Liberal Arts for such supplementary work as they may need at part tuition rates. The social advantages of membership in the University are well worth attention. The moral and religious influences of the institution are especially good.

FRESHMAN YEAR—1921-1922

Instructor.	Subject.	First Term.	Second Term.	Third Term.	Fourth Term.
Elmo S. White	Blackstone	Sep. 22—Nov. 22 6 days a week			
M. E. McGilchrist Ray L. Smith	Contracts Agency		Nov. 28—Mar. 30 Mon. & Thurs. Jan. 31—Mar. 28 Tues. & Fri.		
Ray L. Smith	Personal Property				Apr. 3—May 25 Mon. & Thurs.
E. M. Page	Criminal Law and Procedure		Nov. 29—Jan. 27 Tue & Fri.		
Ivan G. Martin	Domestic Relations		Nov. 30—Jan. 28 Wed. & Sat.		
M. E. McGilchrist	Torts			Feb. 1—May 27 Wed. & Sat.	
M. E. McGilchrist	Bailments and Carriers				Mar. 31—May 26 Tues. & Fri.
Dean I. H. Van Winkle	Moot Court		Every Monday evening at 7:30 thruout the year.		

JUNIOR YEAR—1921-1922

James W. Crawford	Real Property	Sept. 22—Mar. 30 Mon & Thurs.			
Roy F. Shields	Evidence	Sept. 24—Jan. 28 Wed. & Sat.			
Ronald C. Glover	Equity			Jan. 31—May 26 M. Tu. Th. Fri.	
W. E. Keyes	Bills and Notes	Sept. 23—Jan. 27 Tue. & Fri.		Feb. 1—Mar. 29 Wed. & Sat.	
Elmo S. White	Partnership				Apr. 1—May 27 Wed. & Sat.
John Carson	Corporations				
Dean I. H. Van Winkle	Moot Court		Every Monday evening at 7:30 thruout the year.		

SENIOR YEAR—1921-1922

Roy F. Shields	Pleading and Probate	Sept. 22—Mar. 30 Mon. & Thurs.			Review
Ray L. Smith	Constitutional Law			Feb. 1—May 27 Wed. & Sat.	
Ray L. Smith	Code	Sept. 23—May 26 Tue & Fri.			
James W. Crawford	Fed. Court Practice and Bankruptcy	Sept. 24—Jan. 28 Wed. & Sat.			
Dean I. H. Van Winkle	Moot Court		Every Monday evening at 7:30 thruout the year.		

Requirements for Admission

Applicants for admission to the Freshman class must be at least eighteen years of age and must furnish certificates of good moral character. Graduates of high schools maintaining a standard four-year course of study, or educational institutions whose course is equivalent to such a high school course, are admitted without examination. Other applicants are required to pass satisfactory examination in the essential subjects of a four years' high school course. In special instances, persons whose educational qualifications are deficient may have the opportunity of making the necessary grades in the College of Liberal Arts during the time they are taking the Law Course.

Course of Instruction

The course of study covers a period of three years and terminates with the degree of Bachelor of Laws (LL.B.). The course is so designed as to impart a sound and thoro legal education and to qualify the student to practice in any of the State Courts in the United States or the Federal Courts. The method of instruction is a combination of the text-book, the lecture, and case system with practical experience in briefing and pleading. Attention is especially called to the extensive course on Code and Practice Work, covering two periods a week thruout the entire school year.

Compulsory attendance upon and participation in the practice work of the Moot Court conducted one evening each week, is in addition to the above schedule. Actual cases are tried according to the practice of the State Circuit Courts.

For additional information and special Law College Bulletin, address Willamette University, Salem, Oregon, or Ray L. Smith, Secretary, 303 Bank of Commerce Bldg., Salem, Oregon.

THE SCHOOL OF MUSIC

The University has long recognized the educational value of music and its influence for the betterment of humanity. It has, therefore, well succeeded in making this department of high standing and excellence. Its purpose is to afford students a careful and thoro technical training in music and to develop an artistic appreciation of the best compositions.

The School occupies a building devoted to its own uses, which contains studios for teaching and practice rooms that are complete in arrangement and equipment. Among the special advantages, students of music will realize that their

work may be pursued with great profit in a city affording such opportunities as are to be found in Salem. As the prosperous capital city of the state its concerts, lectures and social refinements strongly conduce to the attainment of artistic ability. At the same time the student has the opportunity to take courses in literature, science and language in the University, while his participation in the student activities is both agreeable and helpful.

The definite aim of the department is two-fold: 1. To provide a thoro training for students who intend to follow the profession of music as teachers, composers and performers. 2. To offer a course of technical study to those who wish to devote themselves to musical criticism and literature, and for the cultivation of musical taste. The work is similar to that given in the best schools of music, and includes the following courses: Preparatory, Junior and Senior, and Public School Music.

The time required for the completion of any course of study depends on the previous preparation, ability, application and character of the work of the student.

GLEE CLUBS. The University maintains a glee club for men and a glee club for women. These clubs give concerts in Salem and vicinity and in towns and cities of the adjacent states. Students are eligible to membership in an excellent choir.

PIPE ORGAN. A large two manual pipe organ, operated electrically, is in Waller Chapel and is used for the daily chapel service, for recitals, instruction and practice.

All students may receive credit toward the A. B. degree for the courses in Harmony, History of Music, Theory and Applied Music. Those majoring in Music must complete at least twenty-two semester hours in said subjects, besides the courses in Sight-Singing and Ear Training for which no credit is given. At least sixteen of these twenty-two hours must be made in the theoretical subjects and six in Applied Music. Not more than twenty-eight semester hours may be counted toward the A. B. degree.

The following courses are offered:

1. Professional, with credits toward the A.B. degree in the College of Liberal Arts.
2. Diploma, leading to a Diploma, without degree.
3. Public School, leading to a Certificate in Public School Music.

OUTLINE OF COURSES

Professional

1 and 2. SIGHT-SINGING AND EAR TRAINING. *Two hours a week thruout the year.* While no credit is given for this course every music student is requested, and *all students desiring credit for any music work are required* to take it until excused by the instructor. The fundamentals of music are taught, including scale-building, intervals, rhythms, etc. Extensive practice in Sight-Singing is given, and pupils are taught to write in correct notation musical phrases, intervals and chords which are played to them.

3. HARMONY. *Two hours a week, first semester.* Terminology, major and minor scales, intervals, triads, seventh chords, and their inversions. Prerequisite: Course 1 and 2, or its equivalent.

4. HARMONY. *Two hours a week, second semester.* Continuation of Course 3. Cadences, harmonizing melodies with dominant and tonic, melody writing, analysis, transposition, the leading tone chord and by-tones. Great emphasis is laid upon key-board work and the development of the ear.

5. HARMONY. *Two hours a week, first semester.* Continuation of Course 4. Harmonic analysis, key-board work, ear training and the harmonization of melodies are continued, introducing the following chords: Sub-dominant, supertonic, sub-mediand and mediand.

6. HARMONY. *Two hours a week, second semester.* Continuation of Course 5.

7. HARMONY. *Two hours a week, first semester.* Continuation of the work of Course 6, introducing chromatic chords, modulation, modern scales and harmonization, etc.

8. HARMONY. *Two hours a week, second semester.* Continuation of Course 7.

9. HISTORY AND APPRECIATION OF MUSIC. *Two hours a week, first semester.* A course of lectures together with supplementary research work, dealing with the evolution of music, the development of the opera, the orchestra, vocal and instrumental music.

10. HISTORY AND APPRECIATION OF MUSIC. *Two hours a week, second semester.* The lives and works of the composers.

11. THEORY OF MUSIC. *Two hours a week, first semester.* This course includes acoustics, the orchestra and its

instruments, and intensive study of notation and musical embellishments.

12. THEORY OF MUSIC. *Two hours a week, second semester.* Musical form. The suite, the sonata, vocal and contrapuntal forms are studied. Schumann Op. 68, Mozart's Sonatas, Mendelssohn's Songs without Words, Bach's Inventions and Fugues are analysed.

13 and 14. PUBLIC SCHOOL MUSIC METHODS. *Two hours a week thruout the year.* A study of the various methods of teaching music in the public schools.

15 and 16. ENSEMBLE. *One hour a week, thruout the year.* Arranged in classes of four each. These classes will study and perform the Overtures and Symphonies of Haydn, Mozart, Beethoven, Weber and selected four and eight hand arrangements of the works of various composers. No credit is given for this course which is, however, required of all students majoring in Piano, and of those taking Courses 11 and 12, unless excused by the instructor.

17 and 18. NORMAL TRAINING. *Two hours a week thruout the year.* No credit is given for this course which is recommended to all piano students and required of those who are candidates for a Diploma in Music. Children between ages of seven and twelve, who have never studied music, are enrolled in the children's classes of this course and are taught twice a week by Junior and Senior students. The work is outlined by the head of the Piano department, who supervises the teaching, and who lectures once a week on Musical Pedagogy. The children will receive two individual lessons and one class lesson per week. The class lessons consist of table work, elementary training in intervals, chords, scale building and ear training. The books used are the New England Conservatory Course, Grades I and II.

APPLIED MUSIC. *One hour (two half-hour lessons) a week, thruout the course.* Voice, Piano or Organ. Two hours practice a day is required. No credit toward the A. B. degree is given for this work unless justified by the nature of the compositions studied and the character of the work done, and unless approved by a majority vote of the music department instructors.

To receive credit in Piano or Organ toward an A. B. degree, the student must have completed the New England Conservatory Course Grade II or its equivalent. The fol-

lowing works are among those which will be studied in the Piano course:

New England Conservatory Course Grade III; Bach, Two and Three Part Inventions; Haydn, Sonatas; Mendelssohn, Songs without Words; Cramer, Fifty Selected Studies; Mozart, Sonatas and Concertos; Czerny, op. 740; Clementi, Gradus ad Parnassum; Beethoven, Sonatas and Concertos; Bach, Well Tempered Clavichord; selections from the works of Schubert, Schumann, Chopin, Brahms, Greig, Liszt, Mac Dowell, and the modern school.

To receive credit in Voice an A. B. degree, the student must have completed a very systematic study of deep breathing, together with the formation of pure vowel sounds and consonants, and have had a wide and varied study of scales and vocalises. Moreover, while taking voice work for credit he must be a regular attendant at Chorus and Choir.

The following are some of the works to be completed: Songs of Schubert, Schumann, Brahms, Jensen, Greig, Bemberg, Massanet, and certain American composers; Arias from the operas of Handel, Verdi, Massanet, Cadman, etc.

Diploma Course

PREPARATORY

PIANO. *Two lessons a week thruout the year.*

SIGHT READING AND HARMONY. *Two lessons a week thruout the year.*

CHOIR AND CHOIR PRACTICE. *Throughout the course.*

PRACTICE. *Three to four hours daily thruout the course.*

Appearance on programs and attendance at recitals.

JUNIOR YEAR

PIANO. *Two lessons a week thruout the year.*

HARMONY. *Two hours a week thruout the year.*

HISTORY OF MUSIC. *Two hours a week thruout the year.*

SIGHT READING. *Two hours a week thruout the year.*

APPRECIATION OF MUSIC, combined with HISTORY OF MUSIC.

PRACTICE. *Three to four hours a day thruout the year.*

Appearances on programs and attendance at recitals.

SENIOR YEAR

PIANO. *Two lessons a week for the year.*

HARMONY. *Two lessons a week for the year.*

THEORY OF MUSIC. *Two hours a week for the year.*

CHOIR AND CHOIR PRACTICE. *Thruout the year.*

PRACTICE. *Three to four hours a day for the year.*

SIGHT READING. *Two sessions a week thruout the year.*

ENSEMBLE. *One hour a week thruout the year.*

VOICE students must take two lessons in Voice and one in Piano.

Appearance on programs and attendance at recitals.

Any student desiring to enter the Junior or Senior year of this course must pass an examination in the requirements outlined for the preceeding year. Those who have not the required preparation must take the work of the preceeding year.

Any student desiring the diploma in Piano is required to teach one year in the Normal Training Department. (*Two hours per week*).

Public School Music

FIRST YEAR

VOICE. *One or two lessons a week thruout the year.*

PIANO. *One lesson a week thruout the year.*

HARMONY. *Two hours a week thruout the year.*

PUBLIC SCHOOL MUSIC. *Two hours a week thruout the year.*

SIGHT SINGING. *Two hours a week.*

HISTORY AND APPRECIATION OF MUSIC. *Two hours a week thruout the year.*

PRACTICE. *Two to three hours daily.*

SECOND YEAR

VOICE. *One or two lessons a week thruout the year.*

PIANO. *One lesson a week thruout the year.*

HARMONY. *Two hours a week thruout the year.*

PUBLIC SCHOOL MUSIC. *Two hours a week thruout the year.*

SIGHT SINGING. *Two hours a week.*

CONDUCTING SIGHT SINGING CLASS. *Two lessons a week thruout the year.*

THEORY OF MUSIC. *Two hours a week thruout the year.*

CHORUS. *Thruout the year.*

PRACTICE. *Two to three hours daily.*

Fees

PIANO AND VOICE

Private lessons, two each week, per semester.....	\$35.00
Private lessons, one each week, per semester.....	18.00
Private lessons, less than a semester, per lesson.....	1.20
(Lessons given by Prof. Hobson 25 per cent additional.)	

PIPE ORGAN

Private lessons, two each week, per semester.....	\$54.00
Private lessons, one each week, per semester.....	30.00
(This charge includes the use of the pipe organ for five hours practice per week.)	

HISTORY, HARMONY, COUNTERPOINT

Two lessons each week, per semester.....	\$10.00
Public School Music Methods, two lessons each week, per semester	10.00
Sight Reading, two lessons each week, per semester.....	5.00

GLEE CLUBS AND CHORUSES

Instruction	Free
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RENTAL OF INSTRUMENTS

Piano, two hours each day, per semester.....	\$7.00
Piano, one hour each day, per semester.....	5.00
Pipe organ, with power, each hour practice.....	.25

NOTE.—No refund will be made for absence from lessons or for discontinuance *except in cases of severe personal illness*; but in case of such unavoidable absence the work may be made up by appointment before the close of the semester.

For further information, please write to the Director, Prof. E. W. Hobson, Salem, Oregon.

GENERAL INFORMATION

RELIGIOUS LIFE. The University was founded, and is maintained, by those who believe that education should include Christian culture. It seeks to develop scholarship and, at the same time, to promote high Christian character. A daily chapel service is held in Waller Hall at which all students are required to be present, and persons not fully approving this requirement are requested not to matriculate. The students have Christian Associations for both sexes, a Mission Study class, several Bible Study classes, an Association of Student Volunteers, and many of them are active in the work of the local churches. The interest of the professors in the personal life of the students and in the various Christian organizations is directed toward securing proper individual self-government. The influence of the University is not sectarian and students of all denominations, or of no church affiliation, are equally welcomed to the privileges of the school. Salem is well provided with churches, the pastors of which actively co-operate with the University. Every student is expected to attend the church of his choice at least once a Sunday. Special religious services are held each year for the definite purposes of emphasizing the personal Christian life.

REGULATIONS. The University endeavors to maintain a high standard of conduct for the good of all students. In directing the student life, appeal is made to reason and conscience; and principles of Christian honor and courtesy are emphasized. The regulations are such as everywhere govern the conduct of ladies and gentlemen of high ideals and serious purposes. The student is required to abstain from the use of intoxicants and cigarettes at all times, and of tobacco in any form on the campus. Undue attendance at social functions or forms of amusement is discouraged. The University wishes to devote itself to students who are earnest and not triflers, who are of high morals and not idlers. Students who waste their time and themselves are not desired. Matriculation pre-supposes a full willingness to conform to the usages and spirit of the institution. The University reserves the right to dismiss, at any time, a student who is not in sympathy with the ideals and methods of the institution.

SELF SUPPORT. The lack of money alone need not prevent young persons of energy and persistence from obtaining a college education. Many earn money during leisure hours

and vacations which enables them to complete the course free of debt. Some of the best graduates have thus put themselves through the University and are now in positions of power. Salem offers opportunities for self support to nearly all who are upon their own resources, but usually work cannot be engaged before the student is on the ground. The University and Christian Associations do all they can to aid students to find work. However, it is often better to graduate with a small debt which may be paid in a year or two thereafter, than to attempt to work one's way through the whole course under a strain.

Board and Room

LAUSANNE HALL. This large and modern building is completed and affords superior accommodations for one hundred and twenty-five women. A description circular giving diagram, price and other information will be sent on application. All out-of-town women are required to live in Lausanne unless the Dean of Women approves another arrangement.

BOARDING CLUBS. Co-operative boarding and rooming clubs are conducted by the students at an expense ranging from \$5.00 to \$7.00 a week for both room and board.

Gifts of the Year

In addition to numerous gifts toward the fund for the erection of a women's dormitory and the war emergency fund, the University gratefully acknowledges gifts for rebuilding the partly destroyed Waller Hall and to the Freshman class for placing cement walks on the campus at the three entrances to Waller Hall.

BOARD OF EDUCATION LOANS. The Board of Education of the Methodist Episcopal Church controls a fund for the purpose of aiding students who are of that church. It is loaned upon the recommendation of the University and under conditions which are not burdensome.

THE BOOTH FUND. Hon. R. A. Booth, of Eugene, Oregon, has placed in the hand of a special trustee the sum of \$1000 to be loaned to properly recommended students. These loans which are for a short term, have been of great assistance to many who otherwise would have been obliged to discontinue school. Another friend has placed \$400 with the President to aid needy students.

HOME SCHOLARSHIPS. The Oregon Children's Aid Society has made the University the trustee to administer a fund of approximately \$8000, the interest from which is to be used in educating orphans and half-orphans of the State of Oregon who are students of the College of Liberal Arts in Willamette University, and who maintain a standard of scholarship that is above the average. These scholarships amount to \$100 each.

HIGH SCHOOL SCHOLARSHIPS. The University in connection with the other Independent Colleges of Oregon, offers a Freshman Scholarship to a certain number of the standard high schools of Oregon. For full information, write to the Dean of the University.

RHODES SCHOLARSHIPS. Students of the University are eligible to the scholarship established by Cecil Rhodes granting three years' residence in study at the University of Oxford, England. Two graduates of Willamette have already won this distinction. Announcement is made to the students of the time, place and conditions of the selective examinations.

ELIGIBILITY. In the interest of the individual student and for the purpose of distributing responsibilities and honors no student may hold more than one important office during a semester.

No student marked failed the preceding semester is eligible to office except by special action of the Faculty. Only students doing satisfactory class work and those whose conduct is commendable are eligible to election to any office. Such standards of work and conduct must be maintained throughout the tenure of office.

To participate in any inter-collegiate or inter-society contest or represent the College or any class in any public way, a student must be regularly registered and be doing satisfactory work in a minimum of twelve hours of college work. A student below passing grade in any course for which he has registered is debarred from participation in any such contest or representation.

Addresses, Concerts and Entertainments

The location of the University in a city of the character of Salem affords persons an opportunity to hear a large number of different speakers in the discussion of themes of intellectual value. Salem is also visited by singers and entertainers of the highest reputation. Men and women of national

reputation are secured from time to time for the daily chapel exercises.

Senior Scholars

At commencement a limited number of departments may appoint, with the approval of the dean, certain Juniors, majoring in their departments, as Senior Scholars for the next college year. The basis of choice for this honor shall be scholastic standing and fitness to profit by the appointment. Senior Scholars will be given opportunity, under the direction of their instructors to make a special study of teaching methods, to examine and to criticise papers and notebooks, to assist in laboratory work, and occasionally, to do practice teaching in sub-Freshman classes. Credits will be given according to the character and the amount of work done. In no case, however, will it exceed six hours credit for the year. While a professor may not appoint more than one such scholar he may, at his discretion, give opportunity to one or two other seniors, majoring in his department, to do similar work and to receive similar credit, without designation as Senior Scholars.

The Senior Scholars for 1920-21 are: History, Helen Satchwell; Chemistry, Lester Day; Latin, Ina Moore; French, Charlotte Croisan.

Prizes

KEYES PRIZES. Hon. Walter E. Keyes, of Salem, offers two prizes of \$15 and \$10 to those who win first and second honors in oratory.

These prizes were won this year by Mr. Paul Wapato, Okanogan, Wash., and Miss Myrtle Mason, Boise, Ida.

JOHNS PRIZE. A prize of \$10 is offered by Justice Chas. Johns, '78, for the student who does the best work in Latin. The prize was awarded in 1920 to Miss Ruth H. Taylor of Sunnyside, Washington.

STEEVES PRIZES. Dr. B. L. Steeves, of Salem, offers prizes of \$10 and \$5 to the winners of first and second places in debates.

These prizes were won this year by Mr. Sheldon Sackett, Sheridan, Oregon, and Mr. Bernard Ramsey, Powell Butte, Oregon.

UNIVERSITY PRIZES. The University offers the following prizes to winners in any University contest in Public Speaking, to be applied in the College of Liberal Arts, except

when won by Seniors in their last semester, on any semester following the one in which the contest takes place:

1. One-half semester's bill to the winner in a local contest.
2. One semester's bill to the winner in an inter-collegiate contest.
3. Two semesters' bill to the winner in an inter-state contest.

(A winning team in debate will divide the University prize.)

The winners of the University prizes are: Mr. Paul G.

Wapato, Okanogan, Wash.; Mr. Bernard Ramsey, Madras, Ore.; Mr. Sheldon Sackett, Sheridan, Ore.; Mr. Robert Notson, Heppner, Ore., and Mr. Frank Bennett, Gooding, Idaho.

ALBERT PRIZE. Mr. Jos. H. Albert, of Salem, awards \$25 to the student having a record for faithful study and a scholarship not below the average, who, during the school year, opportunities considered, has made the greatest progress toward the ideal in (1) Character, (2) Service, and (3) Wholesome Influence. The award will be made in the following manner: The Faculty, thirty days before Commencement, shall nominate three students for the honor and the Student Body two weeks before Commencement shall select one of the three by secret ballot. No person may receive this prize more than once.

This prize was awarded last year to Mr. Frederick McGrew, Idaho Falls, Idaho.

ALPHA KAPPA NU. Not more than 20 per cent of any Senior class are eligible to election in this honorary scholarship society. Elections are made by the Faculty on the basis of Scholarship and Character, in May preceeding graduation. The Scholars elected in 1920 were Grace C. Bagley, Salem, Ore.; Velma M. Baker, Hartline, Wash.; Freda Campbell, Salem, Ore.; John F. Cramer, La Grande, Ore.; Paul H. Doney, Salem, Ore.; Mary E. Findley, Salem, Ore.; Dorothy O. Savage, Salem, Ore.; Genevieve L. Yannke, Salem, Ore.

Student Organizations

THE STUDENT BODY. This is an organization of all the students in the University. It is under the supervision of the President and Faculty and has control of general student affairs; such as athletics, the business management of the Collegian, inter-collegiate debates, oratorical contests, etc. The Student Body fee of \$5.00 per semester, payable

at the time of registration, constitutes a fund for the expenses of these various activities.

CHRISTIAN ASSOCIATIONS. The Young Men's and the Young Women's Christian Associations hold weekly meetings and otherwise contribute to the Christian work of the University. They give special attention to the new students, meeting them at the trains, helping them to locate, and making every effort to have them feel at home in Salem.

GIRLS' WILLAMETTE CLUB. This is an organization of the young women for the promotion of worthy standards of conduct in all College activities, athletic, literary, and social; and for commemorating Jason Lee.

ORATORICAL ASSOCIATION. In connection with the Inter-Collegiate Association, this organization conducts the local oratorical contests and otherwise promotes interest in public speaking.

STUDENT VOLUNTEER BAND. Young people of the University who plan for work in the foreign field meet weekly for the purposes of studying the questions in their proposed vocation and to enlist further interest in the subject of foreign missions. Annually a number of the volunteers attend some convention devoted to missions.

WILLAMETTE INSTITUTE OF SCIENTIFIC RESEARCH. This is an organization of both students and alumni having as its object original scientific research. The requirements for membership are high and only the more advanced students in science can gain entrance.

LITERARY SOCIETIES. Of these there are eight. The Philodorian, Adelante, Chrestomathean, and the Palladian are for young women, and the Philodorian, Websterian, Chrestophilian and Lincolnian are for the young men. They have pleasant and well-furnished halls, holding weekly meetings and afford excellent training in composition and public speaking.

GLEE CLUB. A limited number of young men, selected by the Director of the School of Music, meet at stated periods for vocal training and later give concerts in Salem and throughout this section of the country.

LADIES' GLEE CLUB. This organization is composed of young women who have vocal talent. The Club appears in recitals, gives programs in connection with the University and in nearby towns.

Publications

UNIVERSITY BULLETIN. This publication is issued quarterly and furnishes information concerning the University, its activities, development and plans. Extra numbers are occasionally published.

COLLEGIAN. The college paper appears weekly and represents the student life of the institution. The Editor and the Business Manager are elected by the Student Body. Subscription to the Collegian is included in the Student Body fee.

WALLULAH. Published by the Junior Class, this annual volume presents the various phases of college life from the viewpoint of the students.

HAND BOOK. The two Christian Associations publish this booklet yearly. It contains a miscellaneous amount of useful information concerning college organizations and activities.

Needs of the University

The service which Willamette University has been enabled to render for three-fourths of a century, its exceptional location, its campus, buildings and equipment, its ideals and the service it is now rendering suggest that the institution is worthy of other gifts. It is now in urgent need of a gymnasium and an assembly hall. In order to continue to do the best work, it should have a central heating plant, additions to the library fund and to the general endowment.

There are three ways to make gifts:

1. Make gifts outright for a particular purpose, or to be used as the Trustees think best.

2. Make gifts on the Annuity Plan. According to this plan, the donor transfers money to the University, and the Trustees legally execute to him an Annuity Bond insuring him a stated per cent on the sum yearly as long as he lives. At the donor's death, the interest ceases and the money remains with the school. The advantages of this plan are: (a) The donor pays no taxes on the money; (b) There are no fees or allowances paid to the executor or administrator; (c) The donor is freed from all care or anxiety; (d) The donor is enabled to become the executor of his estate during his lifetime; (e) The gift begins its good service immediately. The plan is absolutely safe, the Annuity Bond being guaranteed by all the property of the University and the Board of Trustees.

3. Remember the University in your will, using the following form: I give and bequeath to the Board of Trustees of Willamette University, located in Salem, Oregon, the sum of \$.....to be used by said Board of Trustees for the uses and purposes of said Corporation. (Or name some particular purpose.)

REGISTER OF STUDENTS

College of Liberal Arts

(Classification as of September, 1920)

POST GRADUATES

Gatke, Robert Moulton (A.B. Willamette University)	Portland, Oregon
Howard, William W. (A.B. University of the Pacific)	Portland, Oregon
Keefer, Charles Murray (A.B. Willamette University)	Salem, Oregon
Shattuck, Willard R. (A.B. Northwest Nazarene College)	Greenleaf, Idaho

SENIORS

Aldrich, Frederic	Salem, Oregon
Ausman, Glyde	Salem, Oregon
Basler, Loren H.	Bremerton, Wash.
Benner, Joseph	Lebanon, Oregon
Bennett, Frank B.	Gooding, Idaho
Berg, C. Elizabeth	Fruitland, Idaho
Chenoweth, Iris M.	Woodburn, Oregon
Croisan, Charlotte M.	Salem, Oregon
Crozer, Gladys M.	Salem, Oregon
Davies, Lawrence E.	St. Helens, Oregon
Day, Paul L.	Bremerton, Wash.
Dunnette, Beatrice A.	Salem, Oregon
Emmel, Herald W.	Portland, Oregon
Eyre, Winifred	Salem, Oregon
Fisher, Robbin E.	Salem, Oregon
Flegel, Paul S.	Portland, Oregon
Garrett, Mildred	Salem, Oregon
Gilbert, Edna	Salem, Oregon
Gilbert, Tinkham	Salem, Oregon
Gutschow, Marguerite	Salem, Oregon
Jackson, Rein Everett	Salem, Oregon
Jones, Areta V.	Gervais, Oregon
Lawson, David J.	Blanchard, Wash.
Lawson, Maurice W.	Blanchard, Wash.
Lewis, George E.	Salem, Oregon
Linn, Leland P.	Silverton, Oregon
Lippold, Elsie R.	Salem, Oregon
Lyman, Keith A.	Gresham, Oregon
Mason, M. Myrtle	Boise, Idaho
Moore, Ina V.	San Pedro, Calif.
Morse, W. Bernard	Salem, Oregon
McClure, Sybil C.	Portland, Oregon
Notson, Mary E.	Heppner, Oregon

Peringer, Fay	Bellingham, Wash.
Persons, Rhoda	Salem, Oregon
Putnam, Welcome R.	Salem, Oregon
Rarey, Raymond H.	Tacoma, Wash.
Rarey, D. Russell	Tacoma, Wash.
Sammons, Gordon	Falls City, Oregon
Satchwell, Helen L.	Shedd, Oregon
Schmalle, Raymond	Salem, Oregon
Sherwood, William E.	Salem, Oregon
Smith, Sibyl E.	Vancouver, Wash.
Socolofsky, Edwin D.	Salem, Oregon
Spiess, Henry R.	Milwaukie, Oregon
Steeves, Muriel	Salem, Oregon
Story, Robert C.	Wolf Creek, Oregon
Thomas, Ralph I.	Medford, Oregon
Welch, Alice R.	Salem, Oregon
Wells, Mildred E.	Portland, Oregon
Wilken, Hubert T.	Grants Pass, Oregon
Wilkinson, Floyd	Salem, Oregon
Wise, Paul W.	Salem, Oregon

JUNIORS

Bailey, Leslie Billings	Salem, Oregon
Bartholomew, Gladys I.	Salem, Oregon
Blatchford, Lorlei	Salem, Oregon
Buckner, Dorothea	Salem, Oregon
Busch, Ruth	Salem, Oregon
Byars, William Nesbitt	Goldendale, Wash.
Campbell, Glen W.	Emmett, Idaho
Clutter, Lelia	Salem, Oregon
Collins, Grace E.	Portland, Oregon
Cooley, Ruth	Salem, Oregon
Coulter, Jay D.	Amity, Oregon
Curtis, Ralph	Bend, Oregon
Day, Lester S.	Bremerton, Wash.
Dimick, Ramon E.	Aurora, Oregon
Fanning, Irma E.	Salem, Oregon
Gard, Le Roy W.	Salem, Oregon
Gilbert, Elsie	Salem, Oregon
Gillespie, Opal L.	Salem, Oregon
Gillette, Clarence J.	Woodburn, Oregon
Gragg, Frances V.	Salem, Oregon
Harra, Garnet	Salem, Oregon
Hawley, Edith N.	Woodburn, Oregon
Ledbetter, Ruby F.	Alicel, Oregon
Leitner, Bertha	Portland, Oregon
Linn, Marion C.	Silverton, Oregon
Lyman, Harold D.	Gresham, Oregon
Marsters, Lyman	Halsey, Oregon

Minton, Marjorie	Salem, Oregon
Mocroft, Ethel I.	Forest Grove, Oregon
Moodhe, Noble S.	Spokane, Wash.
McEuen, Harry	Coeur d'Alene, Idaho
McKittrick, Bryan	Wenatchee, Wash.
McWilliams, Flora	Salem, Oregon
Nicholl, William	Salem, Oregon
Nickel, Jacob A.	Dallas, Oregon
Pollock, Dean	Salem, Oregon
Power, F. Kenneth	Salem, Oregon
Rarey, Harry E.	Tacoma, Wash.
Rickli, Benjamin E.	Spring Garden, Calif.
Ruggles, Laura	Vancouver, Wash.
Sackett, Sheldon F.	Sheridan, Oregon
Scholl, F. William	Foster, Oregon
Shanafelt, Emma	Salem, Oregon
Shotwell, Cecil L.	Los Angeles, Calif.
Taylor, Ruth H.	Sunnyside, Wash.
Tyler, Grace M.	Salem, Oregon
Waltz, Roswell S.	Salem, Oregon
Warner, Lois D.	Wenatchee, Wash.
Webb, Floyd T.	Salem, Oregon
Wilson, Gladys	Salem, Oregon
Wise, Ruth	Salem, Oregon

SOPHOMORES

Ambler, Minnie	Astoria, Oregon
Anderson, Virgil A.	Salem, Oregon
Anslow, Ellsworth	Port Orchard, Wash.
Atwood, Lucile A.	Toppenish, Wash.
Babcock, B. D.	Ewan, Wash.
Bain, Vern	Tillamook, Oregon
Barnes, Ralph	Salem, Oregon
Beal, Philip B.	Vancouver, Wash.
Beck, Freda	Milwaukie, Oregon
Bedford, Ruth S.	Salem, Oregon
Berry, E. Clifford	Spokane, Wash.
Blake, Fred O.	Salem, Oregon
Bohle, James H.	Falls City, Oregon
Bowen, Margaret	Raymond, Wash.
Brainerd, Grace	Marshfield, Oregon
Brock, Edgar R.	Oregon City, Oregon
Brown, Mildred	Granger, Wash.
Chattin, Wilma	Ashland, Oregon
Clarke, Mildred	Salem, Oregon
Collins, Truman W.	Portland, Oregon
Cook, Marguerite	Portland, Oregon
Cooper, Lillian	Pilot Rock, Oregon
Craven, Everett H.	Salem, Oregon

De Moss, Evelyn C.	San Francisco, Calif.
Dicks, Vesta	Lakeview, Oregon
Doney, Hugh A.	Salem, Oregon
Doughton, Ardys B.	Lebanon, Oregon
Drake, Harold P.	Drain, Oregon
Ellis, David C.	Salem, Oregon
Fake, Nell	Salem, Oregon
Farmer, Jamie R.	McMinnville, Oregon
Ferguson, Verne	Bremerton, Wash.
Fifield, Helen M.	Grants Pass, Oregon
Findley, Genevieve	Salem, Oregon
Flegel, Marjorie	Portland, Oregon
George, Howard W.	Wenatchee, Wash.
Gillet, Orlo M.	Tangent, Oregon
Glaeser, Alice H.	Salem, Oregon
Gleiser, Fern	Palouse, Wash.
Hardy, Helen	Salem, Oregon
Hatton, Dean	Spokane, Wash.
Holland, Maud	Green Acres, Wash.
Housley, Lola	Salem, Oregon
Howe, Florence	Brownsville, Oregon
Hunt, Mary Elizabeth	Spokane, Wash.
Huston, Francis E.	Canby, Oregon
Isham, E. Vivian	Grants Pass, Oregon
Jeffrey, Lucile B.	Chelan, Wash.
Jennison, Leon	Salem, Oregon
Kelso, Waldo	Yakima, Wash.
Kerschner, Alta	Salem, Oregon
Lamb, Dorothy D.	Chicago, Ill.
Lawson, Willard	Blanchard, Wash.
Lisle, Everett	Salem, Oregon
Legge, W. Margaret	Salem, Oregon
Montague, Audrey	Pomeroy, Wash.
Moody, John G.	Salem, Oregon
McClelland, Charles R.	Salem, Oregon
McClintock, Pauline R.	Weed, Calif.
McCracken, Esther J.	Prosser, Wash.
McInturff, Helen	Cottage Grove, Oregon
McLain, Harvey	Scio, Oregon
McNess, John A.	Salem, Oregon
Niswonger, Ida	Bend, Oregon
Notson, Edward A.	Heppner, Oregon
Parounagian, Esther B.	Salem, Oregon
Patty, William R.	Amity, Oregon
Pratt, Fay	Wallowa, Oregon
Pratt, Sadie E.	Portland, Oregon
Rahskopf, Carol	Salem, Oregon
Rehbock, Ralph H.	Sunnyside, Wash.

Richards, Harold G.	Bremerton, Wash.
Richardson, Myrtle L.	Salem, Oregon
Rickli, Pauline	Spring Garden, Calif.
Robbins, F. Danta	Salem, Oregon
Roeder, Esther	Salem, Oregon
Rosenkranz, Ruby	Colfax, Wash.
Ruby, N. Leisla	Portland, Oregon
Sackett, Vernor M.	Sheridan, Oregon
Schaefer, Ruth E.	La Grande, Oregon
Schreiber, Louise A.	Salem, Oregon
Sherwood, Paul	Salem, Oregon
Smith, Erma	Amity, Oregon
Stanford, Mabel	Cashmere, Wash.
St. Clair, Winifred	Gresham, Oregon
Stollar, Paul S.	Salem, Oregon
Strevey, Elmer	Kennewick, Wash.
Strevey, Mildred	Kennewick, Wash.
Vinson, Mrs. Alma Rhorer	Salem, Oregon
Von Eschen, Elton	Salem, Oregon
Warren, Albert W.	Nehalem, Oregon
Walker, Edith	Brownsville, Oregon
Warrell, John W.	Salem, Oregon
White, Bruce	Turner, Oregon

FRESHMEN

Alden, Rodney W.	Salem, Oregon
Allen, Stanley	Portland, Oregon
Allen, Wayne G.	Salem, Oregon
Arnold, Byron D.	Vancouver, Wash.
Arpke, Gertrude	Salem, Oregon
Ash, Viola M.	Salem, Oregon
Bailey, Jean Finley	Salem, Oregon
Barton, Raymond	Gervais, Oregon
Beissell, Ina Mae	Wenatchee, Wash.
Bingaman, F. Harold	Imbler, Oregon
Bingaman, Ivan B.	Imbler, Oregon
Bird, Ronald M.	Wenatchee, Wash.
Blenkinsop, Mabel	Salem, Oregon
Bond, Beryl E.	Salem, Oregon
Boyer, Walter	Rickreall, Oregon
Brooks, Edith N.	Medford, Oregon
Brougher, John C.	Scotts Mills, Oregon
Brown, Gretchen	Salem, Oregon
Bryan, Louise	Hood River, Oregon
Buell, Viola	Falls City, Oregon
Bullock, Lamont	Salem, Oregon
Bunch, Audred W.	Salem, Oregon
Buren, Maxine	Salem, Oregon
Cable, Marjorie	Portland, Oregon

Callow, H. Vaughn	Charleston, Wash.
Caton, Andrew C.	Olympia, Wash.
Caughlan, James C.	Spokane, Wash.
Chandler, W. Glen	Canyon City, Oregon
Cheney, Carol M.	Vader, Wash.
Christensen, Leila	Haines, Oregon
Clawson, Isabel M.	Enterprise, Oregon
Coe, Violet M.	Gresham, Oregon
Colwell, E. Irene	Grants Pass, Oregon
Cook, Mrs. Georgia Morgan	Salem, Oregon
Corbett, Frank P.	Kamiah, Idaho
Corner, Howard L.	Oakesdale, Wash.
Corner, Ivan	Salem, Oregon
Corner, Marie	Salem, Oregon
Corthell, Maurice E.	Marshfield, Oregon
Coryell, Charles W.	Riddle, Oregon
Cox, Jewell H.	Wenatchee, Wash.
Crandall, Hilda	Lebanon, Oregon
Dark, Helen M.	Moro, Oregon
Darr, Ruth	Raymond, Wash.
Davies, Mabel S.	St. Helens, Oregon
Delamarter, Frank A.	Tacoma, Wash.
De Long, Evelyn H.	Salem, Oregon
Dent, Dorsey E.	Burns, Oregon
Donnelly, Edna M.	Salem, Oregon
Dotterrer, Twyla	Ostrander, Wash.
Dow, Alice E.	McMinnville, Oregon
Epperson, Orville	Centralia, Wash.
Finley, Faye	Emmett, Idaho
Fox, Lorena M.	Brownsville, Oregon
Francisco, Ruth	Cashmere, Wash.
Fredenburg, Rosa	Coquille, Oregon
Gale, Robert D.	Turner, Oregon
Gates, Margaret	The Dalles, Oregon
Ganzans, Raymond	Lewiston, Idaho
Geyer, Lila	Wenatchee, Wash.
Geyer, Wm. Albert	Wenatchee, Wash.
Gilbert, Mary	Salem, Oregon
Gilchrist, Chas.	Gold Hill, Oregon
Ginn, Forest	Portland, Oregon
Gleiser, Thornton M.	Palouse, Wash.
Goplerud, Chester J.	Silverton, Oregon
Hendrickson, Clayton	Enterprise, Oregon
Hicks, Avery M.	Salem, Oregon
Hicks, Marshall	Woodburn, Oregon
Hill, Ruth A.	Vancouver, Wash.
Hisey, Oury	St. Helens, Oregon
Hoover, Helen R.	Portland, Oregon

Howd, Veda	Shaw, Oregon
Hutt, Martha M.	Athena, Oregon
Irvine, Athill W.	Portland, Oregon
Irwin, Emilie J.	Mead, Wash.
Jennison, Edna J.	Salem, Oregon
Johnson, Vashti	Portland, Oregon
Jones, A. Warren	Newberg, Oregon
Juve, Henrik Dahl	Enterprise, Oregon
Karr, David L.	Lewiston, Idaho
Kelso, Gordon N. Y.	Yakima, Wash.
Kidwell, Portia L.	Pilot Rock, Oregon
Kight, Edna	Prairie, Oregon
Kight, Walter L.	Prairie, Oregon
Kinch, Francis M.	Snohomish, Wash.
Klamp, Florence M.	Woodburn, Oregon
Lanphere, Hubert M.	Hoquiam, Wash.
La Raut, Kathleen	Wilbur, Oregon
Lavender, Anna	Weston, Oregon
Lawson, John M.	Spokane, Wash.
Ledbetter, Eva P.	Alicel, Oregon
Lemery, Esther E.	Gervais, Oregon
Lockwood, Donald	Portland, Oregon
Logan, Albert V.	Hermiston, Oregon
Lovell, Helen M.	Salem, Oregon
Marcy, Mildred E.	Portland, Oregon
Martin, Evelyn L.	Turner, Oregon
Mickelson, William L.	Camas, Wash.
Miller, Donald H.	Leland, Oregon
Miller, Lloyd O.	Salem, Oregon
Millie, George A.	Grandview, Wash.
Milliken, Frank	Salem, Oregon
Moore, Aster I.	San Pedro, Calif.
Morley, Elsie M.	St. Helens, Oregon
Morton, Gladys E.	Pomeroy, Wash.
Munson, M. Opal	Wenatchee, Wash.
Murdock, Bertha	Cashmere, Wash.
Myers, Eugenia Grace	Woodburn, Oregon
McClintock, Alfred J.	Weed, Calif.
McDaniel, Margaret	Portland, Oregon
McGrew, J. Fred	Idaho Falls, Idaho
Nebergall, Lois M.	Albany, Oregon
Norene, Edwin H.	Salem, Oregon
Notson, Robert C.	Heppner, Oregon
Nottage, Howard J.	Newberg, Oregon
Oberg, H. Elaine	Portland, Oregon
Oliver, George L.	Pomeroy, Wash.
Owen, Dorothy V.	Bend, Oregon
Palmer, Phyllis A.	Salem, Oregon

Park, Lillian W.	Salem, Oregon
Parkhill, Vera F.	Wenatchee, Wash.
Patton, Fred J.	Forest Grove, Oregon
Pettit, Ruth R.	Salem, Oregon
Phillips, Dorothy V.	Salem, Oregon
Phillips, Genevieve	Crawfordsville, Oregon
Pratt, Irene	Walla, Oregon
Presley, Grace L.	Salem, Oregon
Prouty, Paloma P.	Salem, Oregon
Purvine, Lora W.	Salem, Oregon
Radspinner, Fred	Aurora, Ind.
Ramsey, Bernard	Madras, Oregon
Ramsey, Lanora M.	Moro, Oregon
Ramstead, Gordon A.	Oregon City, Oregon
Rayburn, Wilma L.	Hatton, Wash.
Reed, James W.	Portland, Oregon
Regele, Harold E.	Canby, Oregon
Rentfro, Mabel W.	Salem, Oregon
Rhoten, Zeda A.	Salem, Oregon
Roberts, Eva	Cove, Oregon
Robinson, Ruth	Rickreall, Oregon
Rookstool, Alvin W.	Walla Walla, Wash.
Rumohr, Louise V.	Leavenworth, Wash.
Ryan, Albert L.	Sheridan, Oregon
Sanders, Josephine S.	North Powder, Oregon
Sargent, William B.	Emmett, Idaho
Schaefer, Margaret M.	Scio, Oregon
Seethoff, Margaret W.	Metolius, Oregon
Settem, Leon M.	Knappton, Wash.
Shafer, Wm. Earl	Salem, Oregon
Shaver, Merryl C.	Sutherlin, Oregon
Shepard, Elmer	Wenatchee, Wash.
Skeen, Roy	Powell Butte, Oregon
Sloop, Perry R.	Gaston, Oregon
Smith, Cleona	Halsey, Oregon
Smith, Luke D.	Woodburn, Oregon
Smith, Ruth	Dallas, Oregon
Socolofsky, Salome A.	Salem, Oregon
Socolofsky, Walter	Salem, Oregon
Spaulding, Mary	Salem, Oregon
Stober, Caroline E.	Portland, Oregon
Street, Harold	Salem, Oregon
Street, Mrs. Julia E.	Salem, Oregon
St. Pierre, Ella K.	Salem, Oregon
Sykes, Alice	Hood River, Oregon
Taylor, Gladys P.	Roseburg, Oregon
Tucker, Lucille I.	Salem, Oregon
Van Slyke, Harriet B.	Chelan, Wash.
Wagner, Amanda	Prosser, Wash.

Walker, Dorothy T.	Portland, Oregon
Walters, Alicia Kimball	Oso, Wash.
Waltz, Lloyd B.	Salem, Oregon
Warren, Edward J.	Nehalem, Oregon
Warren, Samuel	Nehalem, Oregon
Welch, Frances L.	Salem, Oregon
Wells, Alice Belle	Portland, Oregon
Wells, Alma I.	Independence, Oregon
Wells, Mary S.	Portland, Oregon
Williams, Veona B.	Grants Pass, Oregon
White, M. Lucille	Stayton, Oregon
Wilson, Carolyn	Salem, Oregon
Zeller, Dalton A.	Sunnyside, Wash.
Zeller, Thurston	Sunnyside, Wash.
Zeller, Waldo	Sunnyside, Wash.

SPECIALS

Aegerter, Ernest A.	Scio, Oregon
Acheson, Thomas	Salem, Oregon
Alden, Margaret M.	Salem, Oregon
Aldrich, Gertrude E.	Salem, Oregon
Arthurs, Clifford R.	Lewiston, Idaho
Baker, William R.	Hillyard, Wash.
Bates, Alfred	Salem, Oregon
Beck, George V.	Salem, Oregon
Benjamin, Mrs. Louise	Salem, Oregon
Blenkinsop, P. M.	Salem, Oregon
Brainerd, E. Irene	Marshfield, Oregon
Burch, Claude L.	Salem, Oregon
Chapman, Sam J.	Salem, Oregon
Clark, Aubrey H.	Salem, Oregon
Cook, Luther D.	Salem, Oregon
Cooper, Harvey O.	Salem, Oregon
Cooper, Mrs. Mayme	Salem, Oregon
Croisan, Isabel C.	Salem, Oregon
Derry, Elbert R.	Salem, Oregon
Derry, Mrs. E. R.	Salem, Oregon
Ferguson, Martha A.	Hood River, Oregon
Fischer, Louise	Silverton, Oregon
Forbes, Carol A.	Ontario, Oregon
Fox, William W.	Fossil, Oregon
Green, John A.	Boone, Colo.
Gunnell, Kathryn	Salem, Oregon
Hagman, Hulda	Astoria, Oregon
Hall, Sydney W.	Salem, Oregon
Hassel, David	Salem, Oregon
Hawley, Martha B.	Woodburn, Oregon
Hawthorne, Alexander	Salem, Oregon
Johnson, Helen	Portland, Oregon
Keefer, Mrs. Irene S.	Salem, Oregon

Johnson, Donald	Portland, Oregon
Marsh, Lee D.	Aurora, Oregon
Merry, Olive Belle	Scotts Mills, Oregon
Mallow, Ruth	Brownsville, Oregon
Mickey, Hale	Salem, Oregon
McKirby, Sallie J.	Drain, Oregon
Natterlund, Esther	Mt. Vernon, Wash
Payne, Oscar W.	Salem, Oregon
Pelker, Myrtel	Salem, Oregon
Putnam, Bruce	Salem, Oregon
Robins, John P.	Canby, Oregon
Ranton, Erwin	Kent, Wash.
Rayl, John W.	Oregon City, Oregon
Remington, Pauline	Salem, Oregon
Ruby, Beulah	Salem, Oregon
Satchwell, Leonard	Shedd, Oregon
Smith, Elsie	Amity, Oregon
Sneed, Esther N.	Salem, Oregon
Thompson, Dorothy C.	Salem, Oregon
Tischhauser, Lillian	Salem, Oregon
Towner, Elwood A.	Chemawa, Oregon
Tyler, Lois	Salem, Oregon
Vinson, Willis D.	Salem, Oregon
Wagner, Earl B.	Forest Grove, Oregon
Walker, Hugh	Scotts Mills, Oregon
Wells, Fern	Salem, Oregon
Yerex, Ethelyn	Sheridan, Oregon

College of Law

SENIORS

Bassett, Hope P.	Salem, Oregon
Fitch, Fred	Portland, Oregon
Kennedy, Ruby H.	Salem, Oregon
Kirk, Cleo W.	Salem, Oregon
Millie, Henry J.	Grandview, Wash.
Page, Lyle J.	Salem, Oregon

JUNIORS

Bassett, Raymond H.	Salem, Oregon
Bedingfield, J. B.	Salem, Oregon
Boatwright, Rufus E.	Turner, Oregon
Brown, T. Leland	Salem, Oregon
Burris, Paul F.	Salem, Oregon
Carson, Allan G.	Salem, Oregon
Conley, Bryan H.	Nampa, Idaho
Ellis, Clyde R.	Salem, Oregon
Fliegel, Joseph F.	Salem, Oregon
La Course, Orin A.	Salem, Oregon
Pope, Carl T.	Salem, Oregon
Probst, Dewey	Salem, Oregon

Ramsey, Bernard	Madras, Oregon
Woods, Ernest R.	Salem, Oregon

FRESHMEN

Ashurst, Edward B.	Klamath Agency, Oregon
Carson, Wallace P.	Salem, Oregon
Cook, Elmer D.	Salem, Oregon
Corbett, Frank P.	Chemawa, Oregon
Coulter, Jay D.	Amity, Oregon
Dexter, Paul L.	Salem, Oregon
Forbes, Benjamin	Salem, Oregon
Ford, Bert T.	Salem, Oregon
Ganzans, Raymond L.	Lewiston, Idaho
Hallmark, Earl B.	Salem, Oregon
Harris, Keith M.	Salem, Oregon
Jones, A. Warren	Newberg, Oregon
Kloeping, Henry H.	Salem, Oregon
Kowitz, Chris J.	Crabtree, Oregon
Kyle, Madge	Salem, Oregon
Minton, Joseph	Salem, Oregon
Ohling, Merrill D.	Salem, Oregon
Price, Wayne M.	Salem, Oregon
Thomas, Orin L.	Salem, Oregon
Tussing, Aubrey S.	Brownsville, Oregon
Vaughn, William F.	Portland, Oregon
Wapato, Paul G.	Wenatchee, Wash.
White, John F.	Salem, Oregon
White, Loren R.	Salem, Oregon
Wiggins, Hal F.	Salem, Oregon
Zeller, Waldo C.	Sunnyside, Wash.

School of Music

Abbreviations: V, Voice; P, Piano; O, Organ; H, Harmony; M-H, Musical History; P.S.M., Public School Music; SS, Sight Singing.

SENIORS

Cook, Marguerite	V, P	Portland, Ore.
Pratt, Fay	P	Walla, Ore.
Aegerter, Ernest	SS, M-H	Scio, Ore.
Alden, Margaret	M-H	Salem, Ore.
Aldrich, Gertrude	P, V, SS	Salem, Ore.
Ambler, Minnie	P	Astoria, Ore.
Arnold, Byron	P, SS, O	Vancouver, Wash.
Atwood, Lucille	H, M-H, SS	Toppenish, Wash.
Basler, Loren	V	Bremerton, Wash.
Boyer, Walter	SS	Rickreall, Ore.
Brainerd, Irene	V	Marshfield, Ore.
Brooks, Edith	SS, O, H, PSM, M-H	Medford, Ore.

Brown, Marjorie	P	Salem, Ore.
Brown, Elaine	P	Salem, Ore.
Bryan, Louise A.	PSM, P, V, SS, M-H	Hood River, Ore.
Byars, Wm. N.	V, SS	Goldendale, Wash.
Chandler, W. Glen	V	Canyon City, Ore.
Collins, Grace	P	Portland, Ore.
Colwell, Irene	V	Grants Pass, Ore.
Cook, Marguerite	P, V, SS, H, M-H	Portland, Ore.
Cox, Jewell H.	P, SS	Wenatchee, Wash.
Craven, Everett	V	Salem, Ore.
Davies, Lawrence	V, SS	St. Helens, Ore.
Dotterer, Twyla	P	Ostrander, Wash.
Emmel, Herald	V	Portland, Ore.
Faulkner, Irene	O	Salem, Ore.
Findley, Louise	P	Salem, Ore.
Finley, Faye	P, SS, H, M-H, V	Emmett, Ida.
Flegel, Marjorie	V	Portland, Ore.
Gilbert, Mary	P	Salem, Ore.
Gillette, Alpheus	V	Salem, Ore.
Hagman, Hulda	V	Astoria, Ore.
Hansen, Mrs. Andrew,	P	Salem, Ore.
Hendrickson, Clayton,	P	Enterprise, Ore.
Hicks, Avery	SS	Salem, Ore.
Hoyt, Laura	P, SS, H, M-H	Salem, Ore.
Hunt, Mary Elizabeth,	V	Spokane, Wash.
Jeffery, Lucile	V	Chelan, Wash.
Kershner, Alta	P	Salem, Ore.
Kidwell, Portia	V	Pilot Rock, Ore.
La Raut, Kathleen	P, V, SS, H, M-H	Wilbur, Ore.
Lawson, Maurice	V, SS	Blanchard, Wash.
Lawson, Willard	V	Blanchard, Wash.
Merry, Olive	P, SS, H	Scotts Mills, Ore.
Montague, Audrey	V	Pomeroy, Wash.
Morley, Elsie	P	St. Helens, Ore.
Murdock, Bertha	V	Cashmere, Wash.
Myers, Eugenia	P, V, SS, O, H, M-H	Woodburn, Ore.
McClintock, Pauline V.	V	Weed, Calif.
McGrew, J. Fred	V	Idaho Falls, Ida.
McIntire, Floyd	V, H, M-H	Salem, Ore.
McInturff, Helen	P	Cottage Grove, Ore.
McWilliams, Flora	P	Salem, Ore.
Parkhill, Vera	M-H	Wenatchee, Wash.
Payne, Edwin	SS, H, M-H	Salem, Ore.
Pratt, Fay	P, SS, O, M-H	Wallowa, Ore.
Pratt, Sadie	P, SS	Portland, Ore.
Putnam, Bruce	P	Salem, Ore.
Rahskopf, Carol	P	Salem, Ore.
Rarey, Raymond	V, SS	Tacoma, Wash.
Rice, Ruth	P, M-H, H, SS, O	Brownsville, Ore.

Roberts, Eva	V, SS, H	Cove, Ore.
Roeder, Esther	P	Salem, Ore.
Rosenkranz, Ruby	P	Colfax, Wash.
Ruby, Beulah	P, V, SS	Salem, Ore.
Sanders, Josephine	P, V, SS, M-H.....	North Powder, Ore.
Sargent, William	SS, V	Emmett, Ida.
Schreiber, Louise	P	Salem, Ore.
Seethoff, Margaret	P	Meolius, Ore.
Settem, Leon	V, SS	Knappton, Wash.
Skeen, Roy	P, V, SS	Powell Butte, Ore.
Socolofsky, Edwin D.	P, V	Salem, Ore.
Socolofsky, Salome	P, SS, M-H	Salem, Ore.
Spaulding, Fay	V	Salem, Ore.
Stanford, Mabel	P, V, O	Cashmere, Wash.
Strevey, Mildred	V	Kennewick, Wash.
Stone, Mrs. Nellie	P, H, M-H, SS	Salem, Ore.
Sykes, Alice	P	Hood River, Ore.
Van Slyke, Harriet	P	Chelan, Wash.
Wells, Alice	V	Portland, Ore.
Wells, Alma	V	Independence, Ore.
Williams, Ve Ona	V	Grants Pass, Ore.

Summary of Attendance

COLLEGE OF LIBERAL ARTS—

Post Graduates		4	
Seniors	1920 1921	53	
Juniors	1921 1922	51	
Sophomores	1922 1923	94	
Freshmen	1923 1924	184	
Specials		60	446

COLLEGE OF LAW—

Seniors		6	
Juniors		14	
Freshmen		26	46
Registered in College of Liberal Arts		8	38

SCHOOL OF MUSIC		80	
Registered in College of Liberal Arts		70	10

Total enrollment, excluding duplicates 494

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Alumni Trustees	5	Literary Societies	80
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