

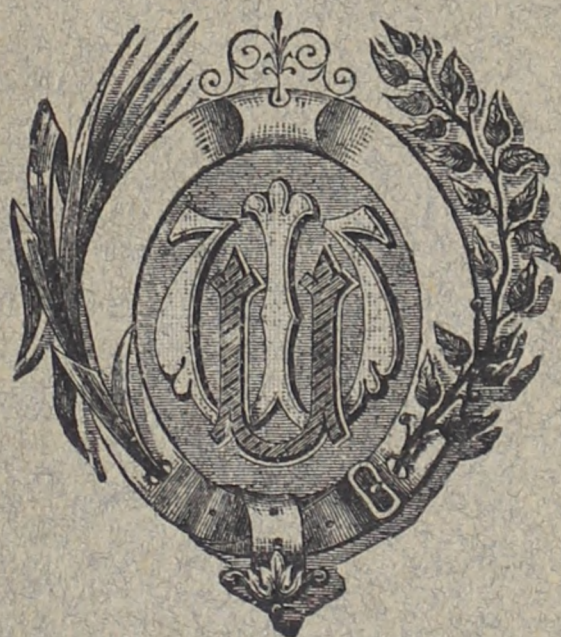
Vol. VIII

JULY 1915

No. 1

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THE  
WILLAMETTE UNIVERSITY  
BULLETIN



ANNOUNCEMENTS  
FOR 1915-1916

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SALEM, OREGON

Entered at the Postoffice, Salem, Oregon, as second class matter  
under the Act of July 16, 1894



# WILLAMETTE UNIVERSITY

*INCLUDING*

COLLEGE OF LIBERAL ARTS  
COLLEGE OF LAW  
SCHOOL OF MUSIC  
SCHOOL OF ART  
THE ACADEMY

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*BULLETIN OF INFORMATION*

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ANNOUNCEMENTS 1915-1916

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OFFICE OF  
WILLAMETTE UNIVERSITY  
SALEM, OREGON

# CALENDAR 1915

## SEPTEMBER

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

## OCTOBER

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31						

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# 1916

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## APRIL

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## MAY

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28	29	30	31			

## JUNE

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18	19	20	21	22	23	24
25	26	27	28	29	30	

# CALENDAR

## 1915

- September 13-15 Registration and Special Examinations in  
College of Liberal Arts.  
Teachers' College  
Academy.
- September 16 Instruction begins.
- November 25-26 Thanksgiving Recess.
- December 17 3:30 p. m.—Christmas Vacation begins.

## 1916

- January 4 8:00 a. m.—Instruction resumes.
- January 24-28 Examinations of First Semester.
- January 31 Registration Second Semester.
- February 10 Day of Prayer for Colleges.
- February 22 Washington's Birthday Address.
- March 17 3:30 p. m.—Spring Vacation begins.
- March 27 8:00 a. m.—Instruction resumes.
- May 5-6 May Festival, beginning May 5, 1:00 p. m.
- May 20 8:00 p. m.—Inter-Society Oratorical Contest.
- May 28 Academy Baccalaureate Sermon.
- May 29 Examinations of Second Semester begin.
- May 30 Memorial Day.
- June 2 8:00 p. m.—Academey Graduation Exercises.

### Commencement Week for College of Liberal Arts.

- June 4 Baccalaureate Sermon.  
Farewell Meeting of Christian Associations.  
8:00 p. m.—Sermon to Christian Associations.
- June 5 6:30 a. m.—Senior Breakfast.  
8:00 p. m.—President's Reception.
- June 6 Meeting of the Board of Trustees.  
Class Day.
- June 7 10:00 a. m.—Commencement Exercises.  
2:30 p. m.—Alumni Business Meeting.  
6:30 p. m.—Alumni Banquet.

## BOARD OF TRUSTEES

### Officers

T. S. McDaniel, President . . . . .	304 Failing Building, Portland
B. L. Steeves, Vice President . . . . .	Salem
I. H. VanWinkle, Secretary . . . . .	Salem
A. N. Bush, Treasurer . . . . .	Salem

### Elected by the Board

	Term expires.
W. L. Airhart, Goldendale, Washington . . . . .	1916
C. C. Anderson, 145 East Idaho Street, Boise, Idaho . . . . .	1916
E. T. Barnes, Salem . . . . .	1916
G. F. Billings, Ashland . . . . .	1916
J. H. Booth, Roseburg . . . . .	1916
W. W. Brown, Fife . . . . .	1916
James Campbell, Medford . . . . .	1916
George L. Cleaver, La Grande . . . . .	1916
E. S. Collins, Ostrander, Washington . . . . .	1916
Bishop R. J. Cooke, Portland . . . . .	1916
J. W. Day, 874 Kerby Street, Portland . . . . .	1916
M. C. Findley, Salem . . . . .	1916
A. F. Flegel, 402 Failing Building, Portland . . . . .	1916
R. J. Ginn, Moro . . . . .	1916
J. L. Hartman, 233 East Sixtieth Street, Portland . . . . .	1916
R. J. Hendricks, Salem . . . . .	1916
Thomas B. Kay, Salem . . . . .	1916
A. A. Lee, Salem . . . . .	1916
James Moore, Salem . . . . .	1916
B. Lee Paget, Failing Building, Portland . . . . .	1916
H. J. VonFossen, Ashland . . . . .	1916
Paul B. Wallace, Salem . . . . .	1916
P. J. Brix, Astoria . . . . .	1916
C. P. Bishop, Salem . . . . .	1916
A. M. Smith, Yeon Building, Portland . . . . .	1916
G. F. Johnson, Selling Building, Portland . . . . .	1917
C. B. Moores, 281 East Fifteenth Street North, Portland . . . . .	1917
T. S. McDaniel, Failing Building, Portland . . . . .	1918
B. L. Steeves, Salem . . . . .	1918
Carl G. Doney, Salem . . . . .	Ex-officio

**Elected by the Alumni**

Lloyd T. Reynolds, A.B. '94, R. F. D. No. 9, Salem.....	1916
Burgess F. Ford, A.B. '05, Salem.....	1917
I. H. VanWinkle, A.B. '98, LL.B. '01, Salem.....	1918

**Elected by the Oregon Conference**

R. N. Avison, Salem .....	1915
George F. Hopkins, Portland .....	1915
J. W. McDougall, Portland .....	1915
H. S. Wilkinson, Eugene .....	1915
R. A. Booth, Eugene .....	1916
Hiram Gould, Newberg .....	1916
John Parsons, Portland .....	1916
Walton Skipworth, Grants Pass .....	1917
D. H. Leech, Albany .....	1917
A. R. Maclean, Portland .....	1917
J. T. Abbett, Eugene .....	1917
W. H. Odell, Portland .....	Emeritus

**Elected by the Columbia River Conference**

F. B. Short, Spokane, Washington .....	1915
Paul Little, Waitsburg, Washington .....	1916
W. H. Selleck, Portland .....	1917

**Elected by the Idaho Conference**

F. D. McCully, Joseph .....	1915
A. E. Eaton, Union .....	1916
C. H. Pakenham, Boise, Idaho .....	1917

**Elected by the Pacific German Conference**

H. F. Lange, Walla Walla, Washington .....	1915
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**Elected by the Danish-Norwegian Conference**

C. J. Larsen, Portland .....	1915
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**COMMITTEES OF THE BOARD OF TRUSTEES**

of Willamette University, appointed at the half yearly meeting.

**Nominations**

A. M. Smith, Walton Skipworth, L. T. Reynolds,  
R. J. Hendricks, E. S. Collins

**Faculty**

R. A. Booth, B. L. Steeves, A. J. Weigle, Carl G. Doney,  
W. H. Selleck, J. W. McDougall, Bishop R. J. Cooke,  
A. M. Smith, C. P. Bishop, H. S. Wilkinson,  
A. A. Lee

**Finance**

T. S. McDaniel, G. F. Johnson, Carl G. Doney, P. J. Brix,  
C. P. Bishop, C. B. Moores, George L. Cleaver,  
D. H. Leech

**Auditing**

A. A. Lee, B. L. Steeves, Paul Wallace

**Affiliated Colleges**

Hiram Gould, B. L. Steeves, I. H. VanWinkle, R. A. Booth,  
C. H. Pakenham, M. C. Findley, G. F. Billings

**Buildings, Walks and Grounds**

C. P. Bishop, R. A. Booth, C. C. Anderson, A. E. Eaton,  
J. H. Booth, J. L. Hartman, F. D. McCully, W. W. Brown

**Degrees**

J. W. McDougall, R. A. Booth, J. T. Abbett, A. F. Flegel,  
G. F. Hopkins, Walton Skipworth, Walter R. Airheart

**Executive**

B. L. Steeves, I. H. VanWinkle, A. A. Lee, T. B. Kay,  
E. T. Barnes, Carl G. Doney

**Athletics**

T. B. Kay, B. F. Ford, G. F. Hopkins, A. F. Flegel,  
B. Lee Paget, F. B. Short

**Religious**

J. W. Day, R. N. Avison, James Moore, A. R. Maclean,  
C. J. Larsen

**Library**

Paul Wallace, B. L. Steeves, J. W. Day, James Moore,  
James Campbell, R. J. Ginn, John Parsons,  
Paul Little, E. T. Barnes

**By-Laws**

A. F. Flegel, A. M. Smith, Carl G. Doney, T. S. McDaniel,  
I. H. VanWinkle

**Endowment Committee**

T. S. McDaniel, Portland	1915
A. M. Smith, Portland	1916
G. F. Johnson, Portland	1917

**ALUMNI OFFICERS FOR 1915-16.**

N. M. Newport, Lebanon	President
Mrs. E. O'Donnell, Milwaukie	First Vice President
James T. Matthews, Salem	Second Vice President
Lettie Gregson, Salem	Third Vice President
Errol C. Gilkey, Salem	Secretary
Mrs. Floyd Utter, Salem	Treasurer
Mrs. J. O. Goltra, Salem; A. A. Schramm, Salem	Executive Committee

## Official Visitors of the State of Oregon to the University

(University Charter, Section 5)

Hon. James Withycombe . . . . .	Governor of Oregon
Hon. F. A. Moore . . . . .	Chief Justice Supreme Court
Hon. Robert Eakin . . . . .	Justice Supreme Court
Hon. George H. Burnett . . . . .	Justice Supreme Court
Hon. H. J. Bean . . . . .	Justice Supreme Court
Hon. Thomas McBride . . . . .	Justice Supreme Court
Hon. Henry L. Benson . . . . .	Justice Supreme Court
Hon. Lawrence T. Harris . . . . .	Justice Supreme Court
Hon. W. Lair Thompson . . . . .	President of the Senate
Hon. Ben Selling . . . . .	Speaker House of Representatives

### Conference Visitors

#### Oregon Conference

W. S. Gordon . . . . .	Astoria
J. C. Rollins . . . . .	Corvallis
R. E. Smith . . . . .	Portland

#### Columbia River Conference

W. B. Young . . . . .	Hood River
R. D. Snyder . . . . .	Ellensburg, Washington
Charles MacCaughey . . . . .	Spokane, Washington

**FACULTY**

(For the year beginning September, 1915)

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

Ohio State University  
Ohio Wesleyan University  
Harvard University

President of the University 1915—

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**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—

Professor of History 1915—

JAMES T. MATTHEWS, A. M.,

Willamette University  
University of California  
Professor of Mathematics 1893—

FLORIAN VON ESCHEN, Ph. M.,

Simpson College  
University of Illinois  
University of Chicago  
Washington University  
Professor of Physics and Chemistry 1908—

M. E. PECK, A. M.,

Cornell College  
Research work in Central America three years  
Professor of Biology 1908—

WALLACE MAC MURRAY, A. M.,

University of Minnesota  
Professor of English Language 1914—

.....\*  
Director of Physical Education

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\*To be supplied.

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—

JUNIA L. TODD, A. B.,

Simpson College  
New England Conservatory of Music  
Dean of Women 1914—

JOHN O. HALL, Ph. D.,

University of Denver  
University of Minnesota  
Columbia University  
Professor of Social Science 1915—

ROBERT E. STAUFFER, A. M.,

Mt. Union College  
Harvard University  
University of Chicago  
Professor of English Literature 1915—

GUSTAV EBSEN, A. M.,

Universities of Berlin, Paris and Madrid  
Denmark State University  
Professor of Modern Languages 1915—

HELEN MILLER SENN, A. B., B. O.,

University of Michigan  
National Conservatory of Dramatic Art and Oratory  
Boston College of Expression  
Professor of Public Speaking 1915—

.....\*

Professor of Ancient Languages

.....\*

Director of School of Music and Professor of Pianoforte Music

.....\*

Instructor in Voice

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\*To be supplied.

.....\*

Instructor in Pianoforte and Pipe Organ

.....\*

Instructor in Violin

MARGARET GILL,

Graduated from Art Department, Willamette University  
 Studied in New York City at Cooper Union, Pratt Institute,  
 and Art Students' League  
 Pupil of Kenneth Hays Miller and Rhoda Holmes Nichols  
 Instructor in Fine Arts 1913—

ALICE H. DODD,

Three years research work in Egypt, India, Palestine,  
 Greece, and Italy  
 Instructor in Art History 1915—

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COLLEGE OF LAW

I. H. VAN WINKLE, A. B., LL. B., Dean,  
 Willamette University  
 Instructor in Constitutional and International Law  
 Judge of Moot Court

A. A. HALL, Ph. B., LL. B.,  
 Syracuse University  
 Willamette University  
 Professor of Law and Secretary of the Law Faculty

CLAIR M. INMAN, LL. B.,  
 Willamette University  
 Instructor in Code and Practice Work

WALTER E. KEYES, LL. B.,  
 George Washington University  
 Instructor in Criminal Law and Criminal Procedure

ROY F. SHIELDS, LL. B.,  
 Willamette University  
 Instructor in Evidence and Equity

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\*To be supplied.

GUY O. SMITH, LL. B.,  
 Willamette University  
 Instructor in Partnership and Corporation Law

GEO. G. BINGHAM, LL. B.,  
 University of Michigan  
 Instructor in Pleading and Probate Law

DONALD W. MILES, LL. B.,  
 Willamette University  
 Instructor in Real Property

HAROLD D. ROBERTS, A. B., LL. B.,  
 Colorado College  
 Willamette University  
 Instructor in Bailments, Carriers and Torts

ERNEST BLUE, LL. B.,  
 Willamette University  
 Instructor in Real Property

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**THE ACADEMY.**

BURGESS F. FORD, A. B.,  
 University of Oregon  
 Willamette University  
 Northwestern University  
 Principal and Instructor in History

MARY E. REYNOLDS, B. S.,  
 Willamette University  
 Instructor in Mathematics.

M. GERTRUDE JONES, A. B.,  
 Hedding College  
 University of California  
 Instructor in Latin.

GRACE E. THOMPSON, A. B.,  
 Willamette University  
 Instructor in Science

MARY L. CONE, A. B.,  
 Willamette University  
 Instructor in English

**OFFICERS OF ADMINISTRATION**

CARL G. DONEY, LL. D.,  
President of the University

GEORGE H. ALDEN, Ph. D.,  
Dean of the College of Liberal Arts

I. H. VAN WINKLE, A. B.,  
Dean of the College of Law

JUNIA L. TODD, A. B.,  
Dean of Women.

.....\*  
Director of the School of Music

BURGESS F. FORD, A. B.,  
Principal of the Academy

FLORIAN VON ESCHEN, Ph. M.,  
Secretary of the Liberal Arts Faculty

A. A. HALL, Ph. B.,  
Secretary of the Law Faculty

JAMES LISLE, Ph. D.,  
Curator of the Museum

.....\*  
Athletic Director

.....\*  
Librarian

EDITH BENEDICT  
Registrar

C. C. CLARK  
Superintendent of Grounds and Buildings

\*To be supplied.

## GENERAL INFORMATION

### HISTORICAL

The beginning of what is now Willamette University dates back to the year 1844. Nevertheless the founding of the present institution was not an instantaneous achievement, but rather the grand result of many preceding events.

These events came along in three main streams.

First there was the establishment of Jason Lee's Mission School for Indians in 1834, in a big log cabin just ten miles below the present city of Salem. Next was that historical centennial service on the ship *Lausanne* in 1839, in which Jason Lee and his fifty friends sailing to Oregon subscribed \$650 toward the founding of a school, in the new land, for white children. The third stream of events began in 1842 when very definite steps were taken to start a school for white children.

By 1844 everything was ready—money, a board of trustees, a name for the school—Oregon Institute—a site purchased and a building begun.

Now two years before this Jason Lee's Mission School for Indians was moved to what is now the campus of the University and occupied a fine frame building near the present site of our gymnasium. In 1844 the Mission school was pronounced a failure and the property was offered for sale. Land and building were so desirable that the trustees of the Oregon Institute sold their property and purchased this, and, everything being in readiness, August 16, the Oregon Institute was formally opened, with about twenty pupils.

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

In 1853 by act of the Legislative Assembly of the Territory of Oregon Willamette University was established with the Oregon Institute as a preparatory school. The first class from the college of the new University was graduated in 1859.

Among the recent developments at Willamette University are the following: the erection of Science Hall, 1905, the first educational building put on the campus in forty years; the erection of the School of Theology, 1906; the placing of the

building for the School of Music, 1907; the completion of Mr. Eaton's gift, Eaton Hall, 1909; the announcement that the Endowment Fund had reached \$500,000, 1913.

### WILLAMETTE'S HONOR LIST.

Willamette has been richly honored in the success and high positions attained by her former students.

Among the thousands of former students and over a thousand graduates from her different departments are numbered preachers, missionaries, teachers, professors, judges of County Courts, of Superior Courts, of Circuit Courts, of Supreme Courts, of 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 House of Representatives, and scores of other prominent and successful citizens.

### LOCATION

The location of Willamette University is ideal. Salem is the capital city of Oregon, with 18,000 inhabitants. It is on the main line of the Southern Pacific railroad, and also on the Oregon Electric, fifty miles south of Portland, Oregon, and is easily reached. The city is rich in historic associations, filled with good homes, beautiful in landscape, made up of intelligent citizens, and has a good moral and religious atmosphere.

The legislature, the higher courts, the public libraries, the numerous resident officials of county and state, the eminent traveling lecturers and musicians, the state institutions, give students many rich opportunities.

Salem is pre-eminently a city of schools. Counting Willamette University as one, there are ten schools, academies and colleges within the boundaries of Salem and near its borders.

The University is located on high ground near the center of the city, convenient to postoffice and depot and just across the street from the Capitol. The location is beautiful and conducive to refinement and culture.

### BUILDINGS

Eaton Hall, the new College of Liberal Arts Building, is one of the most beautiful public buildings in Salem. It is built of

red pressed brick and gray stone. The arrangement of the interior and the method of heating are thoroughly modern. It is one of the finest educational buildings in Oregon.

Waller Hall is a large brick and stone structure, five stories high. It contains about thirty rooms, used for chapel, laboratories, recitations, and by the literary societies and Christian associations.

The Academy Building is a three-story brick and stone building with ample accommodations for the Academy classes.

The Music Building is well arranged for conducting the Department of Music, and meets the needs of the University in this respect.

The Ladies' Hall is a commodious building of four stories, with present accommodations for forty women. It is comfortably furnished throughout and affords a congenial home.

The Gymnasium has been enlarged and remodeled so as to be fully adapted to the requirements of physical training and athletics. Several hundred dollars have been expended in installing a furnace, dressing rooms, lockers, and shower baths for the benefit of the young women.

Willamette Athletic Field is one of the best to be found. It is well fenced, contiguous to the Gymnasium, has a quarter-mile cinder running track, a fine baseball diamond and football field, and large grandstands, two cement tennis courts and three dirt courts. It is complete in every way.

### **KIMBALL COLLEGE OF THEOLOGY**

This is a co-operating school pleasantly located on the Willamette campus. The theological library and lectures are always open to Willamette students. This is of particular advantage to any who are considering entering the ministry.

### **GENERAL REGULATIONS**

The University aims to maintain a high standard of conduct for the good of all its students.

In the internal management of the affairs of the institution appeal is always to the reason and conscience of all concerned. The students are recognized as having moral sense and ideas of propriety. Principles of honor are inculcated. Christian courtesy is encouraged. The regulations are such as everywhere govern the conduct of ladies and gentlemen of high

ideals. The atmosphere of Willamette University is not congenial to any other class of students.

Matriculation presupposes a willingness to conform to the rules and usages of the University.

### STUDENT ORGANIZATIONS

**The Student Body** is the organization of the students in the University. This organization, under the supervision of the President and Faculty, has control of general student affairs, such as athletics, the business management of *The Collegian*, inter-collegiate debates, and oratorical contests. The Student Body fee of \$2.50 per semester, payable at the time of registration, constitutes a fund for the administration of these various activities.

**The Young Men's and Young Women's Christian Associations** are strong organizations and do effective work. They give special attention to new students, meeting them at the trains, helping them to locate, and making every effort to have them feel at home in Salem.

**The Girls' Willamette Club** exists for the promotion of worthy standards of conduct in all college activities, athletic, literary and social, and the commemoration of Jason Lee.

**The Oratorical Association**, in connection with the Inter-Collegiate Association, conducts the local oratorical contests.

**The Student Volunteer Band** is an association of young people of the College who plan for service in the foreign field. This society sent four delegates to the convention in Kansas City, January, 1914, three students and one professor.

**The Teutonia Verein** is a club of students seeking ease and fluency in German conversation through informal social intercourse.

**The Willamette Institute of Scientific Research** is an organization for both students and alumni. Although a new organization it has already greatly stimulated scientific study along original research lines. The eligibility requirements for membership are so high that only the more advanced students of science can gain entrance, and it is considered a high honor to become a member.

**The Literary Societies**, four for the college, two for the young women, the *Adelante* and *Philodosian*; two for the young men, the *Websterian* and the *Philodorian*; and two for the Academy, the *Adelphian* for the girls and the *Criterion* for the boys,

afford opportunity for such work as is usually undertaken by such organizations. They have pleasant and well furnished halls.

**The Glee Club**, composed of a limited number of young men selected by the Director of the School of Music, gives concerts in Salem and makes annual tours.

**The Ladies' Musical Club** is composed of young women with fair vocal talent, who appear in recital and in different programs in connection with the University.

The clubs, together with the large chorus choir under the direction of the Director of the School of Music, constitute the **Choral Society**, which appears annually in concert.

### PUBLICATIONS

**The University Bulletin** is issued quarterly and furnishes information concerning the College, its activities and development. Extra numbers are published from time to time.

**The Collegian** is the college paper published weekly. The Editor and Business Manager are elected by the Student Body. Subscription to **The Collegian** is included in the Student Body fee.

**The Wallulah**, published by the Junior Class, presents the various phases of college life from the student's point of view.

**The Hand Book** of the Christian associations is published annually and contains a miscellaneous body of useful information concerning college organizations and activities.

### OPPORTUNITIES FOR SELF HELP

Salem people are loyal in every way to the University. Young men and young women who are desirous of finding places where they may earn all or a part of their living expenses find many and various methods of earning money. Some young women find comfortable homes with families who expect a reasonable service in the domestic affairs of the home in return.

There is a limited amount of labor for students about the buildings and grounds, and the faculty cheerfully help to secure places where students may earn money. A good many Salem business men have agreed to give students the first chance whenever they need help for work that students can do. Those

who are unable to secure funds enough in advance for a year's expenses need not be deterred from beginning the year.

Young men or young women desirous of working their way, may communicate with Principal Burgess F. Ford, Willamette University, Salem, Oregon.

## LOANS AND SCHOLARSHIPS

### Student Aid

Every means is taken to assist worthy students to secure an education. It is realized by the President and the faculty that some of the best men and women we have are those who have worked their way through schools and colleges, and have thus put themselves in a position to be more useful. At our own University many of the boys and girls are working their way, and these rank among the best in the University.

### Board of Education

One source of student aid in our school is the fund held by the Board of Education of the Methodist Episcopal Church. This fund is loaned to worthy Methodist boys and girls, upon such conditions that the loans are not at all burdensome.

### Booth Fund

In addition to that which has been mentioned above, Hon. R. A. Booth, of Eugene, Oregon, placed in the hands of a special trustee \$1,000 to be loaned to properly recommended students. This fund has accomplished great good, as several of our students would have been compelled to leave the University had it not been for the help secured from this fund.

### The Home Scholarships

The Oregon Children's Aid Society has made Willamette University trustee to handle a fund of approximately \$8,000, the interest of 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 succeed in maintaining a standard of scholarship that is above the average. These scholarships amount to \$100 each.

### LAUSANNE HALL

(Named for the ship which brought Missionaries to Oregon)

This is a home-like and pleasant dormitory for young women. Applications for rooms should be made early, as they are considered in the order in which they are received, a deposit of \$5.00 being required for the reservation of a room. This deposit may be applied on the last quarter's board.

Expenses at Lausanne Hall—Room, board, heat and light, per week, \$4.50 to \$5.00. Payment of \$40.00 on account of board and room must be made at the beginning of each semester, and the remainder at the middle of the semester. No reduction is made for an absence of less than a week, nor for absence the first or last week of the semester.

### BOARDING CLUBS

A co-operative club of thirty young men have succeeded in securing satisfactory board at \$3.00 per week. Some young men room in the Chapel Building on the fourth floor at moderate rates. Other co-operative boarding clubs are running at a varying degree of expenses.

### LABORATORIES AND MUSEUM

It is gratifying to note the progress Willamette University has made in the last few years in fitting up its laboratories.

The biological laboratory is supplied with gas, electricity, good tables and sinks, dissecting microscopes, compound microscopes, microtome, and other articles ordinarily used in microscopic and histological work.

In the department of physics our laboratory is well equipped with working apparatus for the use of students in a strong course extending over more than three years of continuous work. The idea of practical experiments in engineering is introduced in the preparatory course and continued throughout the work; such, for instance, as strength of materials, elasticity of bending and torsion, coefficient of expansion, moment of inertia, etc. Besides the ordinary apparatus in electricity the laboratory is equipped with complete apparatus for X-ray work and wireless telegraphy, as well as with high-grade instruments for accurate quantitative measurements in both electricity, mechanics, light, sound and heat; thus opening to the student

special fields of investigation beyond the three years of fundamental work. It is the purpose of the department to have the student lay a thorough foundation in fundamental principles, and to this end the courses are arranged to cover the ground, as nearly as conditions will permit, of the freshmen and sophomore years as offered by our leading universities.

In Chemistry the laboratory equipment is ample for all the work of college grade commonly offered. The laboratory has been changed to the second floor of the old College Building, occupying the entire south half of the building. The laboratory is arranged with private desks and lockers, set of reagents and apparatus, gas burners, etc., for each student; also a very large supply of chemicals for the sidetable, high-grade balance for delicate quantitative analysis, etc. We have also installed a new assay outfit and are in a position to give a thorough course in assaying. Additions are being made from time to time in order to keep abreast with the general development of the science.

Several high-grade instruments have been secured for the surveying department, including the Y-level and engineers' transit with solar attachment, etc.

The department of geology has arranged a collection of fossils, rocks and minerals, consisting of about one thousand specimens, for use in the study of geology and mineralogy. The professor of geology would like to correspond with any persons having any specimens of rocks or minerals which they would be willing to add to this collection.

### Museum

A good collection of birds and animals from Central America, many interesting Indian relics, and numerous specimens for the herbarium have been added to the valuable collection in the museum.

### LIBRARIES

About 90,000 volumes are available to students in the following libraries: The University Library, containing over 11,000 volumes; the library of the Kimball School of Theology, containing 3,000 volumes; the State Library, containing 50,000 volumes, and the collection of the State Library Commission amounting to about 15,000, both adjoining the campus to the north. The new Carnegie Library building, adjoining the campus to the west, contains 10,000 volumes.

### 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 a course of study outlined by the head of the department in which the major is taken, in residence, or they must present evidence of having done post-graduate work equivalent to such course.

4. Candidates must select a subject for a thesis approved by the head of the same department not later than January first 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 May 15th. 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 fees are the regular tuition and incidental fees of the College.

### CHRISTIAN LIFE

The University is devoted to Christian culture, but is not sectarian. Devotional exercises are observed each school day in the Chapel. The Salem churches take especial interest in students, both in the regular services and in the Sunday Schools, and young people's organizations. Students attend the church of their choice.

The application of Christian principles and ideals to the great social problems of the day is the subject of special study and it is the aim to inspire the students to come into close touch with present day social conditions and become factors in the solution of the problems presented, not only by equipping them for the work of the Church in the Sunday School and other organizations, but also by qualifying them to bring about a closer relationship between the Church and modern life. To this end it is well that religion, the Bible, Christianity, service, human interests, should be brought into prominence not in

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separate, isolated aspects, but in relation to history, literature, philosophy, social science, and all the departments of study, as the vital, informing spirit of all.

### 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 15 hours in education shall be recognized." It also meets the requirement for certification in Oregon, Washington and Idaho.

The Academy has been made a distinct organization of the University. The Board of Trustees at a recent meeting ordered that it should be thoroughly reorganized and standardized according to the requirements for Standard High Schools in the State of Oregon. One of the University buildings has been given over for this purpose, and an efficient corps of teachers engaged.

## ADMINISTRATION

### COLLEGE OF LIBERAL ARTS

#### TERMS OF ADMISSION

A testimonial of good character is required of every student matriculating in Willamette University.

Every new student should bring a certificate of scholarship. This certificate should state: (1) Each study pursued; (2) the text-book used; (3) the number of weeks devoted to the text-book and the number of recitations each week; (4) the length of the recitation period; (5) the portion of the text-book covered by the recitation; (6) the grade which the student has secured in each study; (7) the name of the school at which the studies were pursued; (8) the name of the teacher under whom the work was done.

It is very important that students register promptly upon the opening day of the semester, and every student is expected to be in attendance at the first recitation of the semester.

#### REQUIREMENTS FOR ENTRANCE

Willamette University affords special advantages in the articulation of the courses in college with those of secondary schools, in the fact that it makes only such requirements as enable a student to connect the courses of the secondary school with college courses, and in the fact that his work in college may be so adjusted as to enable a student to take sub-freshman work in the Oregon Institute in order to attain prerequisites to the study of such college subjects as he desires to pursue.

Of the fifteen (15) units required for unconditioned admission to the Freshman class at least three must be in English as a basis of college work in English and as the working instrument not only of college life, but of all life; two should be in one foreign language\* as each year of work in college in a foreign language is the equivalent of two years' work in the secondary school; two should be in mathematics to qualify the student for college work in mathematics; one in natural science and one in social science (including history).

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\*Students preparing for the University are strongly urged to take at least two years of Latin, which is definitely required for the Language and Literature Group. Two years additional foreign language or the equivalent must be taken in College.

The remaining units may be selected from the usual high school subjects, not more than four in vocational subjects being allowed and these only when they are of a grade equal to that of the other subjects.

"A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work."

Those desiring admission by certificate should secure blanks to be filled out by the proper authorities of the schools from which they come and filed with the Registrar before the opening of the year.

Students entering on certificate are considered on trial until they give satisfactory evidence of ability to carry the work which they undertake.

### **COLLEGE CREDIT FOR EXTRA ENTRANCE SUBJECTS**

Students entering from high-grade preparatory schools with credits in excess of the requirements for admission and desiring to have these counted toward the 124 semester hours required for graduation must give evidence of having done work of college grade in the subjects either by successfully continuing them in college or by passing examinations in the subjects covered by such credits before they may be counted. Advanced credits may be so earned in such subjects as German, French, Greek, Higher Algebra, etc.

Candidates for advanced standing must give evidence of fitness, either by examination or by credentials from another institution.

### **GRADUATION**

The completion of 120 semester hours, exclusive of physical training, above the Academy courses, with all entrance requirements satisfied, is required for graduation from any course.

A semester hour is one recitation period (one hour in length) per week for one semester.

Four semester hours of physical training will be required of all students.

### 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.
<b>Letters.</b>	<b>Social Sciences.</b>	<b>Natural Sciences.</b>
English Literature	Sociology	Physics
American Literature	Economics	Chemistry
Literary Forms and Criticism	History	Geology
Public Speaking	Political Science	Botany
Latin	Philosophy	Zoology
Greek	Psychology	Physiology
German	Education	Mathematics
French	Ethics	Astronomy
Spanish	Logic	Ornithology
	Religion	Mineralogy

For graduation from the College of Liberal Arts the requirements are the satisfactory completion of

1. Six hours of English.
2. Two years of foreign language. This becomes three years for any who have offered less than two units of foreign language for entrance. This requirement may be counted in requirement 3 or 4.
3. Fifty hours additional in the group of one's choice, including a major of eighteen to twenty-four hours in one department.
4. Twenty-five hours additional in each of the other two groups.
5. Sufficient free electives to make a total of at least one hundred and twenty semester hours exclusive of physical education.

About half one's hours should be taken in the group of his choice and about one-fourth in each of the other groups, the normal work of a semester being fifteen or sixteen hours, in addition to physical education.

A student's studies are to be selected with the advice of the head of the department in which his major is taken.

The choice of a major in some one department secures concentration and continuity in a field of specialization while the selection of further subjects in the group of one's major to the extent of fifty hours gives familiarity with subjects contributory to the major. The selection of twenty-five hours in each of the other groups brings the student into contact with the main divisions of modern study, thereby securing breadth of culture.

### TIME REQUIRED

The length of time necessary for the accomplishment of this work by an individual student varies according to the credits presented for advanced standing, the number of hours completed each semester and the quality of work done in each course. The normal 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.

### FOUNDATIONS FOR THE PROFESSIONS

The completion of a course leading to the Bachelor of Arts degree gives one intending to enter a profession a great advantage not only in special preparation, as requirements for admission to the best professional schools indicate, but also in that it enables him to pursue methods in his professional study which make possible greater efficiency. Further, by making a major in the line of his chosen profession he may save time, in certain cases a year, in the professional school.

**Medicine.** Preparation for medicine may be secured through a major in Biology or in Chemistry or in both.

**Law.** Salem offers unusual advantages to the student intending to enter this profession. Here are the Courts, the State Law Library, the Willamette College of Law, etc. In the College of Liberal Arts he may make a major in Social and Political Science and give special attention to History, English and Forensics.

**Theology.** The courses in Greek, Bible, Psychology, Philosophy, History of Religion and Missions, Psychology of Religion, Philosophy of Religion, and Social Science, which latter is given increasing recognition in theological schools, are especially helpful to those preparing for the ministry.

### SPECIAL STUDENTS

Willamette University, having been built up on the model of the eastern college, though it has broadened its courses, continues to cultivate the humanities with zealous care. In keeping with this ideal it recognizes the importance of affording those young people preparing for the fields of public service, Christian work, journalism, engineering, and business administration, who do not pursue a course in liberal arts, the opportunity of laying foundations for these various fields of activity in connection with the pursuit of non-technical studies that serve to develop a general education and cultivate the thinking powers of the student.

**Public Service, Social or Political, and Business Administration** may be prepared for by a study of Economics, Finance, Taxation, Transportation, Sociology, Political Science, and certain legal subjects.

**Christian Work** may be prepared for by a study of Biblical Science, History of Religions, Philosophy of Religion, Evidences of Christianity, etc.

**Journalism.** No technical course in Journalism is offered, yet a liberal foundation may be laid in the study of English, English Literature, Psychology, Logic, Ethics, Sociology, Political Science, and certain subjects in law and theology.

**Engineering.** Algebra, Geometry, Trigonometry, Analytics, Calculus, Physics, Chemistry, etc., are fundamental to the broader achievement in this field.

**Applicants for Particular Studies** who are indifferent to the degree will be admitted, so far as they are qualified, to such subjects as they may choose; provided that every student must take at least ten hours work in the University unless specially excused by the faculty. If such students should subsequently desire to become candidates for the degree they will receive credit for all work done. Students of this class cannot change their relation to that of candidates for the degree except by examination upon pre-supposed work, including the requirements for admission.

The University registration fee of \$2.00 each semester is required of special students.

### STANDING

The relative rank 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 ranked in four groups in the order of merit. The first group includes those whose standing is excellent, marked "E," and should not include more than 10 per cent of the entire class. The second group includes those whose standing is satisfactory, marked "S," and should not include more than 50 per cent of the entire class. The third group includes those whose standing is passing, marked "P." The fourth group includes those whose standing is below passing, marked "F."

A report of the standing of each student is sent to the parent or guardian by the Registrar, at the close of each semester.

### 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 or any society 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.

## DESCRIPTION OF COURSES

### GROUP I—Letters

#### ENGLISH LITERATURE

1 and 2. **History of English Literature.** Especial study will be given to the great movements and schools in the development of English Literature. Recitations, occasional lectures, and the reading of several masterpieces. Two hours throughout the year. This course or its equivalent is pre-requisite to all other courses in this department.

3. **Old English.** Two credits. Open to Sophomores, Juniors, and Seniors. A study of the language, and reading of representative selections of prose and poetry. Lectures on the history of the English Language. First semester.

4. **Introduction to Middle English and Literature.** Two credits. Open to those who have taken Course 7. An outline of Middle English Grammar; reading of selected texts. A critical study of Piers the Plowman. Second semester.

5. **Development of the Drama to the Time of Shakespeare.** A study of Greek drama with special attention to the works of Sophocles, Aeschylus, and Euripides; Latin drama with special attention to Seneca; the mystery, miracle, and morality plays; representative plays of Lyly, Greene, Peele, and Marlowe. Two hours, first semester.

6. **Shakespeare.** A careful study of eight plays. Special attention will be given to Shakespeare's technique of play-making. Two hours, second semester.

7. **Nineteenth Century Prose.** Carlyle, Ruskin, and Arnold. The political, social and religious movements of the period will be studied in connection with the works of these authors. Three hours, first semester.

8. **Early Nineteenth Century Poetry.** Brief consideration will be given to eighteenth century literary theories, followed by a detailed study of the romantic movement in European literature as a revolt against classicism. The poetry of Wordsworth, Coleridge, Byron, Shelley, and Keats will be given intensive study. Three hours, second semester.

9 and 10. **Tennyson and Browning.** Lectures, class discussion and a considerable amount of reading. Two hours throughout the year. It is advised by the department that this course be preceded by English History and English 6.

11 and 12. **The Teaching of English in Secondary Schools.** Open only to Seniors. A careful study of Secondary School English; value of texts; teaching of composition; the essay; the novel; poetry. One hour, throughout the year.

13 and 14. **American Literature.** A study of American Literature from the viewpoint of American ideals and the relation of American to English Literature. Special study of the works of Cooper, Hawthorne, Irving, Emerson, Thoreau, Lowell, Longfellow, Poe, Holmes, Whitman, Lanier. Open to Juniors and Seniors. Two hours, throughout the year.

## LITERARY FORMS AND CRITICISM

### Requirements of the Department

For a Minor, twelve credits, including Courses 3 and 4, in addition to Courses 1 and 2.

For a Major, eighteen credits, including Courses 3 and 4, in addition to Courses 1 and 2.

1 and 2. **Constructive English.** Six credits (three hours per week). Required of Freshmen. Practical training in writing; study of the principles of structure; analysis of specimens of good prose. Required readings, short themes, and fortnightly essays.

3 and 4. **Advanced Rhetoric.** Four credits (two hours per week). Open to those who have completed Courses 1 and 2. Structure and Style, theoretically and practically considered; the oral presentation of topics. In the composition work the student is allowed to select his own subjects and methods of treatment.

5 and 6. **A Study of Literary Forms.** Six credits (three hours per week). Open upon approval of the instructor to Juniors and Seniors who have completed Courses 1 and 2. A brief treatment of the elements in literature, e. g., art, vigor, truth, clearness, feeling, and the like; an exposition of literary forms, e. g., the epic, lyric, drama, novel, etc., in relation to the evolution and methods of judging each. Essays and Reports.

7. **The Epic as a Literary Form.** Two credits (two hours per week). Open to those who have completed Courses 5 and 6. A detailed study of the Epic, its origin and history. Reports. First semester.

8. **The Lyric.** Two credits (two hours per week). Open to those who have completed Courses 5 and 6. A study of the history of Lyric Poetry. Reports. Second semester.

9. **Analysis of Prose.** Two credits (two hours per week). Open to Juniors and Seniors who have completed Courses 3 and 4. The principles of structure, diction, and style, which underlie the work of leading writers; application of these principles in original composition. First semester.

10. **Short Story Writing.** Two credits (two hours per week). Open to Juniors and Seniors who have shown exceptional proficiency in Course 9. An analytical and constructive study of story writing. Second semester.

11 and 12. **Essay Writing.** Four credits (two hours per week). Open to Juniors and Seniors who have completed Courses 3 and 4. Practice in the analysis of the various forms of the essay, as the didactic, critical, the informal; opportunity for extended composition. About three essays a semester are written. Individual aid given to the student. Analysis of modern essays.

13 and 14. **The Drama as a Literary Form.** Four credits (two hours per week). Open upon approval of the instructor to Juniors and Seniors. A detailed study of the theory of the Drama, based on the plays of Henrik Ibsen. Other arrangements may be ascertained upon application to the department.

15 and 16. **The Novel as a Literary Form.** Four credits. (two hours per week). Open upon approval of the instructor to Juniors and Seniors. Technique and Principles of Fiction. Other arrangements may be ascertained upon application to the department.

### PUBLIC SPEAKING

1 and 2. **Voice, Body, and Mind.** This course is based upon the understanding that all expression must have a mental cause and prove it in the expression; and that the voice and body must become the obedient servants of the mind. Vocal culture, breathing, position, gesture, pronunciation, articulation, emphasis, tone, quality, etc.—and their psychological relation. Two hours. Throughout the year. Two credits each semester.

3 and 4. **Oratory and Great Orators.** Studies and short talks on methods of public address, and sources of power. Studies of representative orations. Preparation and delivery of orations. This course is especially recommended to all students interested in oratorical contest work. Two hours, throughout the year. Two credits each semester.

5 and 6. **Debate and Extemporaneous Speaking.** Study and application of principles of argumentation. Preparation of briefs—Topics discussed extemporaneously—Leading questions of the day debated in class. Special study of questions for inter-collegiate debate. Two hours. Throughout the year. Two credits each semester.

7 and 8. **Masterpieces.** The Bible, the plays of Shakespeare, poetry of Browning, Tennyson, Kipling, and other masters studied with reference to the spiritual significance of the text, its vocal interpretation and the differentiation of the characters. Two hours. Throughout the year. Two credits each semester.

9. **Individual Instruction.** Private work in this department can be arranged by consultation with the professor in charge, who will decide fees for same.

### GREEK

The aim of this department is three-fold:

First, to give to the student the training in close application and accurate thinking for which classical study is peculiarly adapted.

Second, to inspire an appreciation of the beauty and worth of Ancient Literature through a personal knowledge of representative writers.

Third, to give a comprehensive view of the field of Greek and Roman Literature, showing their relation to modern letters.

1. **Elementary Greek.** Grammar, composition, selections from Xenophon's *Anabasis*. Four hours, first semester.

In case the needs of the class should require it, two semesters may be spent on Course 1. In any case however this course will receive but one semester of college credit.

2. **Xenophon's *Anabasis*.** Selections from the *Iliad*. Four hours, second semester. Courses 1 and 2 are equivalent to two years work in secondary schools.

3. **Homer. *The Odyssey*.** Two hours, first semester.

4. **Plato. *Apology and Crito*.** Two hours, second semester.

### LATIN

1 and 2. **Cicero-Vergil.** Approximately the work completed in a two years' course in secondary schools. Four hours, each semester.

3. **Cicero.** De Senectute and De Amicitia. Three hours, first semester.

4. **Livy and Tacitus.** Selections from Livy's History. The Agricola of Tacitus. Three hours, second semester.

5. **Horace and Plautus.** Odes and Epodes of Horace. The Captivi of Plautus. Two hours, first semester.

6. **Terrence and Catullus.** The Adelphi of Terrence. Selections from Catullus. Two hours, second semester.

7. **Methods.** A discussion of methods of teaching Latin. One hour.

### MODERN LANGUAGES

#### German

1. **Elementary Course.** Grammar: Thomas' German Grammar; Glueck-Auf, Wenkebach. Four hours, first semester.

2. Immensee, Storm; Hoeher als die Kirche, Hillern; German Poems for memorizing and composition and colloquial exercises based on texts read. Four hours, second semester.

3. **The Classic Drama.** Reading from Lessing and Schiller, such dramas as William Tell, Die Jungfrau von Orleans, Minna von Barnhelm, Nathan der Weise, with lectures on the lives and works of the authors; Composition; Collateral, Des Edle Blut; Memory Work. Three hours, first semester.

4. **Studies in the Life of Goethe.** Hermann und Dorothea, and other selections of equal grade; Composition; Collateral, Der Fluch der Schoenheit; Memory Work. Three hours, second semester.

5 and 6. **A Course in Modern German.** Reading from Schefel, Sudermann and Hauptmann; Composition. Two hours, each semester.

7 and 8. **Faust.** A Seminar, Books I and II are read and discussed; papers are presented from time to time on questions which arise from the discussions in the Seminar. These are presented at the close of the course. Two hours, each semester.

#### French

1. **Grammar Course.** Fraser and Squair's French Grammar; Aldrich and Foster's French Reader. Four hours, first semester.

2. Continuation of Course 1 and Mallots' Sans Famillie; Composition; Memory Work. Four hours, second semester.

3. **Intermediate Course.** Moliere's L'Avare; Racine's Esther;

Corneille's *Le Cid*; Collateral Readings from French History. Three hours, first semester.

4. Continuation of Course 3. Hugo's *Herman or Notre Dame de Paris*; Rostand's *Cyrano de Bergerac* or *L'Aiglon*; Collateral, *Colomba*; Memory Work. Three hours, second semester.

### Spanish

1. **Coester's Spanish Grammar.** An introduction to the chief syntactical characteristics of the language, sufficient for a good working knowledge of the Spanish idiom; Turrell's or Harrison's *Spanish Reader*. Three hours, first semester.

2. **De la Barca's "La Vide es Sueno."** The reading of about 200 pages of prose and verse; composition; mastery of the uses of modes and tenses; memorizing of easy short poems; writing Spanish from dictation. Three hours, second semester.

## GROUP II—The Social Sciences

### SOCIAL SCIENCE

While Social Science is a group of sciences, it is also a science of groups. In the latter sense it is a study of man in his natural tendency to form groups or associations of various kinds, economic, political, etc. It gives a broad view of the field of knowledge in which the student finds a proper setting and perspective for his other studies.

The basal subject of the department, constituting an introduction not only to other courses in the department but also to other social sciences, is Anthropology.

The aim of the department is to give a comprehension of those factors and processes by which the past has become the present in order that it may be the agent of humanity in finding out the larger meaning of life and the means of advancing most surely to the largest human achievement.

1. **Anthropology.** A study of man: the origin of the arts and sciences, industrial organization, marriage and the family, religion, government, etc. The physical and geographical, the biological, eugenic and genetic factors are considered. Two hours, second semester.

2. **Principles of Economics.** An introduction to the principles which underlie different economic relations and institutions, especially the theory of values. Three hours, first semester.

3. **Problems of Economics.** A detached examination of economic principles applied to such problems as credit and banking, labor, trusts, transportation, taxation, etc. The aim is to make the method of work such as to foster a judicial spirit and an attitude of scholarly independence. Three hours, second semester.

4. **The State.** Its development, governmental agencies and activities. Elements of political science. Three hours, first semester.

5. **American Government.** An investigation of fundamental principles and of the active workings of national, state and local administration, with particular emphasis upon the condition and rule of cities and the relation of the citizen to public affairs. Three hours, second semester.

6. **Sociology.** An inquiry into the nature of society, the course and factors of social progress with a view to discovering those policies of society which make for future improvement. Three hours, first semester.

7. **Science of Statistics.** The aim of this course is to present social phenomena in terms of facts and figures. An attempt will be made to correlate concrete facts with social theory. Three hours, second semester.

8. **Economics of the Liquor Traffic.** The primary object of this course is a practical discussion of the recent liquor legislation in the State of Oregon. The origin, nature, and validity of liquor legislation will be considered. Much attention will be given to the social and economic aspects of the problem. One hour, first semester.

## HISTORY

1. **History of Greece.** A general survey of Grecian History and customs. Two hours, first semester. Two credits. Not offered in 1915-16.

2. **History of Rome.** A general survey of Roman History and customs. Two hours, second semester. Two credits. Not offered in 1915-16.

3 and 4. **History of Western Europe.** First Semester—The Mediaeval Period 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 beginnings of the modern European state; mediaeval culture. Second Semester—The Modern Period to 1815; the Renaissance; Reformation; Catholic reformation; wars of re-

ligion; the age of Louis XIV; the development of modern European states. Three hours. Six credits.

5 and 6. **History of the English People.** The social, economic, religious, political and constitutional development of the English people from the Anglo-Saxon invasion to the present time. Frequent class discussions, collateral reading, and the preparation of papers on special subjects. Four hours, throughout the year. Eight credits.

7. **The French Revolution.** 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 Courses 4 or 6, or an equivalent. Two hours, first semester.

8. **Europe in the Nineteenth Century.** The growth of liberal political thought. The development of the conditions which gave rise to the greatest world conflict. Open to those who have had Courses 4 or 6, or an equivalent. Two hours, second semester.

9. **American Colonial History.** The development of the colonies socially and politically from their beginning until the adoption of the Constitution. Open to Juniors and Seniors. Two hours, first semester.

10. **American Constitutional History.** A study of causes and results of the chief movements in American history from the adoption of the Constitution to the present time. Open to Juniors and Seniors. Two hours, second semester.

11. **Methods in History Teaching.** Lectures, observations and practice in the teaching of History in secondary schools. One hour, first semester.

### PHILOSOPHY AND EDUCATION.

1 and 2. **Psychology.** This course will serve as an introduction to the systematic study of Psychology. The course will begin 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, emotion, and volition—will be emphasized. This course will be required of all students who expect to specialize in education. Text-book, lectures and discussions. Two hours a week, throughout the year.

3. **Seminar in Psychology.** This course is intended for those students having a general interest in the more advanced con-

ceptions of the various mental processes. The course will be intensive as well as extensive. The psychological works of James, Munsterberg, Titchener, Yerkes, Sully, and Spencer will be consulted. Open to Juniors, Seniors, and Graduate students. Two hours a week, first semester.

4. **Psychology of Religion.** A psychological study of the origin, nature, manifestations, and accompaniments of the religious consciousness. In this course much attention will be given to James' Varieties of Religious Experience, and the writings of Starbuck, Leuba, and Ames. Two hours, second semester.

5. **Logic.** This is an elementary course. A study of the outlines of inductive, deductive, and organic thinking, with particular reference to the methods of discovery and proof, to probability and certainty, to fallacies, and to the unity of thought. Two hours a week, first semester.

6. **Philosophy of Ethics.** This course will consist of the history and meaning of the more important ethical theories, both ancient and modern. The course includes a discussion of the ethical aim in education, both as to its importance and its proper direction. Much attention will be given to the ethical theories of the Greeks, and to modern writers such as Kant, Spencer, Paulsen, Bowne, Dewey, and Shaw. Two hours a week, second semester.

7. **Introduction to Philosophy.** The purpose of this course is to serve as a general introduction to philosophical problems. The discussions will be freed as much as possible from technicalities, and no preliminary training in philosophical study will be necessary. The chief 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. Two hours a week, first semester.

8. **Problems of Philosophy.** In this study much time will be given to the problems of Cosmology, Ontology, and Epistemology. Some of the topics to be discussed are: Dualism, Materialism, Idealism, Agnostic Monism, Antropomorphic Theism, Atomism, Idealistic Theism, Realism, Phenomenalism, Empiricism, and Rationalism. This course will consist of lectures, discussions, assigned readings and themes. Two hours, second semester. Not given 1915-1916.

9. **History of Ancient and Mediaeval Philosophy.** This study will endeavor to trace the development of philosophical

thought from the sixth century B. C. to the sixteenth century A. D. The course will consist of a text-book study, discussions, and lectures. Three hours a week, first semester.

10. **History of Modern Philosophy.** A review of the development of modern philosophic thought, from its beginning in the sixteenth century to the present time. Particular attention will be given to those writers who have close technical relations with the history of education. Systematic reading will be required in connection with the course. Three hours, second semester.

11. **History of Education.** The aim of this course is to outline the entire history of education. Much attention will be given to progressive and non-progressive factors in connection with the educational aims, ideals and methods of various nations. Greek, Roman, and Christian ideals will be considered. Monasticism, Scholasticism, Universities, the Renaissance and the Reformation will be studied. The course will close with a resume of the more fundamental educational movements and theories of modern times. Text-book, lectures and discussions. Three hours a week. First semester.

12. **Modern Educational Classics.** Some of the pedagogical writings to be read in this course are: Locke's *Thoughts on Education*; Rousseau's *Emile*; Spencer's *Education*; Huxley's *Science and Education*. Three hours, second semester.

13. **Principles of Education.** A course 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 will receive due consideration. Text-book, lectures, and discussions. Three hours a week, first semester.

14. **Educational Psychology.** 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. This course centers about those mental processes that are truly educative. Three hours, second semester.

15. **Moral Education.** A consideration of the forces that mould human character. Much attention will be given to the home, the school, the church, and vocation, as component factors in character building. The relation of the human will

to heredity and environment will be explained. Two hours, second semester.

16. **Seminar in Education.** A course for students prepared to do advanced work. Two or more of the following topics will be discussed: the psychology of reading; the psychology of drawing; the psychology of skill; aphasia in its bearing on the teaching of reading, writing, and spelling; and inner speech in relation to mental processes. One hour a week, second semester.

### RELIGION

These courses are given by the faculty of Kimball College of Theology, and are open to students of the College of Liberal Arts on the following conditions:

1. Students taking over five hours from the following courses in any semester must pay additional tuition.

2. A maximum of fifteen hours from these courses may be presented in the College of Liberal Arts for credit towards graduation.

1. **Historical Geography of Palestine.** The location, topography, and characteristics of those places which figure in the Bible narratives. One hour, first semester.

2. **Canon and Text of Scripture.** A survey of the text, manuscripts and versions of the scriptures, with a study of their inspiration, centering round the question, "How We Got Our Bible." One hour, second semester.

3. **Old Testament History.** The history of the Hebrew people and of the unfolding of the kingdom of God upon earth, on the basis of the Bible narrative. Two hours, first semester.

4. **Life of Christ.** A constructive study based on the text of the Gospel narrative. Two hours, second semester.

5 and 6. **Church History.** The rise and development of the Christian Church from the apostolic age to the Reformation. Three hours. Not given in 1915-1916.

7 and 8. **Church History.** From the Reformation to the present time. Three hours throughout the year. Six credits. Given in 1915-1916.

9 and 10. **History of Methodism.** Two hours. Not given in 1915-1916.

12. **Christian Evidences.** A study of the fundamentals of Christianity and of the value of Christian experience. (1915-1916.) Two hours, second semester.

13. **Comparative Religions.** A survey of the various non-biblical systems of religion and of their relation to Christianity. (1915-1916.) Two hours, first semester.

14. **Theism.** A study of the philosophic basis of this great belief of humanity. (1915-1916.) Two hours, second semester.

15 and 16. **Old Testament and New Testament Introduction.** Study of the authorship, date, contents, and literary characteristics of the books of the Old and New Testaments. (1915-1916.) Two hours throughout the year. Four credits.

The following courses, given in 1914-1915, and usually given only in alternate years, will also be offered, if called for by a sufficient number of students:

17 and 18. **Missions.** A study of the great missionary movements of history, of the great missionary leaders, the difficulties of the work and the modern situation. Conducted by class room lectures by the professor and reference work on the part of the students. One hour.

19 and 20. **Psychology of Religion.** An investigation of religious phenomena, especially the phenomena of Christian experience, based on the latest studies in religious psychology, and designed to show the relation of the natural to the supernatural in these phenomena. Two hours.

21. **Religious Pedagogy.** A study of childhood and youth in their relation to the religious life, and of the best methods of imparting religious instruction. Two hours.

#### **KIMBALL COLLEGE 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**

H. J. Talbot, A. M., D. D.

President and Professor of Systematic and Practical Theology

Edwin Sherwood, A. M., B. D., D. D.,

Professor of Biblical Interpretation

Everett S. Hammond, A. M., S. T. B., Ph. D.,

Professor of Historical Theology

## GROUP III—The Natural Sciences

### GENERAL SCIENCE

A general course in Science is offered for those whose interests are in other fields, but who should have a general view of this field. Biology the first semester and the Physical Sciences the second.

#### The Physical Sciences

The course aims to familiarize the student with the general spirit and methods of Physical Science, by examining the more simple facts and phenomena of everyday observation. It is intended to inspire appreciation of the dignity and cultural value of scientific study. Open to all students. Three hours, second semester.

### CHEMISTRY

1A and 2A. **General Advanced Inorganic Chemistry.** Lectures, recitations and laboratory work. This course deals with the fundamental facts and principles of the science. Lectures are given and recitations required, either upon the lectures or upon subjects assigned in the text-book. The laboratory work is arranged to illustrate and confirm the subjects considered in the lecture room. The principal elements, both non-metallic and metallic, are studied, and their chemical combinations considered. Students take full notes of their work and are examined upon it. A laboratory fee of \$3.00 per semester is charged. Three hours, throughout the year.

1B and 2B. **General Inorganic Chemistry.** 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. Five hours, throughout the year.

3 and 4. **Qualitative Analysis.** This course consists of a systematic study of the principal metals and acids and methods for detecting them in simple and complex mixtures. Lectures and laboratory work. A laboratory fee of \$5.00 per semester is required. Three hours, throughout the year. Prerequisite, Courses 1A and 2A or 1B and 2B.

5 and 6. **Quantitative Analysis.** An accurate determination of some of the elements of simple compounds both by gravimetric and volumetric methods. Prerequisite, Courses 3 and

4. Three hours, throughout the year. A laboratory fee of \$5.00 per semester is charged.

7 and 8. **Assaying.** This course comprises 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. Two hours, throughout the year. Hours to be arranged. Prerequisites, same as for Courses 5 and 6. (1916-1917).

9. **Organic Chemistry.** An elementary consideration of the important carbon compounds. Lectures and laboratory work. Four hours, first semester. A fee of \$5.00 is required. Prerequisites, same as for Courses 5 and 6.

10. **Sanitary and Household Chemistry.** A short course in sanitation and the chemistry thereof will be given in connection with some work on foods and food products and the practical application of chemistry to everyday life. A fee of \$3.00 is required. Four hours, first semester. Prerequisites, Courses 1A and 2A or 1B and 2B.

11. **Analytical Methods.** A course in special analytical methods will be given to meet the requirements of the advanced students. Time and hours to be arranged with the instructor.

12. **Methods.** The course includes 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. One hour, second semester.

Advanced or specialized courses will be arranged whenever the demand is sufficient to justify giving such courses.

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.

## PHYSICS

1. **Mechanics, Sound, and Heat.** Lectures, recitations and laboratory work. This is the first half of a course covering the entire subject. The purpose is to lay a foundation of general principles in view of further study through advanced courses

and laboratory work, and to furnish a body of physical knowledge and an introduction to the scientific methods and spirit suited to the needs and aims of a liberal education. Entrance Physics is required. A laboratory fee of \$3.00 is charged for this course. Three hours, first semester.

2. **Electricity, Magnetism, and Light.** Lectures, recitations and laboratory work. This course completes the general view of Physics which the first year's work is designed to give, and aims to furnish that acquaintance with electric, magnetic, and optical phenomena and theory and with their practical applications, which is desirable for the liberally educated man, and necessary for the special student in science. Course 2 must be preceded by Course 1. A laboratory fee of \$3.00 is charged for this course. Three hours, second semester.

3. **Methods.** Lectures, observation of actual teaching in high schools, discussion of text-books and laboratory courses, individual practice work in the laboratory and in organizing and conducting laboratory work and in experimenting before the class. One hour, second semester.

Advanced courses in Mechanics, Heat, Light, Sound, Magnetism, and Electricity will be arranged for if desired by a sufficient number to justify the giving of the same.

## GEOLOGY

2. **General Geology.** This course aims to give 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 are made to points in the vicinity where geologic processes and forms are illustrated. An elementary knowledge of physics, botany, zoology and chemistry is desirable. For Juniors and Seniors. Four hours, second semester.

3 and 4. **Mineralogy, Descriptive and Determinative.** 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.

Prerequisite, Geology 1. A laboratory fee of \$2.00 per semester is required. One hour, throughout the year.

5 and 6. **Economic Geology.** 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 2, and Chemistry 1A and 2A or 1B and 2B. One hour, throughout the year.

## BIOLOGY

The aim of the instruction in most of the courses in this department is to present the general principles of Biology through a more or less detailed study of several important types, representative of each of the large phyla of the animal and vegetable kingdoms.

1. **General Biology.** A survey of the general principles of both plant and animal life. Text, lectures, and laboratory work. Three hours a week, first semester.

2. **Invertebrate Zoology.** A survey of the several types of invertebrates, beginning with a brief microscopic study of the Protozoa, and advancing through 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 great fundamental principles of animal morphology. One lecture and four hours of laboratory work, first semester.

3. **Vertebrate Zoology.** 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. One lecture and four hours of laboratory work, second semester. The course

in Human Physiology, or that in Zoology in the Academy is a prerequisite to this.

4 and 5. **Human Physiology and Anatomy.** This course takes up somewhat in detail the structure 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 subjects of hygiene and sanitation receive considerable attention. Text, lectures, and laboratory. The course in Vertebrate Zoology is a prerequisite to this. Two lectures and two laboratory hours, both semesters.

6. **Ornithology.** A brief study of the structure, classification and bionomics of birds. Laboratory and field work. Two hours, second semester.

7 and 8. **Plant Morphology.** This work follows the same general plan as that of the above courses in Zoology, though necessarily the laboratory portion of it is mainly microscopic. Beginning with the simplest forms, slime moulds and bacteria, each group in turn is studied and compared with others and its limits defined. Plant physiology, ecology, etc., are given due attention. One lecture and four hours of laboratory work throughout the year.

9 and 10. **Plant Physiology and Plant Ecology.** These two courses, while distinct in name, are so closely related that the latter may be considered as a continuation of the former. The work in 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. This considers 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. One lecture and four hours laboratory per week in both these courses.

Courses 4 and 5 are given alternate years with Courses 7 and 8. The former will be given in 1915 and 1916, and should precede the latter, though not absolutely prerequisite.

11. **Systematic Botany.** Principles of classification of seed-plants, with a brief study of local flora. Two hours, second semester. Open to all who have had the Academy Botany.

12. **The Theory of Organic Evolution.** A brief examination of some of the leading facts on which the evolutionary hypo-

thesis, so far as it applies to plants and animals, is based. One hour a week during the first semester. Open to all College students.

13. **Methods.** Historical and technical lectures on the rise and progress of General Biology. Aim, content and methods are considered in relation to secondary teaching. One hour, first semester.

Note—In the above courses two hours of laboratory work count as one prepared recitation.

### MATHEMATICS.

The courses are designed for three classes of students: first, those who intend to enter professions in which mathematical knowledge and skill are an important instrument; second, those who study mathematics as a part of a liberal education; third, those who intend to teach mathematics in high schools.

Preparatory subjects 1, 2, and 3 constitute the preparation for the work of this department.

A major must include Courses 6 and 7.

Freshmen who are fond of mathematics are sometimes deterred from the study because they have been long out of practice. Such students should not decide to drop mathematical study until they have consulted with the instructor. A little private review in factoring, radicals, and quadratic equations before the opening of the semester would be a great help.

Course A is prerequisite to Courses 1 and 3 for students who do not offer preparatory subject 3. 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 should be employed wherever they are applicable. Three hours, first semester.

1. **College Algebra.** 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. Three hours, second semester.

2. **Solid Geometry.** Special emphasis is laid upon the practical numerical exercises. Three hours, second semester.

3. **Plane Trigonometry.** The general formulas of plane trigonometry; the theory of logarithms and the use of logarithmic tables; application of the numerical solution of triangles and simple problems in heights and distances; application of astronomy and navigation. Four hours, first semester.

4. **Analytic Geometry.** Including the straight line, circle, parabola, ellipse, hyperbola, and some of the higher curves. Four hours, second semester.

5. **Calculus.** Differentiation and easy integration. Three hours, first semester.

6. **Calculus.** A continuation of Course 5. Expansion of functions, areas, volumes, length of curves, center of gravity, pressure of liquids. Three hours, second semester.

7. **General Astronomy.** Historical and descriptive. Adapted to the needs of students with no previous knowledge of the subject. Two hours, first semester.

8. **Spherical and Practical Astronomy.** A more mathematical treatment. Prerequisites, Trigonometry and Elementary Physics. Two hours, second semester.

9. **Methods.** A critical and historical study of the logical foundations of secondary mathematics, as an aid in teaching. One hour, second semester.

10. **Surveying.** Transit and level, their use and adjustment. Land surveying, leveling, plotting, computations. Several high-grade instruments belong to this department, including the Y-level and engineer's transit with solar attachment, etc., sufficient for instruction in field work. Two hours, second semester. (1916-1917.)

11. **Mechanics.** Involving the use of Analytic Geometry and the Calculus as well as of the elementary mathematics. Two hours, both semesters.

### PHYSICAL EDUCATION

The need of systematic physical 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 is not secondary in this matter, for with our well-equipped Gymnasium and large athletic field we are prepared to supply the needs of each and every student. 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.

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Students having unsatisfactory scholastic rank are debarred from inter-collegiate contests.

Special emphasis is placed on the development of those who most need systematic and directed exercise. The college plans outdoor and indoor work for the men and women. Regular teams in football, baseball, basketball, and in track and field athletics are maintained. Through these, the reserves, and class teams a large number of students are given exercise under the direct supervision of the Director of Physical Education.

1. **Gymnasium Work.** The object of this course is to teach students the correct form in exercising and breathing, and that the best possible physique and health may be developed and maintained. Exercises are given in marching, dumbbells, Indian clubs, heavy apparatus, and various forms of calisthenics. Special attention is given to corrective gymnastics and posture. Ladies' and men's classes are arranged at hours most convenient. Two hours per week are required of all Freshmen and Sophomores not engaged in systematic athletic work on the field.

2. **First Aid to the Injured.** The aim of this course is to give all students a knowledge of what to do in case of injury either to themselves or to their fellows. Bandaging, cuts, bruises, sprains, and resuscitation, are a few of the many subjects that will be covered. One hour per week for one semester.

## THE TEACHERS' COLLEGE

(Preparing Teachers for Secondary Schools)

The Teachers' College is organized to give efficient professional training to those who desire to enter the teaching profession, either as teachers or as supervisors, principals, or superintendents of city schools.

The demand for professionally trained men and women of the broadest culture for these positions has led to the establishment of teachers' colleges by some of the leading universities of this country. That breadth of culture may be attained along with professional efficiency the specific educational training has been correlated with a broad course in liberal arts.

In Willamette University the first two years of work correspond with the courses in the College of Liberal Arts for the Freshman and Sophomore years. The three groups, Letters, Social Sciences, Natural Sciences, afford opportunity for laying broad foundations in various fields of education while each is of such a character as affords extra cultural influence.

In the Junior and Senior years opportunity is given for specialization in the department in which the student proposes to teach, a major of twelve to eighteen hours being required, varying according to the work, and a minor of eight to twelve hours, in addition to at least fifteen hours in Education as professional training, and conformity to the group system as outlined for the College of Liberal Arts.

The curriculum presents certain fundamental courses in Educational Psychology and in the History and Principles of Education described in the department of Philosophy and Education.

The study of Biology and Anthropology are of especial importance in relation to various theories in Educational Psychology such as the "Recapitulation Theory," while the social aspects of education, which is a process of socialization, indicate the importance of Sociology in its relation to the efficiency of the teacher.

### THEORY AND PRACTICE

Special methods applying to the leading departments of study in the secondary school will be treated by the heads of departments, who will also devote some time to the supervision of practice teaching in their subjects. See departments.

Opportunity for observation of methods together with practical experience will be afforded in the Academy where high

school subjects are taught. The High School of Salem, one of the best in the state, will also afford opportunity for observation of methods.

Teachers' courses are offered in

ENGLISH  
LATIN  
HISTORY  
MATHEMATICS  
PHYSICS  
CHEMISTRY  
BIOLOGY

### A SEMINAR IN PROBLEMS OF EDUCATION

Questions of administration, correlation of departments, the place of the superintendent, the function of the principal, athletics, hygiene, social life, etc., may be discussed. Prominent educators available will lead in these discussions at times.

### REQUIREMENTS

For entrance, graduation, degrees, expenses, etc., are in general the same as in the College of Liberal Arts.

### THE UNIVERSITY TEACHERS' CERTIFICATE

Will be given all graduates who meet the following conditions:

1. The satisfactory completion of the requisite work in the subject or subjects which the applicant intends to teach.
2. Successful teaching evidenced either by practice work under the supervision of the Teachers' College or by satisfactory testimonials of successful teaching experience.
3. The completion of at least fifteen semester hours in Education.

### 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.

### MUSIC

The Department of Music affords opportunity to prepare for the teaching or supervising of music in the public schools.

**OREGON SCHOOL LAW****As to Certification on Graduation**

“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.”

**As to Renewal of Five-year State Certificates Issued on Examination**

A five-year state certificate may be renewed when the holder thereof has attended an institution of higher education for thirty-two consecutive 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 certificate, so renewed, may be again renewed in the same manner as the original certificate was renewed.

**COLLEGE OF LAW  
CALENDAR****1915**

September 14—Registration and Examinations.

September 20—Instruction begins.

November 24—Thanksgiving vacation begins.

November 29—Second term begins.

December 24—Christmas vacation begins.

**1916**

January 2—Christmas vacation ends.

January 31—Third term begins.

April 3—Fourth term begins.

May 21—Baccalaureate Sunday.

May 27—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 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. The Law Library also contains the pleadings and brief 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 all 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 have the opportunities 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 is well worth attention. The moral and religious influence of the institution is especially good.

### 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 or the Academy during the time they are taking the Law Course.

## LAW COURSE OF STUDY

## FRESHMAN YEAR

Subject	Instructor	Lect	First Term Nine Weeks 56 Lectures	Second Term Nine Weeks 46 Lectures	Third Term Nine Weeks 54 Lectures	Fourth Term 8 Weeks 48 Lectures
Blackstone	Mr. Hall	56	Begins Sept. 20 56 Ends Nov. 23			
Contracts	Mr. Hall	34		Begins Nov. 29 Monday 16 Thursday	Monday 18 Thursday Ends March 30	
Agency	Mr. Hall	16				Begins April 3 Monday 16 Thursday Out May 25
Criminal Law and Procedure	Mr. Keyes	33		Begins Nov. 30 Tuesday 15 Friday	Tuesday 18 Friday Out March 31	
Domestic Relations	Mr. Hall	16				Begins April 4 Tuesday 16 Friday Out May 26
Sales	Mr. Hall	15		Begins Dec. 1 Wednesday 15 Saturday Out Jan. 29		
Torts	Mr. Roberts	18			Begins Feb. 2 Wednesday 18 Saturday Out April 1	
Baillements and Carriers	Mr. Roberts	16				Begins April 5 Wednesday 16 Out May 22 Saturday

## JUNIOR YEAR

Subject	Instructor	Lect.	First Term Nine Weeks 56 Lectures	Second Term Nine Weeks 46 Lectures	Third Term Nine Weeks 54 Lectures	Fourth Term Eight Weeks 48 Lectures
<b>Real Property First Part</b>	Mr. Miles	<b>35</b>	Begins Sept. 20 Monday 19 Thursday	Monday 16 Thursday Ends Jan. 27		
<b>Real Property Second Part</b>	Mr. Blue	<b>34</b>			Begins Jan. 31 Monday 18 Thursday	Monday 16 Thursday Ends May 25
<b>Evidence</b>	Mr. Shields	<b>19</b>	Begins Sept. 21 Tuesday 19 Friday Ends Nov. 19			
<b>Equity</b>	Mr. Shields	<b>49</b>		Begins Nov. 30 Tuesday 15 Friday	Tuesday 18 Friday	Tuesday 16 Friday Ends May 26
<b>Partnership</b>	Mr. Smith	<b>18</b>	Begins Sept. 22 Wednesday 18 Friday Ends Nov. 27			
<b>Corporations</b>	Mr. Smith	<b>15</b>		Begins Dec. 1 Wednesday 15 Saturday Ends Jan. 29		
<b>Bills and Notes</b>	Mr. Hall	<b>34</b>			Begins Feb. 2 Wednesday 18 Saturday	Wednesday 16 Saturday Out May 27

## SENIOR YEAR

Subject	Instructor	Lect.	First Term Nine Weeks 56 Lectures	Second Term Nine Weeks 46 Lectures	Third Term Nine Weeks 54 Lectures	Fourth Term Eight Weeks 48 Lectures
<b>Pleading</b>	Mr. Bingham	<b>53</b>	Begins Sept. 20 Monday 19 Thursday	Monday 16 Thursday	Monday 18 Ends March 30 Thursday	
<b>Federal Court Practice and Bankruptcy</b>	Mr. Heltzel	<b>16</b>		Tuesday 15 Friday		Begins April 3 Monday 16 Thursday Ends May 25
<b>Code and Practice Work</b>	Mr. Inman	<b>69</b>	Begins Sept. 21 Tuesday 19 Friday		Tuesday 18 Friday	Tuesday 16 Friday Out May 26
<b>Constitutional and International Law</b>	Mr. VanWinkle	<b>69</b>	Begins Sept. 22 Wednesday 18 Saturday	Wednesday 15 Saturday	Wednesday 18 Saturday	Wednesday 16 Saturday Out May 27

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, address Professor A. A. Hall, Secretary of the Law Faculty, Willamette University, Salem, Oregon.

### SCHOOL OF MUSIC\*

The School of Music stands for the development of the true artist and musician, and not for the mere technician; and to this end the course of study and the requirements for graduation have been made fully equal to those of the best conservatories in the East; and the results thereby achieved by the school place it at once in the front ranks as an institution of the highest excellency. The department offers full and complete courses in Piano, Organ, Violin, Voice, Harmony, Counterpoint, Composition, Theory, History, and Sight Reading; and also maintains a Glee Club, a Ladies' Musical Club, a large Choral Society, and a splendid Choir Organization, to all of which music students are eligible. Instruction is given in both private and class lessons. All courses lead to a diploma or a degree.

Of the 124 hours required for the A. B. degree, a maximum of ten credits is allowed for musical work of a theoretical or historical character.

**Piano Course**—The piano work is divided into six grades, the completion of which is necessary for a diploma of graduation. History, sight reading, and theory are also required. Advanced work along these lines, as well as in piano, leads to the degree of Bachelor of Music. Following is a general outline of the six grades of piano studies leading to graduation:

Grades I-II. Kohler, Op. 190. Loeschhorn, Op. 84, Bk. 1. Lecouppéy, Op. 17. Duvernoy, Op. 17. Krause, Op. 4. Burgmüller, Op. 100. Bertini, Op. 100. Czerny, Op. 299, Bk. 1.

Grades III-IV. Heller, Op. 45. Bertini, Op. 29. Loeschhorn, Op. 66, Bks. II-III. Schmitt, Op. 16, Bks. II-III. Cramer Studies. Jensen, Op. 32. Clementi, Gradus.

Grades V-VI. Clementi, Gradus, continued. Haberbier, Op. 53. Moscheles, Op. 70. Tausig, Daily Exercises, Bks. II-III. Henselt, Op. 2. Chopin, Op. 10 and 25.

\*All courses in the School of Music are subject to change.

**Vocal Course**—The requirements for graduation in voice are practically the same as in piano. The ability to play ordinary music at sight and a knowledge of some one modern language are required in lieu of some of the more advanced theoretical work. The course in voice covers four grades, of which a general outline follows:

Grades I-II. Sieber, Concone, Vaccai, Abt, Viardot, Marchesi, Bonoldi, Panofka, and Lutzen, Velocity Studies. Songs, duets, and arias, of English, German, and Italian composers.

Grades III-IV. Concone, Marchesi, Panofka, Nava, Bordogni, Righini, and Lamperti. Studies in Bravura. Songs of Schubert, Schumann, Franz, Mendelssohn; concerted pieces from oratorios; scenes and arias from the best German, French, and Italian operas.

More detailed information may be had by addressing Willamette University, Salem, Oregon.

For rates, tuition, organ and piano rentals, see page 65.

## **SCHOOL OF FINE ARTS**

The aim of the Art Department is to educate teachers of art, to train professional workers in art subjects, and to foster art appreciation and expression as a means of general culture.

The studio rooms are large and well lighted, and are equipped with casts, models, and still life studies.

The students of this department are offered the same opportunities as those in other schools of the University.

There are no examinations for admission to any of the classes in drawing. The beginners are given an opportunity to develop correct ideas of form and color, working from life and nature.

To those who satisfactorily complete the general course of one year certificates are granted.

Diplomas will be given to those who complete the three years course, providing their literary preparation is sufficient to admit them to freshman rank in the College of Liberal Arts.

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**COURSE OF STUDY****First Year —**

Light and shade drawing  
Anatomy  
Object drawing  
Story of composition  
Sketching from life and nature  
History of Art

**Second Year—**

Drawing from life  
Perspective  
Painting in water colors  
Portrait painting in water colors  
Still life in all mediums  
Painting from life and nature  
History of Art

**Third Year—**

Illustrating  
Portrait painting  
Pictorial composition  
Painting from nature  
History of Art

China painting may be taken in addition to the above course.

**Art History.** A course in the History of Art for the story of the art of the ancient Egyptians, Assyrians and Greeks. Open, upon approval of the instructor, to all Liberal Arts students. Two hours, first semester.

## OREGON INSTITUTE

### THE ACADEMY.

In addition to her other schools and colleges Willamette University maintains an Academy.

The Academy has been thoroughly re-organized, standardized and equipped to meet the requirements of standardized high schools of the state. An efficient corps of teachers has been engaged.

The school aims to maintain a high standard of Christian conduct for the good of all the students.

The internal management of the school is determined largely by the conduct of the students themselves. Rules will be made only when the student's misconduct may force the faculty to make same. Honor among the students is encouraged and expected.

Registration signifies that the student is willing to abide by the rules governing the school.

### STUDENT ENTERPRISES

The Student Body of the Academy will have charge of all student affairs, subject to the approval of the faculty. It has control of athletics, debates, oratorical contests and the literary societies.

Every student must be a member of one of the literary societies and appear on the program when assigned a part on same. A suitable time will be arranged for the meetings of these literary societies. Unless otherwise provided for the regular time of meeting will be every Friday afternoon at 2 o'clock.

The school will maintain teams to meet other high schools in football, basket ball, track, debates and oratory.

### REQUIREMENTS FOR GRADUATION

Students entering the Academy will be expected to arrange their work according to the requirements and upon the successful completion of the Academy course and 124 semester hours in the College of Liberal Arts will receive a degree. The periods are one hour in length.

The Academy offers students of the smaller high schools an excellent opportunity to complete a first-class four year course.

Fifteen units are required for graduation. A unit is earned by carrying a subject four or five times a week in hour periods for one year.

For the completion of work in the Academy sixteen units are required. It is advised that these units be distributed in accordance with the recommendation of the National Educational Association, so as to include two majors of three units each and one minor of two units, one of the majors being English.

### COURSES OF STUDY

		ENGLISH AND MATHEMATICS	ENGLISH AND LANGUAGES	ENGLISH AND HISTORY	ENGLISH AND SCIENCE
FIRST YEAR -----	I	English Algebra	English Latin	English History	English Phy. Geog.
	II	English Algebra	English Latin	English History	English Physiology
SECOND YEAR -----	III	English Algebra	English Latin	English History	English Botany
	IV	English Geometry	English Latin	English History	English Botany
THIRD YEAR -----	V	English Geometry History	English Lat. or German History	English History	English Physics History
	VI	English Geometry History	English Lat. or German History	English History	English Physics History
FOURTH YEAR -----	VII	English Arithmetic Civics	English Lat. or German Civics	English Civics	English Chemistry Civics
	VIII	English Arithmetic	English Lat. or German	English Economics	English Chemistry

#### Mathematics

Algebra I—Algebra, Wells and Hart, from beginning to Exercise 69 on page 144.

Algebra II—Exercise 69 on page 144 to page 244.

Algebra III—Page 244 to page 421.

Arithmetic III—Wells Academic Arithmetic completed.

Arithmetic V—Moore and Miners Practical Business Arithmetic, from beginning to page 285.

Arithmetic VI—Business Arithmetic completed.

Bookkeeping III and IV—Office Methods and Practical Bookkeeping, by Powers and Lyons.

Geometry IV—Plane Geometry. Wentworth. Books I and II.

Geometry V—Plane Geometry. Books III, IV and V.

Geometry VI—Solid Geometry. Wentworth. Books, VI, VII and VIII.

### Science

Physical Geography I—Physical Geography. Hopkins. Laboratory and original work required.

Physiology II—Physiology. Conn and Budington. Laboratory and original work required.

Botany III and IV—Botany. Bergen. Laboratory and research work required.

Physics V—Physics. Milliken & Gale. Recitations three hours weekly and laboratory four hours. Subjects taught: Properties of Matter, Metric System, Mechanics and its application to solids, liquids and gases.

Physics VI—Physics. Text and laboratory work completed. Subjects taught: Electricity, Magnetism, Light, Heat, Heat and Sound. The class will be required to make an electric fan and do some wiring.

Chemistry VII—Chemistry. McPherson and Henderson's Elements of Chemistry. Recitation three hours weekly and laboratory work four hours. Course extends to phosphorus.

Chemistry VIII—Chemistry. Course from Phosphorus to end of book.

### History

History I—Ancient World. Botsford. Oriental Nations, Hellas or Greece, Country, People, Wars, Causes of Downfall, etc. From beginning to page 311.

History II—Ancient History. Rome. Country and People, Roman Power, Influence of the Church upon Rome's History, Causes of decline. Completion of text.

History III—Mediaeval History. Myers. Mediaeval and Modern. Empire of Charlemagne, Rise of Modern Nations, the Feudal System, the Crusades, the Church and the Empire, Growth of Nations, Renaissance. Supplementary readings required.

History IV—Modern History. Myers. History of Europe from the sixteenth century to the present time, special reference to the development of political, social and religious ideas. Readings required.

History V—United States History. James and Sanford. Discovery and exploration, colonization, local institutions. Conflicts between England and France. Confederation. Readings and notebook work. From beginning to page 215.

History VI—United States History. Constitution and establishment of Federal Authority. Contest over Slavery. Recon-

struction, Industrial and political Problems. From page 215 to end of text.

Civics VII—American Republic. Forman. Popular and Representative Government. Departments, Constitutional and Federal Government. State, local and party. Liberty. Civil and Political Rights. Form of government, national to village. Functions. Completion of text.

Economics VIII—Elements of Political Economy. Laughlin. Wealth. Industrial System. Consumption and Demand. Production. Exchange. Distribution. Descriptive political economy. Completion of text.

Elocution—Public Speaking. Pronunciation, distinctness, expression. Exercises for the development of vocal organs. Thorough study and work required.

### English Language and Literature

English I and II—English Grammar. Kimball. English Composition. Brooks.

English III and IV—Completion of texts and other work.

English V—English Literature. Long.

English VI—Completion of text and study of classics.

English VII—American Literature. Abernethy.

English VIII—Text completed. Study of classics.

### Latin

Latin I and II—Latin. Pearson. Completion of text.

Latin III and IV—Caesar. Gunnison and Harley. Also Bennett's Latin Grammar.

Latin V and VI—Cicero. Gunnison and Harley.

Latin VII and VIII—Virgil. Fairclough and Brown.

### German

German V and VI—Elementarbuch Der Deutschen Sprache. Spanhoofd.

German VII and VIII—Work prescribed by state course of study.

### Spelling

Spelling may be required of every student in the Academy regardless of classification. Chew's High School Speller.

### Other Courses.

Other courses will be given if desired by a sufficient number of students and same can be arranged in the Academy.

## EXPENSES

Student Body Fee per semester (which includes admission to all athletic and literary contests and subscription to The Collegian) .....	\$ 2.50
Special examination .....	2.00
Registration (Not charged those who register on or before registration days) .....	1.00
Registration for special students .....	2.00
Board and room at Lausanne Hall, payable quarterly in advance—Single room, per semester .....	90.00
Two persons in a room, each per semester.....	80.00
Furnished rooms for young men in private residences, with heat, light and care, per week for each occupant .....	1.00-2.00
Room and board in private families, including fuel and light, per week .....	4.00-6.00
Diploma Fee .....	5.00

### COLLEGE OF LIBERAL ARTS

Tuition per semester of eighteen weeks .....	20.00
Incidental Fee, per semester .....	10.00
Laboratory Fees, per semester—	
Biology, except Ornithology .....	3.00
Ornithology .....	1.00
Chemistry 1, 2 and 10 .....	3.00
Chemistry, all other courses .....	5.00
Physics I and II .....	3.00
Mineralogy .....	2.00
Tuition for Special Student, per semester hour.....	2.00
(Students taking twelve hours or more pay regular tuition)	
Each extra hour above seventeen .....	1.00

### COLLEGE OF LAW

Tuition, per semester .....	30.00
Registration (at Eaton Hall), per semester.....	2.00

### SCHOOL OF MUSIC\*

Tuition varies with the subject and the length of the term.  
 Maximum tuition for private work as follows:  
 Piano, Violin, History, Theoretical Subjects, each, term 28.00

\*Subject to revision.

Voice .....	32.00
Organ .....	54.00
Rental of Instrument, per term:	
Piano, one hour a day .....	4.00
Piano, two hours a day .....	6.00
Piano, each additional hour .....	2.00
Organ, one hour a day .....	10.00
Class work in History and Theoretical Subjects:	
One sixty-minute lesson a week, per semester.....	8.00
Two sixty-minute lessons a week, per semester.....	12.00

### SCHOOL OF FINE ARTS

Tuition per semester (12 hours per week).....	37.00
Incidental fee, per semester .....	5.00
Private Lessons, per hour .....	1.00
Special class lessons, three hours .....	1.00

### ACADEMY

Tuition, per semester of eighteen weeks.....	17.50
Incidental fee, per semester .....	5.00
Laboratory fees, per semester, Chemistry, Physics, Biology .....	2.50
Tuition for Special Students, per semester hour.....	1.50
(Students taking twelve hours or more pay regular tuition)	
Each extra hour above eighteen .....	1.00

No tuition or fees refunded after six weeks except in case of serious or protracted illness.

The following are estimates of the principal expenses for one college year of thirty-six weeks:

	Low.	Average.	High.
Board and room, with fuel and light..	\$125	\$175	\$250
Tuition and incidental fees (College)	60	60	60
Books .....	10	15	25
Fees .....	5	15	35
	<hr/>	<hr/>	<hr/>
	\$200	\$265	\$370

A few students succeed in reducing expenses a little below the lowest estimate above.

In reckoning actual expenses a student should add something for clothing, laundry, etc.

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