

# University of Oregon Bulletin

## General Announcements For the Academic Year 1905-1906



Catalogue of the University, with full announcements of the  
Courses of Study, sent on application

New Series

Volume II

Number IV

Published bi-monthly, and entered at the postoffice at Eugene,  
Oregon, as second class matter.



VILLARD HALL



DEADY HALL



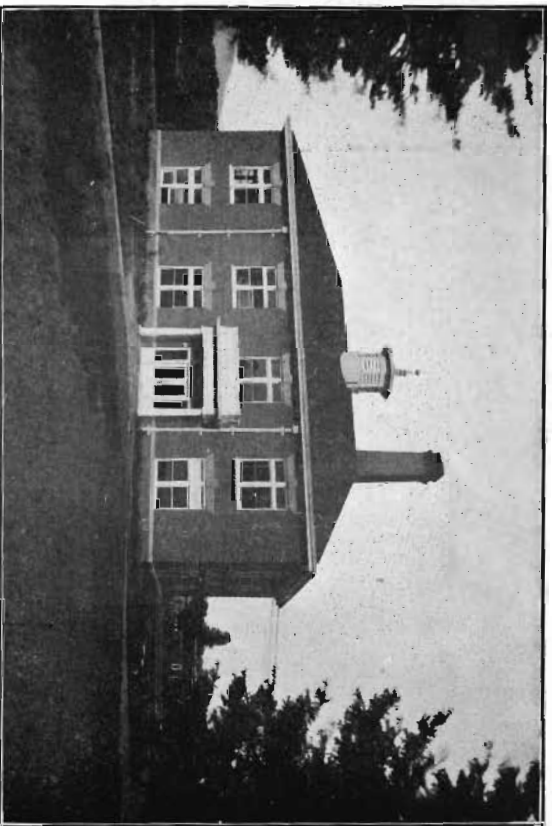
M'CLURE HALL



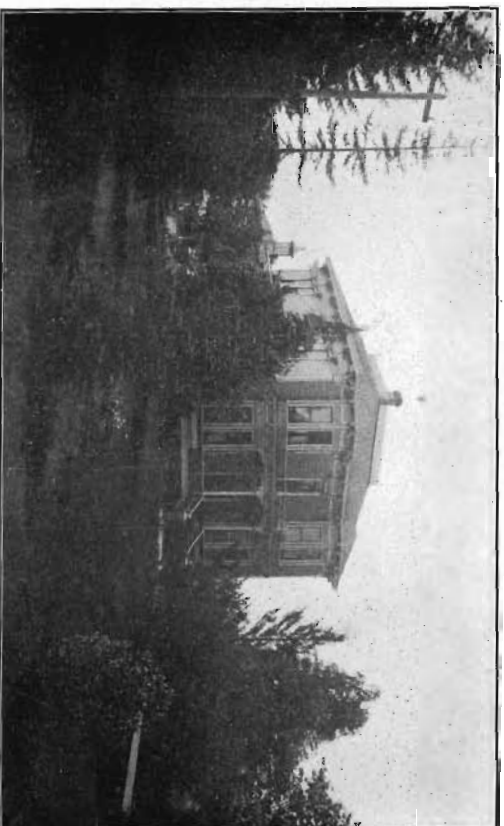
GYMNASIUM



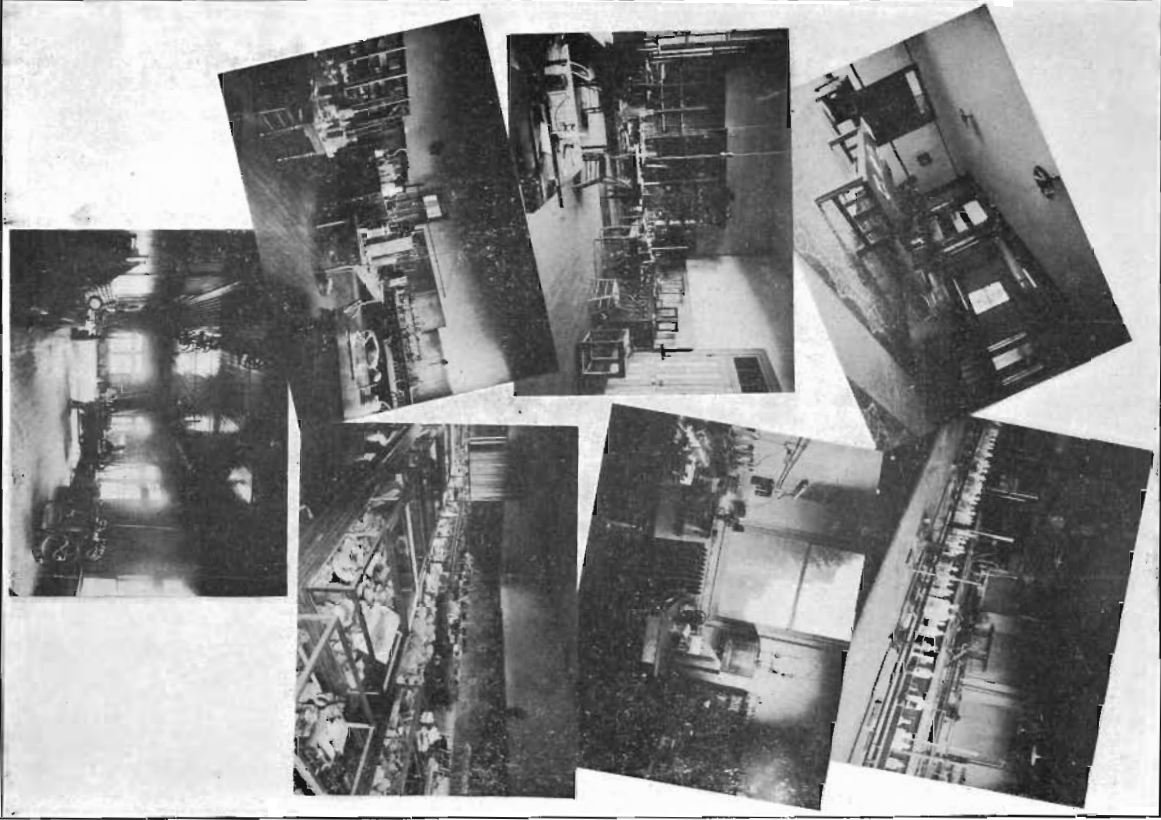
DORMITORY



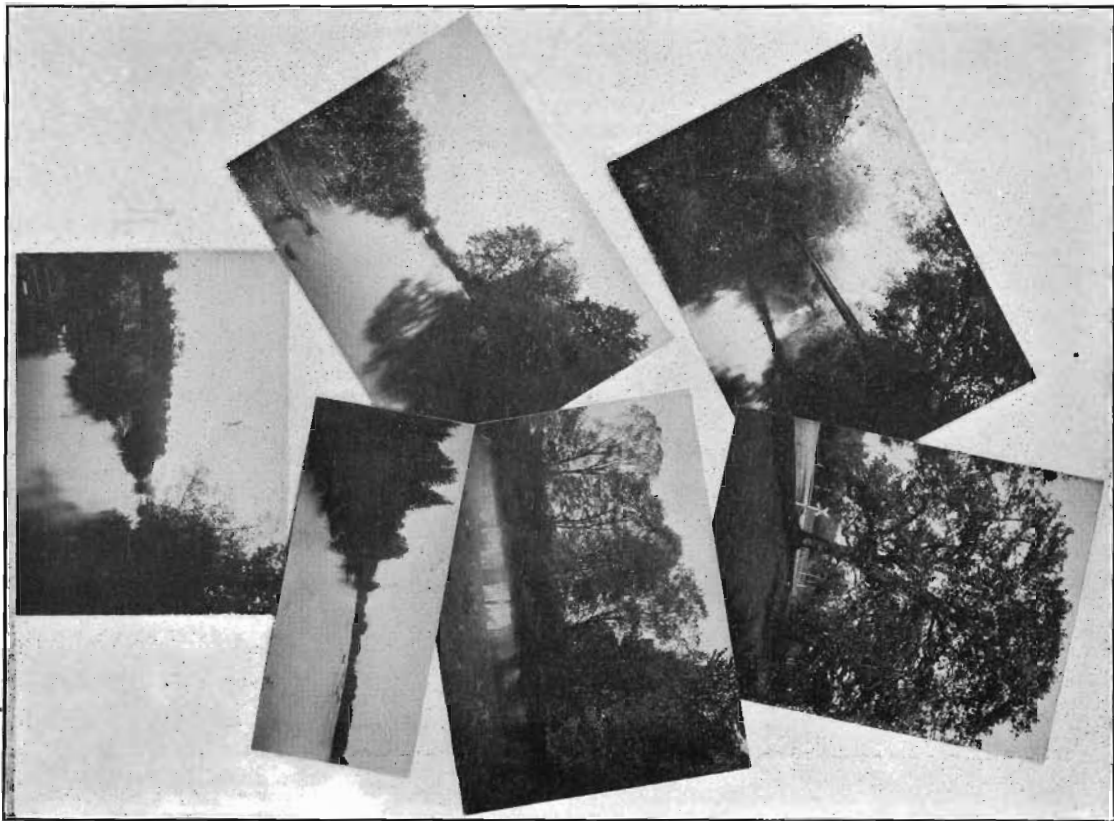
MECHANICS HALL



COLLIER HALL.







# **The University of Oregon**

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## **ANNOUNCEMENTS FOR 1905-1906**

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**PUBLISHED BY THE UNIVERSITY**

**MAY, 1905**

For Catalogue Number of the University Bulletin, containing  
full announcements of Departments with courses offered, address  
THE REGISTRAR,  
University of Oregon, Eugene, Oregon.

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# CALENDAR

1905

		Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.			Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.			Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.							
<b>July</b>		--	--	--	--	--	--	1	<b>Sep.</b>		--	--	--	--	--	1	2	<b>Nov.</b>		5	6	7	8	9	10	11							
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		9	10	11	12	13	14	15		10	11	12	13	14	15	16	17		18	19	20	21	22	23	24	25							
		16	17	18	19	20	21	22		17	18	19	20	21	22	23	24		25	19	20	21	22	23	24	25							
		23	24	25	26	27	28	29		24	25	26	27	28	29	30	26		27	28	29	30	--	--	--	--	--						
<b>Aug.</b>		--	--	1	2	3	4	5	1	2	3	4	5	6	7	<b>Oct.</b>		--	--	--	--	--	1	2	<b>Dec.</b>		3	4	5	6	7	8	9
		6	7	8	9	10	11	12	8	9	10	11	12	13	14		10	11	12	13	14	15	16										
		13	14	15	16	17	18	19	15	16	17	18	19	20	21		22	23	24	25	26	27	28	29		30							
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1906

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<b>Jan.</b>		--	7	8	9	10	11	12	<b>May</b>		6	7	8	9	10	11	12	<b>Sep.</b>		2	3	4	5	6	7	8							
		14	15	16	17	18	19	20		13	14	15	16	17	18	19	20		21	22	9	10	11	12	13	14	15						
		21	22	23	24	25	26	27		20	21	22	23	24	25	26	17		18	19	20	16	17	18	19	20	21	22					
		28	29	30	31	--	--	--		27	28	29	30	31	--	--	23		24	25	26	27	28	29	30	--	--	--					
<b>Feb.</b>		--	--	--	1	2	3	<b>June</b>		--	--	--	--	1	2	<b>Oct.</b>		--	1	2	3	4	5	6	<b>Nov.</b>		7	8	9	10	11	12	13
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<b>Mar.</b>		--	--	--	1	2	3	<b>July</b>		1	2	3	4	5	6	7	<b>Nov.</b>		--	--	--	1	2	3	<b>Dec.</b>		4	5	6	7	8	9	10
		11	12	13	14	15	16		17	8	9	10	11	12	13	14		11	12	13	14	15	16	17		18	19	20					
		18	19	20	21	22	23		24	15	16	17	18	19	20	21		18	19	20	21	22	23	24		25	26	27	28				
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<b>Apr.</b>		1	2	3	4	5	6	7	<b>Aug.</b>		--	--	1	2	3	4	<b>Dec.</b>		--	--	--	--	--	1	<b>Jan.</b>		2	3	4	5	6	7	8
		8	9	10	11	12	13	14		5	6	7	8	9	10	11		9	10	11	12	13	14	15		16	17	18					
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		22	23	24	25	26	27	28		19	20	21	22	23	24	25		26	23	24	25	26	27	28		29	30	31					

**CALENDAR**

1905-1906

September 25-26—Admission examinations.  
 September 27 to February 16—First Semester.  
 February 19 to June 27—Second Semester.

**CALENDAR IN DETAIL**

1905

September 15, Friday	Session of the School of Medicine begins in Portland.
September 18, Monday	Session of the School of Law begins in Portland.
September 25, Monday } September 26, Tuesday }	Entrance examinations at Eugene for the Colleges of Science and Arts, and Engineering.
September 27, Wednesday	First semester opens. Filing of credentials, and of application for undergraduate, graduate, and special student standing.
September 28, Thursday } September 29, Friday }	Payment of incidental fees and registration. Committees of the Faculty and Instructors keep office hours for consultation with students.
October 1, Monday	Enrollment in classes. Regular instruction begins.
October 21, Saturday	Reception to new students by the Christian Associations.
October 7, Saturday	Reception to Alumni football team.
November 28, Tuesday	Annual Glee Club Concert.
November 29, 12 M., to } December 2, Sunday }	Thanksgiving recess.
December 23, Saturday, to } January 7, Sunday }	Christmas vacation.

1906

February 7, Wednesday	Midyear examinations begin.
February 16, Friday	First semester ends.
February 19, Monday	Second semester begins.
March 2, Friday	Alumni Medal Debate.
March 31, Saturday	Treble Clef Concert
April 21, Saturday } April 29, Sunday }	Spring Vacation.

May 1, Tuesday	Graduating exercises of the School of Medicine.
May 7, Monday	Last date for filing applications for graduate degrees with the Registrar.
May 14, Monday	Graduate thesis to be filed with Registrar.
May 18, Friday	University Day. Junior Exhibition 8 P. M.
May 31, Thursday	Session of the School of Law ends.
May 30, Wednesday	Memorial Day: a holiday.
June 13, Wednesday	Final examinations begin.
June 24, Sunday	Baccalaureate Sermon, 11 A. M.
June 25, Monday	Field Day, 2 P. M.; Recital of School of Music, 8 P. M.
June 26, Tuesday	Alumni business meeting, 10 A. M.; President's Reception, 3 P. M.; Failing-Beekman Contest, 8 P. M.
June 27, Wednesday	Commencement Exercises, 10 A. M.; Alumni Banquet, 1 P. M.; Alumni Ball, 9 P. M.

## OFFICERS OF THE UNIVERSITY

### THE BOARD OF REGENTS

#### OFFICERS

HON. ROBERT S. BEAN, President.  
 HON. STUART B. EAKIN, Treasurer.  
 HON. JOSHUA J. WALTON, Secretary.

#### EXECUTIVE COMMITTEE

HON. SAMSON H. FRIENDLY, Chairman.  
 HON. CYRUS A. DOLPH,  
 HON. J. C. AINSWORTH.

#### MEMBERS

NAMES AND ADDRESS.	TERM EXPIRES
HON. SAMSON H. FRIENDLY, Eugene.....	April 15, 1907
HON. NEHEMIAH L. BUTLER, Monmouth.....	April 15, 1911
HON. JAMES W. HAMILTON, Roseburg.....	April 1, 1913
HON. CYRUS A. DOLPH, Portland.....	April 15, 1915
HON. WILLIAM SMITH, Baker City.....	April 15, 1915
HON. FREDERICK V. HOLMAN, Portland.....	April 15, 1915
HON. ROBERT S. BEAN, Eugene.....	April 15, 1917
HON. J. C. AINSWORTH, Portland.....	April 15, 1917
HON. MILTON A. MILLER, Lebanon.....	April 15, 1917





## OFFICERS OF INSTRUCTION

### THE FACULTY

P. L. CAMPBELL, A. B., Harvard President of the University	Eugene	
JAMES FRANCIS BELL, M. D., L. R. C. P., London Professor of Materia Medica and Therapeutics	Portland	
OTTO SALY BINSWANGER, Ph. D., M. D. Professor of Chemistry and Toxicology	Portland	
WILLIAM PINGRY BOYNTON, Ph. D., Clark Assistant Professor of Physics and Mathematics	Eugene	✓
LUELLA CLAY CARSON, M. A., Oregon Professor of Rhetoric and American Literature	Eugene	✓
THOMAS CONDON, Ph. D., Pacific Professor of Geology	Eugene	✓
RICHARD HAROLD DEARBORN, M. E., Cornell Assistant Professor of Electrical and Mechanical Engineering	Eugene	✓
EDGAR EZEKIEL DECOU, M. S., Chicago Professor of Mathematics	Eugene	✓
FREDERIC STANLEY DUNN, M. A., Harvard Professor of Latin	Eugene	✓
WILLIAM DAVID FENTON, Lecturer on Medical Jurisprudence	Portland	
CHARLES FRIEDEL, Ph. D., Leipsic Professor of Physics	Eugene	✓
C. U. GANTENBEIN, L.L. B., Oregon Professor of Common Law and Law of Contracts and Evidence	Portland	
ANDREW JACKSON GIESEY, M. D. Professor of Clinical Gynaecology	Portland	
WILLIAM BALL GILBERT Lecturer on Constitutional Law	Portland	

## UNIVERSITY OF OREGON

- ✓ IRVING MACKAY GLEN, M. A., Oregon  
Professor of English Language and Early English Literature  
Eugene
- ✓ BENJAMIN JAMES HAWTHORNE, M. A., Randolph Macon  
Professor of Psychology  
Eugene
- ✓ HERBERT CROMBIE HOWE, B. A., Cornell  
Professor of English Literature  
Eugene
- ✓ JAMES MACDONALD HYDE, B. A., Stanford  
Assistant Professor of Economic Geology and Mining  
Eugene
- HENRY E. JONES, M. D.  
Emeritus Professor of Clinical Gynaecology  
Portland
- WILLIAM JONES, M. D.  
Professor of Clinical Surgery  
Portland
- SIMEON EDWARD JOSEPHI, M. D.  
Professor of Obstetrics and Nervous Diseases  
Portland
- EDMUND JOHN LABBE, M. D.  
Professor of General Anatomy  
Portland
- KENNETH ALEXANDER J. MACKENZIE, E. M., C. H., L. C. P. and  
L. R. C. S., Edinburg  
Professor of Theory and Practice of Clinical Medicine  
Portland
- ✓ EDWARD HIRAM MCALISTER, M. A., Oregon  
Professor of Applied Mathematics and Civil Engineering  
Eugene
- HENRY H. NORTHUP, L.L. B., Columbia  
Lecturer on Pleadings  
Portland
- RICHARD NUNN, B. A., B. C. H., M. D.  
Professor of Diseases of the Eye, Ear, Nose and Throat  
Portland
- WILLIAM HENRY SAYLOR, M. D.  
Professor of Clinical Surgery  
Portland
- ALFRED F. SEARS, L.L. B., Boston  
Lecturer on Equity  
Portland
- ✓ JOSEPH SCHAFER, M. L., Wisconsin  
Assistant Professor of History  
Eugene

FRIEDRICH GEORGE G. SCHMIDT, Ph. D., Johns Hopkins	Eugene	✓
Professor of Modern Languages and Literature		
HENRY DAVIDSON SHELDON, Ph. D., Clark	Eugene	✓
Assistant Professor of Philosophy and Education		
ORIN FLETCHER STAFFORD, B. A., Kansas	Eugene	✓
Assistant Professor of Chemistry		
JOHN STRAUB, M. A., Mercersburg	Eugene	✓
Professor of Greek Language and Literature		
ALBERT RADDIN SWEETSER, M. A., Wesleyan	Eugene	✓
Professor of Biology		
ERNEST FANNING TUCKER, M. D.	Portland	
Professor of Gynaecology		
GEORGE MILTON WELLS, M. D.	Portland	
Professor of Paediatrics		
JOHN WILLIAM WHALLEY	Portland	
Lecturer, on Pleadings		
HOLT COUCH WILSON, M. D.	Portland	
Professor of Principles and Practice of Surgery		
GEORGE FLANDERS WILSON, M. D.	Portland	
Professor of Military, Operative and Clinical Surgery		
FREDERICK GEORGE YOUNG, B. A., Johns Hopkins	Eugene	✓
Professor of Economics and Sociology		

### INSTRUCTORS AND ASSISTANTS

PERCY PAGET ADAMS, B. S., Oregon	Eugene	✓
Instructor in Civil Engineering		
JOHN F. BOVARD, B. S., California	Eugene	
Assistant Instructor in Biology		
CHARLES ARTHUR BURDEN	Eugene	✓
Director of Physical Education		
CHARLES W. CONVERSE, B. A., Oregon	Eugene	✓
Instructor in Mechanical Engineering		
FRANK D. FRAZER, M. A., Princeton	Eugene	
Instructor in Mathematics		

## UNIVERSITY OF OREGON

	EDWARD PAYSON GEARY, M. D. Lecturer of Physical Diagnosis	Portland
✓	CAMILLA LEACH Librarian and Instructor in History of Art	Eugene
	ALBERT EDWARD MACKAY, M. D. Lecturer on Bacteriology	Portland
	ALEXANDER DONALD MACKENZIE Lecturer on Clinical Medicine	Portland
✓	ELLA E. MCALISTER Assistant Instructor in Piano	Eugene
	SUSIE FENNEL PIPES Instructor in Violin	Eugene
	IDA BEL ROE, B. A., Oregon Instructor in English	Eugene
	LOUIS ARTHUR SHANE, M. D. Assistant Demonstrator of Anatomy	Portland
✓	BERTHA ELLSWORTH SLATER, B. A., Oregon Assistant Instructor in English	Eugene
	ANDREW CHARLES SMITH, M. D. Lecturer on Clinical Surgery	Portland
	EVA I. STINSON, B. M. Instructor in Voice	Eugene
✓	SIBYL THURSTON, M. A., Oregon Assistant Instructor in Romance Languages	Eugene
	CORTES HOLIDAY WHEELER, M. D. Lecturer on Hygiene	Portland
	WALTER LINCOLN WHITTLESEY, B. A., Oregon Assistant Instructor in Economics	Eugene
	JAMES OSCAR WILEY, M. D. Lecturer on Osteology and Syndesmology	Portland
	ABBY WHITESIDE, B. M. Instructor in Piano	Eugene
	WILLIAM REED VEAZEY, B. A., Westminster College Assistant Instructor in Chemistry	Eugene
	ROBERT CLARK YENNEY, M. D. Lecturer on Histology and Pathology	Portland
	JAMES CULLEN ZAN Lecturer on Dermatology	Portland

# THE UNIVERSITY OF OREGON

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## INTRODUCTION

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### HISTORICAL SKETCH

The University of Oregon was established by act of the state legislature October 19, 1872, and located at Eugene. Deady Hall, the first University building, was erected by the citizens of Lane County, and presented to the Board of Regents in July, 1876. In September of the same year, the University opened its doors for the reception of students. The first class was graduated in June, 1878.

The equipment of the University was at first very small, and the courses of instruction were limited practically to literary lines. The University grew rapidly, and the demand for a broader curriculum was met by the addition of engineering, scientific, and technical courses. The Law School was established in 1884, and the Medical School in 1887. With the growth and development of the state, the University has increased in numbers and financial resources. Buildings have been erected, new departments added, and a large equipment installed.

The most important single gift to the University was that of \$50,000 made by Henry Villard in 1883 for general endowment.

During the early years of the institution, the only high schools in the state were located in two or three of the larger cities, and it was necessary for the University to offer academic courses in order that students graduating from the schools in the smaller towns might continue their work by coming directly to the University. As the high school system of the state developed, it became possible to discontinue the first year of the academy course; a little later the second year was dropped; and finally in 1904 the academy was entirely abolished.

A similar growth may be seen in the evolution of the present course of study. When the University first opened its doors in 1876, the work of the different courses was practically all required. After

a few years, options were allowed in the choice of language groups, and substitutions were permitted for some of the technical requirements. Later a great number of possible combinations of required courses were offered, with a few elective hours. Then came the group system with the work of the first two years required, and the greater portion of the last two years elective, except for a major elective requirement.

Finally, during the past year, the University has adopted practically a free elective system of undergraduate study, with a major requirement not to exceed one-third of the one hundred and twenty semester hours necessary for graduation. The only specific requirements, besides the major, are four semester hours of gymnasium work, and two year-courses in some language other than English. It is expected that by means of the major requirement, the University will be able to give a wise direction to the student's chosen line of work. On the other hand, the limit placed on the amount of required work encourages the enlargement of the student's field of study, and makes possible a broad, general, culture.

### THE UNIVERSITY AND THE STATE

The aim of the University of Oregon in its relation to the educational system of the state is two-fold: First, to supplement the work of the high schools with a four years' university course. Second, to encourage graduate study. In the state's public school system, the University sustains a similar relation to the high schools that the high schools sustain to the grammar grades. As those who have passed through the grammar grades may continue their studies in the high schools, so those who have completed the full high school course may advance to the opportunities offered by the University. In a word, the University (exclusive of the Graduate School) embraces the thirteenth, fourteenth, fifteenth and sixteenth grades of the public school system. It completes the work begun in the grammar schools and continued in the high schools.

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

In addition to its work as a part of the public school system, the University attempts to aid in the state's development by gathering exact and detailed information concerning its industrial resources,

and by investigating, through its several departments, such civic and industrial problems as are of special interest to the people of the state.

### GOVERNMENT

The government of the institution rests upon the inherent obligations of students to the University and to the state. The University is maintained at the public expense for the public good. Those who participate in its benefits are expected, as a matter of honor, not only to fulfill the obligations of loyal members of the institution, of the community, and of the commonwealth, but actively to aid in promoting intellectual and moral interests. Every student owes to the public a full equivalent for its expenditure in his behalf, in the form of superior usefulness to it, both while in the institution and afterwards. Students, therefore, can not claim any exemption from the duties of good citizens and loyal members of the community and of the University; on the contrary, they are under peculiar obligations loyally to fulfill every duty. As members of the institution, they are held responsible for regular attendance and the proper performance of their duties. As members of the community, students are amenable to the law; and, if guilty of its infraction, are liable to a termination of their relations with the University. The University recognizes its civic relations and rests its administration upon civic obligations.

### BUILDINGS AND GROUNDS

The University of Oregon is located at Eugene, at the head of the Willamette Valley, 123 miles south of Portland. Eugene is the county seat of Lane county, and has a population of about six thousand. It is one of the most prosperous towns in Oregon, but above all is a city of homes, with a sincere pride in its reputation as an ideal place in which to live. The University grounds are situated about one mile south-east of the center of the city. The buildings crown a grassy slope; the Willamette River flows along the border of the campus; and the Three Sisters and the peaks of the Coast Range are in full view.

The following buildings are located on the University grounds:

*Deady Hall*, a three story building, which was presented to the state by the citizens of Lane county, was named in honor of Matthew P. Deady, the first President of the Board of Regents. It contains the Biological and Physical laboratories, and the departments of Latin, Greek, French, German, and English Literature.



*Villard Hall*, erected in 1885, was named in honor of Henry Villard, the greatest individual donor to the University's endowment. It is an imposing cemented brick building, and contains the offices of the President, the Registrar, the Steward, the Assembly Hall of the University, the very valuable geological collection, and the departments of Rhetoric and American Literature, Early English Language, Economics and Sociology, Geology, and Mathematics.

*McClure Hall* was built in 1900. It is devoted to the departments of Chemistry and Mining, and is admirably adapted to its purpose. It has three floors, with laboratory facilities for 200 students, and contains the latest appliances for research work in all lines of mining and manufacturing chemistry. It has hoods and ventilators for carrying off gases, electric motors for operating machinery, and is modern in every respect. It contains all the departments of Chemistry and Mining, and will make possible a great expansion in Mining, Metallurgy and Assaying. The upper floor for the present is used as class rooms in Philosophy and Education, History, Psychology, and also for the Psychological laboratory.

*Mechanical Hall*, erected in 1901, contains the central heating and lighting plant of the University, and the departments of Civil and Electrical Engineering. The shops are run by electricity and are well equipped with tools and machinery.

*The Timber Testing Station* established by the state legislature at its last session will be erected during the present summer, and will be in readiness for work during the year 1905-6. The Testing Laboratory will be equipped with the latest machines and appliances necessary for testing the strength of timber, stone, and metals. The official tests will be made under the supervision of an engineer from the United States Bureau of Forestry.

*The Gymnasium* is a brick building well fitted with the best apparatus for indoor athletic work. The new athletic field has a four-lap track surrounding a well constructed football field. The Alumni Association of the University has recently erected a grand stand on the athletic field at a cost of \$1050.

*The Dormitory*, erected in 1893, is a three-story brick building, equipped with electric lights, steam heat, hot and cold baths, well furnished parlors, and every convenience for the comfort of its guests.

*Collier Hall*, the President's House, is situated on the part of

the campus south of Thirteenth street, and is surrounded by grounds covering nine and one-half acres.

The University operates its own electric light, gas, and water plants.

A local station of the United States Weather Bureau is located on the campus.

### **LIBRARY AND READING ROOM**

The Libraries of the University contain about 16,000 volumes. The Dewey system of classification has been adopted, and a card catalogue enables students to make ready use of the books. The Library is a depository for all documents published by the Government at Washington, and receives a large number every year.

Special Department Libraries are being accumulated which are provided with reserve shelves in the General Library. Pool's Index and the annual library indexes have been provided, and there is a valuable collection of bound periodicals. The list of encyclopedias and strictly reference books numbers over 200 volumes. The Literary Societies of the University have accumulated libraries of considerable value, which are accommodated in special alcoves of the General Library. The Society Libraries number nearly 1,000 volumes.

Instructors in the University, students and resident graduates are entitled to draw books from the Library. To others it is a Reference Library only. Students may draw three volumes at a time, to be retained for three weeks, with the privilege of one renewal. The Library is open every day during term time, from 8:30 A. M. to 5 P. M., and on Saturday from 8:30 A. M. to 12:00 M.

The University Reading Room contains a large assortment of American and foreign newspapers and periodicals. They include weekly and monthly magazines and reviews on General Literature, Sociology, Political Science, History, Economics, Chemistry, Biology, Physics, Engineering, Education, Philosophy, Psychology, French, German, etc.

The reading room will be open every day in term time, from 8:30 A. M. to 5 P. M., excepting Sunday.

### **MUSEUMS**

Dr. Condon's Geological Collection is especially rich in fossils of Oregon, and is the largest collection of specimens of the Northwest in existence.

The Howell collection of the Flora of Oregon contains about ten thousand type specimens of the flora of the Northwest.

Under its supervision is the football team, the track team, the baseball nine, basketball team, tennis club and indoor baseball club.

The University of Oregon has become a member of the Northwest Intercollegiate Athletic Association, representing the leading universities and colleges of Oregon, Idaho, and Washington.

#### MUSICAL

*The University of Oregon Glee Club* is a student organization, open to all students who are successful in the tryout held during the first week of each University year. A yearly Thanksgiving concert is given by the club, and a tour is usually made during the Christmas holidays by a team of sixteen, selected by the director.

The yearly selection of officers is held at the beginning of each school year. All officers except the director are chosen from the membership of the club. The club is under the direction of Irving M. Glen, Professor of Early English Literature and Dean of the School of Music.

*The Treble Clef*, a musical club for women, was organized during 1900. It consists of sixteen voices, four on each part, and is under the direction of Miss Stinson, of the University School of Music. Regular practice is held throughout the year, and an annual concert is given just before the Easter holidays.

#### MISCELLANEOUS

*The Societas Quirinalis* is a classical club, composed only of advanced students in Greek and Latin, for the purpose of furthering and fostering the pursuit of classical studies and for the social intercourse of students in that department of work. The Quirinalis meets on the first Tuesday of each month during the college year, social sessions alternating with public lectures and meetings, at which papers on special topics are read by selected members.

*A General Assembly* of the University is held each Wednesday at 10:00 A. M. Appropriate exercises are held and interesting and important addresses made by invited guests, or by the President and members of the Faculty of the University.

*Lectures.*—Frequent lectures by invited guests from Oregon and other states are given to students upon subjects allied to the course given in the University. These lectures are by those fitted by training and experience to speak with authority.

*Recitals.*—The School of Music gives recitals at stated times during the year, to which all students of the University are invited.

*The Alumni Association* of the University of Oregon was organized in 1879. The membership consists of all the graduates of the University. The objects of the association are to “advance the cause of higher education, to promote the interests of the University of Oregon, and to encourage mutual acquaintance and good-fellowship among the alumni.”

*The Student-Body* exercises general control over all student affairs within the University. The general management of its affairs is entrusted to an Executive Committee, consisting of a President, Vice President, and Secretary. Officers are elected on the third Friday in May of each year.

## ORGANIZATION

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### GRADUATE SCHOOL.

### COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS :

General Courses in Liberal Arts.

Special Courses, including,

Course Preparatory to Medicine.

Course in Education.

Course Preparatory to Law.

Course Preparatory to Journalism.

School of Commerce.

### COLLEGE OF ENGINEERING :

Civil Engineering.

Electrical and Mechanical Engineering.

Mining Engineering.

Chemical Engineering.

### SCHOOL OF MUSIC :

General Courses in Theory and Harmony.

Piano.

Voice.

Violin.

### SCHOOL OF MEDICINE.

A four years' course.

### SCHOOL OF LAW.

A two years' course.

## THE GRADUATE SCHOOL

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### FACULTY

The faculty of each school or college consists of the President of the University, and the resident professors and other teachers giving instruction in the college.

### ORGANIZATION

The Graduate School of the University of Oregon was organized to offer advanced instruction upon the basis of work completed in the College of Literature, Science, and the Arts, the College of Science and Engineering, and the School of Mines and Mining. It meets the threefold purpose of extending general culture, for which the degree Master of Arts is granted; of encouraging the mastery of a specialty, for which the degrees Master of Science, Doctor of Philosophy, and the different Engineering degrees are granted; and of providing for those who desire a more thorough acquaintance with particular subjects than is offered in undergraduate work, but are not candidates for degrees.

### ADMISSION

Graduates of the University, or other colleges or universities regularly authorized to grant Bachelor's degrees, and others who can give satisfactory evidence that they have an equivalent preparation, are admitted to the Graduate School on the recommendation of the President and the Graduate Council; provided always, that the President and Council may prescribe for the candidate such preliminary work as they may deem necessary for entrance upon this course.

The candidate shall present his diploma and other credentials to the President and Council with an application showing his proposed work, as approved by the heads of the departments in which his major and minor subjects lie.

### THE MASTER'S DEGREE

The Degree of Master of Arts or Master of Sciences will be granted only after at least one full year's graduate work. The candidate must have completed with *high credit* seventeen hours per week or their equivalent (of which the thesis may count as high as seven) chosen from the courses of graduate study; other courses may be offered only by the special consent of the departments concerned,

and with the approval of the Graduate Council; but courses for which a professional certificate or diploma is given will not be counted toward this degree. Work may be confined to a single department, and may not be distributed among more than three. No later than the first of June preceding the Commencement at which the degree is to be taken, he must present to the head of the department in which his major study has been a type-written thesis which must embody scholarly research on some topic connected with that study. The thesis must be favorably passed upon by a committee made up of the heads of departments in which he has worked. The candidate must, before the degree is granted, pass a satisfactory examination, either oral or written, and, if required, before the committee which passed on his thesis.

Until further notice, in exceptional cases the degree of Master of Arts will be granted for work in *absentia* to those who fulfill the conditions for entrance to the Graduate School and pay the incidental fee; provided, the candidacy be approved by the President and Graduate Council; the proposed outline of work cover a full college year, and be approved in advance by the department concerned; and the candidate shall present himself at the University for examination, deposit a type-written thesis embodying scholarly research, and pay the diploma fee.

### ENGINEERING DEGREES

Bachelors of Science in Engineering of this University, or of other colleges or universities of equal rank, may receive at the expiration of one additional year of study the professional degree of Civil Engineer, Electrical Engineer, Chemical Engineer or Mining Engineer, appropriate to the undergraduate course taken, in accordance with the requirements prescribed in the College of Engineering.

Bachelors of Science in Engineering may receive the professional degree named above without the additional year of study at the University, who have spent at least three years actual time in professional practice in positions of responsibility, in the designing, construction or operation of engineering works, and who shall furnish details of satisfactory evidence as to the nature and extent of this practice.

They must submit an engineering thesis accompanied by detailed explanations, drawings, specifications, estimates, etc., embodying the results of their work or observations. If approved, the thesis and all accompanying material shall be the property of the University. All theses for any degree must be delivered to the Dean of the College of Engineering on or before the 15th day of May.

**DEGREE OF DOCTOR OF PHILOSOPHY**

Beginning with the year 1900-1901, the degree of Doctor of Philosophy was opened to graduate students under the following conditions :

1. The candidate must be a baccalaureate graduate of this University or of a college or university whose degrees are accepted as equivalent to its own; or he must give satisfactory evidence to the Graduate Council that he possesses an equivalent preparation for graduate work.

2. He must make application to the Dean of the Graduate School before the first day of October preceding the Commencement at which he intends to present himself for the degree, and must then give satisfactory evidence of his ability to read such German and French as may be necessary for the proper prosecution of his studies.

3. He must have spent at least three full years in graduate work at this or some other approved university; the last year must be spent as a resident student of this University. The time spent in attaining the degree A. M. may be counted toward satisfying this time condition.

4. He must present a thesis showing the results of original research of a high character, and must pass acceptable examinations, both written and oral, in one chief or major study and two allied, subsidiary, or minor studies, not more than two of which may be in the same department. The oral examination shall be before the Faculty of the Graduate School, where he may be required to defend his thesis. The thesis, embodying the results of original research in some subject connected with his major study, must be presented to the head of the department in which the work was done not later than the 1st of May preceding the Commencement at which the degree is to be conferred, and if approved by him is to be placed on file for inspection in the Library for at least two weeks. If finally approved, not less than 100 printed copies must be delivered to the Librarian of the University, before graduation, or proper security be given for the printing of that number; provided, that if the thesis has already been printed, ten copies only shall be deposited with the Librarian.



## **THE COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS**

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### **FACULTY**

The Faculty of each College consists of the President of the University and the professors, assistant professors and instructors giving instruction in the College.

### **ORGANIZATION**

The College of Literature, Science, and the Arts includes the following departments:

Biology, Chemistry, English, including Rhetoric and American Literature, English Language and Early English Literature, and English Literature, Economics and Sociology, Education, French, Geology, German, Greek, History, Latin, Mathematics, Philosophy, Psychology, Physics.

### **SPECIAL COURSES**

A number of courses specially preparatory to professional work are outlined by the various departments.

#### **COURSE PREPARATORY TO MEDICINE**

Students expecting to study medicine should make Biology their major subject. The pre-medical studies offered by the department prepare the student to anticipate one year in the Medical School of the University of Oregon and are also accepted by many of the standard Medical Colleges as the equivalent of one year's work of the regular four years' course.

#### **COURSE IN EDUCATION**

The rapid growth of the high schools of the state has created an urgent need for teachers with special training in methods of high school organization and instruction. It is the aim of the University of Oregon to meet this need by offering a special course in Education, in which instruction will be given in history of method, administrative problems, organization, and such courses as will prepare teachers especially for work in the high schools. In addition to the strictly professional work, the department of Education offers two general outlines of special preparation for teaching; one for students prepar-

ing to teach English, History, or Modern Languages, and the other for those preparing to teach Science or Mathematics.

The University conducts a Teachers' Bureau for the purpose of bringing its students and graduates to the notice of school officers desiring capable teachers. The calls made on the bureau for high school principals and teachers are usually in excess of the supply

#### **COURSE PREPARATORY TO LAW**

Not only does any course leading to an A. B. degree give a great advantage to the student of law, as the requirements for admission to the best law schools indicate, but a college course arranged especially with the study of law in view can be made of great additional value. The student familiar with the political, economic, and social conditions and institutions that have determined the development of law will have a grasp of the principles of law, and will naturally pursue a method in future study that will make possible much higher efficiency in his profession. The departments of Economics and History offer the courses which constitute this basic study in preparation for law. The department of English offers the opportunity to gain a mastery of clear analytical expression of thought, peculiarly valuable to the lawyer.

#### **COURSE PREPARATORY TO JOURNALISM**

The departments of English outline courses suited to the needs of those expecting to enter journalism. A liberal preparation for journalism includes work in many departments, but the general supervision rests naturally with the special English department of Rhetoric.

Composition, Literature, History, Economics, and the languages constitute a large part of the course.

#### **SCHOOL OF COMMERCE**

The different branches of the public service like the civil and consular service, and the various lines of industrial and commercial pursuits, like banking, transportation, domestic and foreign commerce, are rapidly approximating the character of professions. To achieve the largest measure of success in these and meet the requirements of highest citizenship the principles of the social, physical, and mathematical sciences concerned must be possessed and applied. Modern industrial processes, methods and organization are changing rapidly in magnitude, complexion, and social character in relation to public good. The historical, social, economic, political, and scientific studies and improvements in educational methods are fortunately keeping pace in their development with the requirements of the

business world. Hence the University departments concerned are outlining combinations of courses that will meet closely the special needs of young men aiming towards business courses in industrial and commercial fields.

### ADMISSION

*Methods of Admission.*—There are two ways of entrance to the University: first, by examination; second, by recommendation from accredited schools without examination. All students from schools not accredited to the University are subject to examination at the University. The examination will be held during the first week of the college year.

*Accredited High Schools.*—It is the policy of the University to so adjust its standard of entrance requirements as not to be out of touch with the schools of the state that do earnest work, and at the same time to protect the scholarship of the University. It will also be the policy, as far as possible, to make the accrediting uniform for the various departments. Schools, therefore, that have a four years' course, with a nine months' year, and subjects running for a half year or more, five times per week, with recitations forty minutes long, and which have the subjects in the state high school course, or their equivalent, will, as far as possible, have their students admitted to the freshman class in the University.

Schools which do not have a nine months' year, five recitations a week, with forty minutes to each recitation, and which have short time subjects running ten, twelve, or fourteen weeks each, will be given proportional accrediting, depending upon the time given and the quality of the work done. The state high school course is the basis of the requirements for entrance to the University and the adoption of the state course would at once simplify the passage of students from high schools into the University, and settle almost, if not quite all the questions as to accrediting. It is earnestly hoped therefore, that all high schools will adopt the state course.

*College Credit for Extra Entrance Subjects.*—Credit for work done above entrance requirements, in subjects not preparatory, may be granted by the heads of departments at their discretion. An application blank for advanced standing will be furnished by the Registrar.

## REQUIREMENTS FOR ENTRANCE TO THE FRESHMAN CLASS

*English.*—Every student at the beginning of his freshman year shall satisfactorily pass an examination testing facility and accuracy in the use of English; or, he may waive this requirement by taking a course of two semester hours in English during his freshman year, for which college credit will be given.

*Number of Units Required.*—For entrance to the Freshman Class, fifteen units will be required; provided, that conditions amounting to two units may be allowed, if the applicant's work is otherwise satisfactory.

By a unit is meant a subject running one year (36 weeks) five times a week, with recitations not less than forty minutes in length.

### ENTRANCE SUBJECTS

English.....	4	units.
Algebra (Wells' Essentials).....	1½	“
Geometry, Plane and Solid.....	1½	“
History, Greek and Roman, and Mediæval with special reference to England, or American History and Constitution.....	2	“
Physical Geography.....	1	“
*Botany or Physics.....	1	“
†Latin.....	2	“
	13	units.

The balance of the fifteen units must be made up from the following:

Latin.....	1 or 2	units.
German.....	1 or 2	“
Botany.....	1	“
Physics or Chemistry.....	1	“
History, Modern.....	1	“
History, American and Constitution.....	1	“

\*In the Engineering groups, Physics is required; in the Pre-Medical course, Botany is required.

\*French or German may be substituted for Latin as an entrance requirement in the Engineering groups.

Zoology	½ unit.
Astronomy	½ "
Geology	½ "
Physiology	½ "
Higher Arithmetic	½ "
Elementary Political Economy	½ "
Book Keeping	½ "
Drawing, Mechanical or Free Hand	½ "

By combining any two-----I unit

#### DETAILED LIST OF ENTRANCE SUBJECTS

*English.*—All regular students must present four units (twenty hours) of entrance English. The entrance English requirements will conform to the state high school course.

All students entering advanced college classes must be accredited with English done elsewhere or fulfill entrance conditions here, through examination or work in class. All freshmen entering the University will be examined in English composition (except such as prefer to elect a freshman course in English composition of, at least, two semester hours). The examination is designed to test the student's ability to write clear, correct, idiomatic English. He will be asked to write two essays of not less than two hundred words each, one upon some familiar subject drawn from his experience or observation and the other upon a subject selected from the books mentioned below. These essays will be tested on the following points: The language must be clear and grammatical; the spelling, punctuation, and capitalization must be reasonably correct; choice of words must show discrimination; sentences and paragraphs must be constructed in accordance with the simpler principles of composition. The essays must show ability to organize thought consecutively. (A topical outline may accompany each essay.)

No student will be passed whose work shows serious defects in spelling, punctuation, grammar, and structure of sentences and paragraphs, or who presents illegible or untidy manuscript.

As preparation for satisfactory work in the University, constant and regular practice in writing is earnestly recommended. Throughout the four years of the high school course the student should write exercises and revise them after correction by the teacher so as to secure accuracy and self-reliance. The subjects upon which the student writes should be drawn from both literature and daily life and experience, and some degree of ability should be secured in each of the types of discourses: description, narration, exposition, and argument.

The fundamental principles of grammar should be mastered in theory and practice. Such principles of rhetoric as are adapted to the student's practical use should be emphasized; principles that make his speech and writing definite and effective, such as good usage in choice of words, correct sentential structure and paragraphing, and outlining of thought. (A university bulletin treating of preparatory English in detail will be sent on application, also library lists for all the grades of the grammar and the high schools.)

It is hoped that the high schools will find the following classification of entrance requirements valuable. It is suggested that under "Books for Thorough Study" the work shall take note of the following points: (a) The language, including the meaning of words and sentences, the important qualities of style, and the important allusions; (b) The plan of the work, i. e., its structure and method; (c) The place of the work in literary history, the circumstances of its production, and the life of its author; and that all details be studied, not as ends in themselves, but as means to a comprehension of the whole.

## NINTH GRADE

## I. Books for General Reading and Composition work.

Dickens: Christmas Carol.

Lowell: Vision of Sir Launfal.

Goldsmith: Vicar of Wakefield.

Hawthorne: The House of the Seven Gables.

Whittier: Snowbound and other poems.

## II. Books for thorough study.

Shakespeare: Merchant of Venice.

Franklin: Autobiography.

## TENTH GRADE

## I. Books for General Reading and Composition Work.

Longfellow: Tales of the Wayside Inn.

Addison: Sir Roger de Coverly.

Shakespeare: Julius Cæsar.

Holmes: Selected Poems.

## II. Books for Thorough Study.

Burke: Conciliation of America.

Lincoln: Gettysburg, Inaugural and other Speeches.

Macaulay: Essay on Addison.

Pope: Homer's Illiad, I, VI, XXII, XXIV.

## ELEVENTH GRADE

## I. Books for General Reading and Composition Work.

Tennyson: Enoch Arden and Other Poems.

Emerson: Two Selected Essays.

Carlyle: Essay on Burns.

Burns: Cotter's Saturday Night and Other Poems.

Hanson: Essay on Burns and Selected Poem from Burns.

DeQuincy: Revolt of the Tartars.

## II. Books for Thorough Study.

Webster: Reply to Hayne.

Shakespeare: As You Like It.

Macaulay: Essay on Milton.

Milton: L'Allegro, Il Penseroso, Comus and Lycidas.

## TWELFTH GRADE

## I. Books for General Reading and Composition Work :

Cooper : Last of the Mohicans.

Elliott : Silas Marner.

Tennyson : The Princess.

Coleridge : Ancient Mariner.

Scott : Ivanhoe.

Bunyan : Pilgrim's Progress.

## II. Books for Thorough Study.

Shakespeare : Macbeth.

Emerson : The American Scholar.

Milton : Paradise Lost, I and II.

Western Authors : Five Selected Poems.

*Algebra.*—The requirements in Algebra embrace the following subjects: Factors, common divisors and multiples, fractions, involution, including the binomial theorem for positive integral exponents; evolution, theory of exponents, radicals and equations involving radicals, ratio and proportion, elementary logarithms; the ordinary methods of elimination, and the solution of numerical and literal equations of the first and second degrees, with one or more unknown numbers, and problems leading to such equations.

Work based on any of the following text-books will be accepted, the work to have five full recitation periods per week for a year and a half, a school year to be at least thirty-six weeks, and a recitation to be at least forty minutes in length.

Wentworth's Complete Algebra, completed, except chapters 22 to 34 inclusive; Well's New Higher Algebra, completed, except chap-

ters 36 to 40 inclusive ; and Well's Essentials of Algebra, the state text-book.

*Plane and Solid Geometry.*—A course based on any one of the following text-books will be accepted ; the work to cover five recitations per week for one and a half years.

Wentworth's *Plane and Solid Geometry*, edition of 1899, completed, including two-thirds of the exercises ; Philipps and Fisher's *Abridged Geometry*, completed, including all problems ; Well's *Essentials of Plane and Solid Geometry*, completed, including all exercises.

The student should be required to state definitions clearly, whether in the language of the text-books or not, and in solving a problem or proving a proposition he should be able to prove every statement made. All figures should be constructed by the student with strict accuracy, on correct geometrical principles, using rule and compass ; and this should be persisted in until it can be done with ease. Pains should be taken that original demonstrations be given in good form. Besides oral recitations, the student should be required carefully to write out his own demonstrations, and to apply geometrical principles to the solution of practical and numerical examples. He should be required to demonstrate propositions and solve problems without the aid of the text-book.

*History.*—Five recitations a week for two years. Any of the following :

1. Greek and Roman, with connected geography. (a) Greek History to death of Alexander ; (b) Roman History to A. D. 800. Botsford's *Greek History* and Botsford's *Roman History* are the state texts.

Students preparing for the University in History are strongly urged to take Greek and Roman History.

2. Mediæval and Modern History.—The following indicate the preparation required : Myers' *Mediæval and Modern History*, Fischer's *Growth of Nations*, Adams' *European history*.

3. English History.—Ground covered in *History of England* by Coman and Kendall.

4. American History and Constitution.—Montgomery's *Student's History of the United States*, Channing's *Student's History of the United States*, or some book of like nature, provided a more elementary History has been previously studied. Otherwise some briefer standard high school History. Strong and Schafer's *Government of the American People*.



In all cases the text-book should never be depended upon entirely ; supplementary work should be done with one or two other text-books, and at least one large General History for reference. See the Report of Committee of Seven on the Study of History in Schools.

*Science.*—Five recitations per week for a year in each subject.

Science work, to be accepted for entrance to the University, must be from a standard high school text book ; thorough laboratory practice is absolutely necessary when the subject allows. Laboratory manuals and note books must be in constant use, and students coming from schools not accredited to the University must present their laboratory note-books, signed by the teacher. In Chemistry, some text equivalent to Remsen's Briefer Course must be used ; in Physics, a text equivalent to Carhart and Chute ; in Botany, to Bergen's Elements ; and in Physical Geography, any standard text.

1. **CHEMISTRY.**—In cases where the Chemistry offered is considered by the head of the department of Chemistry to be the equivalent to Course 1 (see list of courses in Chemistry), the student will be admitted to Course 2, satisfactory work in which will entitle him to one unit college credit in case the preparatory Chemistry was used to fulfill entrance requirements, or to two units college credit in case it was not so used.

**PHYSICS.**—All students who offer for entrance a half year or more of Physics, as laid down in the State High School Course, will receive matriculation credit therefor. It is very desirable, however, that the work should extend over a full year, and should include a substantial amount of laboratory work actually performed by the student.

Students wishing to take Physics in the University are advised to begin their work with Course I, Elementary Physics. If the preparatory work has included a considerable amount of actual work in the laboratory, so selected as to illustrate clearly the important fundamental principles of the science, and is intelligently recorded in a satisfactory note book, the student may be admitted directly to Course 2, General Physics. A knowledge of Trigonometry is required for admission to this course.

Students entering the Course Preparatory to Medicine and Dentistry must either offer both Chemistry and Physics for entrance, or take one or both during their course.

*Greek.*—Five recitations per week each year.

First Year—Greek lessons and Zenophon's Anabasis begun.

Second Year—Zenophon, four books of the Anabasis.

Third Year—Homer, first three books.

*French.*—Five recitations per week for one year. Written exercises and grammar work ; systematic work in French pronunciation, and as much practice in reading as possible to give facility in reading easy French prose.

*German.*—Five recitations per week for one year. Written exercises and grammar work and systematic training in German pronunciation. As much drill as possible in rapid reading of German prose and poetry.

*Latin.*—All students must have two years of Latin before beginning the Freshman year, except in the Engineering groups, in which two years of either French or German will be accepted in place of Latin.

Five recitations a week each year.

First Year—Latin lessons and grammar, and *Viri Romae*, or *Nepos*, or *Cæsar's Gallic War* begun.

Second Year—*Cæsar*, four books.

Third Year—*Cicero*, six or seven orations, including the four against *Cataline*, and *Sallust's Jugurtha*.

Fourth Year—*Vergil*, six books of the *Aeneid*.

### REQUIREMENTS FOR ADMISSION TO SPECIAL STUDENT STANDING

The privileges of a Special Student are not granted to those who come from the schools with insufficient preparation for regular standing. They are intended for those who for any reason are unable to complete a college course, but who are qualified by age, character, practical experience, purpose, and habits of study, to profit by university courses. Such properly qualified persons not candidates for a degree, who fulfill all the requirements for entrance to the Freshman year, may be admitted to the University to pursue one or more college subjects for which they may be fitted ; provided, that persons of maturity, twenty years of age or over, and teachers in public or private schools, may, at the discretion of the Committee on Special Students, enter as special students without conforming to the above requirements, upon presenting satisfactory credentials and testimonials. These requirements shall not apply to special collegiate or other courses where requirements for entrance are specified.

The committee reserve the right to discuss the programme pro-

posed by the student and to require such changes as may in their judgment seem wise. Students other than those of mature years are always required to furnish the committee with evidence that the course proposed subserves a definite object which they have in view.

No student can be accepted without condition whose written English work is seriously defective in point of penmanship, spelling, punctuation, grammar, sentence structure, and paragraphing.

### GRADUATION

The degree of Bachelor of Arts is conferred upon students of the College of Literature, Science, and the Arts, who have been in residence at least one academic year, and who have secured one hundred and twenty semester hours of credit exclusive of physical training; but the degree of Bachelor of Science may be conferred upon students conforming to the requirements enumerated above and electing majors in Natural Science or Mathematics, provided that written request for this degree be filed with the Registrar of the University at least thirty days before the date upon which the degree is to be granted.

### REQUIRED WORK

A semester hour is the credit given for a course consisting of one recitation, lecture, or laboratory period a week for one semester or twenty weeks. Three hours shall constitute a laboratory period.

*Major.*—Every student on entering the University must choose a major subject. The work required in the major subject (including thesis) shall not be less than twenty nor more than forty semester hours.

*Thesis.*—All candidates for the Baccalaureate degree shall present an approved graduating thesis in their major subject. Credit not to exceed four semester hours may be allowed for the preparation of the thesis.

*Physical Training.*—In addition to the one hundred and twenty semester hours required for graduation, four semester hours shall be earned in physical training, two in the Freshman year and two in the Sophomore. In case students are for valid reasons excused from physical training, such students shall earn an equivalent amount of credit in other departments. Two hours in the gymnasium shall be equivalent to one semester hour.

*Language.*—Every candidate for the degree of Bachelor of Arts

shall secure during his Freshman and Sophomore years credit in languages other than English to the extent of 14, 16, 18, or 20 semester hours, which shall be taken in two year-courses.

*Freshman Studies.*—The studies of the Freshman year, except as heretofore provided, shall be chosen from the following list of subjects, consisting of the courses offered by the several departments as Freshman work: Botany 1, Botany 2, Botany 3, Zoology 1, Zoology 2, Chemistry 1, Economics 1, Economics 2, Politics 13, Politics 14, Rhetoric and Composition 1, Rhetoric and Composition 1a, Rhetoric and Composition 1b, Rhetoric and Composition 1c, Rhetoric and Composition 1d, English Literature 1, English Literature 2, Early English Literature 1, Public Speaking 1, Geology 1, Greek 1 or 2, History 1, History 2, Latin A, Latin 1, Latin 2, Mathematics 2, Mathematics 3, German 1 or 2, French 1 or 2, Spanish 1, Italian 1, Physics 1, Physics 2, Physics 3, Psychology 1.

## COLLEGE OF ENGINEERING

### FACULTY

The Faculty of each College consists of the President of the University and professors, and assistant professors, giving instruction in the college.

### ADMISSION

The requirements for admission to the College of Engineering are the same as those for admission to the College of Literature, Science, and the Arts (see page 26), except that candidates may offer two years of either French, German, or Latin, and must have had Elementary Physics. Students who have not had Elementary Physics must take the subject at the University, but it will not count toward graduation.

### GRADUATION

The degree of Bachelor of Science is conferred upon students of the College of Engineering who have secured 120 semester hours of credit, exclusive of four semester hours of required physical training, and including the work required by their major professor.

### DEGREE OF ENGINEER

The professional degree of Engineer is conferred upon graduates of the University, or of other institutions of like rank, who complete

a year of professional study beyond the baccalaureate requirements of the department in which the degree is sought, and who present an approved thesis showing ability to do independent work. †

### EQUIPMENT

The laboratories, cabinets, workshops, drafting rooms, and the large assortment of instruments for field work in surveying, hydrography, and practical astronomy, offer excellent opportunities for effective work in the courses given.

The new Testing Laboratory, established by the last Legislature, will be in readiness for work during the year 1905-6. It will be equipped with the necessary machines and appliances for testing the strength of timber, stone, and metals, the largest machine being a 200,000-lb. universal testing machine.

### COURSES OFFERED

Courses are offered in Civil Engineering, Electrical and Mechanical Engineering, Mining Engineering, and Chemical Engineering. The work of the first two years necessarily consists largely of courses in Mathematics, Physics, Chemistry, Shopwork, and Drawing, which are prerequisite to the technical courses proper. Changes from one course to another are permitted in accordance with the general regulations.

Students whose time and means permit are advised to spend two years or more in the College of Arts, taking courses in Mathematics, Physics, Chemistry, French, German, Economics, History, English, and such other subjects as they may desire. In this way they will secure a broader preparation, and by a proper selection of subjects will be able to complete the Engineering course in three additional years.

### CIVIL ENGINEERING

For description of the courses offered in the department of Civil Engineering, see Civil Engineering under Announcement of Courses. The courses embrace Drawing and Descriptive Geometry, Surveying and Geodesy, Mechanics, Highway and Railway Engineering, Hydraulic and Municipal Engineering, and Structural Engineering.

### MECHANICAL AND ELECTRICAL ENGINEERING

For work offered, and description of equipment in detail, see Mechanical and Electrical Engineering under Announcement of Courses.

**THE SCHOOL OF MINES AND MINING**

The School of Mines, which has been established some seven years, has prospered to an extent that makes necessary an enlargement of its work and equipment. The importance to the state of mining and allied industries makes it of great moment that the best instruction possible be available in these branches within the state.

Arrangements will be made for observation and field work in the mining districts, and, for students who desire to do so, for work in the mines during the summer. The Blue River and Bohemia mining districts are close at hand, and the great mining districts of Eastern and Southern Oregon are easily accessible.

The main attention for the present will be given necessarily to gold and silver mining and metallurgy, although attention will also be given to the metallurgy of iron, steel, and copper. As the number of instructors in the University increases, options will be introduced so that students may specialize in a chosen department of mining.

The demands upon the Mining and Metallurgical Engineer are varied, and it is the policy of the University to give the student the underlying principles of Mathematics, Physics, Chemistry, Mineralogy, Geology, Mining Engineering and Metallurgy, together with some practical knowledge of Civil, Electrical, and Mechanical Engineering. The courses will deal with the problems that actually arise in mining, in the treatment of ores, and in smelting.

See announcement of courses under Mines and Mining.

**CHEMICAL ENGINEERING**

Chemical Engineering is one of the very youngest in the field of special engineering subjects, having been evolved in recent years in response to a constantly increasing demand for men who are not only sufficiently versed in chemical theory to understand the chemistry of technical processes, but who shall at the same time be possessed of such a knowledge of mechanical engineering that they will be enabled to construct whatever machinery or apparatus may be necessary for the most thorough practical application of chemical principles to the various industrial enterprises of the time.

It is to be seen from this characterization of his work that the function of the chemical engineer is a dual one; it has been, indeed, for the very purpose of uniting in a single individual the peculiar qualifications possessed by the laboratory man upon the one hand and the man of practical affairs upon the other,—a union that has been absolutely necessary for the proper co-ordination of laboratory and shop,—that the field of Chemical Engineering was created. That

the creation has been a wise one is demonstrated every day in the constant improvements that are being made in chemico-technical processes,—improvements that are due almost wholly to the efforts of men who have exactly the equipment for work that has been outlined as necessary for the chemical engineer. The extent of the field is so wide, moreover, and the variety of special lines of work that it offers is so great that it should appeal most strongly to young men inclined toward a scientific-industrial career, and this should be especially true in the Pacific Northwest, where resources enormous in magnitude await development.

The department of Chemistry, in co-operation with the engineering departments, directs the course in Chemical Engineering.

## **GENERAL INFORMATION**

### **UNIVERSITY REGULATIONS**

#### **REGISTRATION**

On the appointed Registration Days, in September and February, each student must present himself at the Registrar's office and obtain a *Certificate of Registration*.

#### **STUDY CARD**

At the time of registering, the student receives a blank Study Card for the selection of studies for the semester. This card properly filled out and signed by the student's adviser, (head of department in which the major subject is taken) must be filed with the Registrar within three days of the date of registration. Late Study Cards will not be received unless endorsed by all the instructors under whom work is taken.

#### **ENROLLMENT IN CLASSES**

At the beginning of each semester a student must present his certificate of registration to the instructors of the courses in which he desires to be enrolled, and satisfy the instructor in charge that he has had the prerequisite work.

#### **CHANGE OF STUDIES**

A student desiring to drop a subject or take up a new one after his Study Card has been filed, must obtain the written consent of his adviser and the instructor concerned on a blank form provided by the Registrar's office.

**AMOUNT OF WORK**

The maximum number of semester hours for students in the first three years is 16, minimum 13; for students in the senior class, maximum 16, minimum 12.

**MINIMUM AMOUNT OF WORK ACCEPTED**

Students are required to carry successfully at least nine hours of work during the first semester in order to be allowed to continue in the University during the remainder of the year; and, should a student carry only nine hours successfully during the first semester, he must carry at least twelve hours successfully during the second semester.

**CONDITIONS AND FAILURES**

All failures must be made up within one year.

Examinations for the removal of Conditions will be held on the first Monday and the following Tuesday in December, and on the Monday and Tuesday preceding the regular examination period in the second semester.

Entrance conditions may be made up either at the High School, or under a private tutor approved by the head of the department.

**ADVANCED STANDING**

Advanced standing will be given students coming from institutions of collegiate rank, who can satisfy the heads of the University departments that the courses offered are the equivalents of those given by the University.

**CHANGE OF MAJOR**

A student may change majors at the beginning of any academic year by filing a petition, indicating the proposed change, with the Registrar. Change of major at any other time shall be made only with the consent of the departments concerned, and after action by the University Faculty,

**SCHEDULE OF MARKS**

The following schedule of marks is in force in the University: A equals 95 to 100 per cent; B equals 90 to 95 per cent; C equals 80 to 90 per cent; D equals 70 to 80 per cent; E equals below 70 per cent, and below 70 per cent is failure.

**HONORS:**

Honors will be assigned to graduates as follows:

Students shall graduate *summa cum laude* when at least half



their credits rank A and not more than three credits C, none below; *magna cum laude* when not more than three credits rank below B, and none below C; *cum laude* when not more than three credits rank below C; when a student's credits rank lower than any of the above, he graduates *rite*.

## PRIZES AND MEDALS

### PRIZES

The Failing Prize, not to exceed one hundred and fifty dollars, is the income from a gift of twenty-five hundred dollars made to the University by Hon. Henry Failing, of Portland. It is awarded "to that member of the Senior Class in the Classical, the Scientific, or the Literary Course prescribed by the University, or such courses as may, at the time, be substituted for either of said courses, who shall pronounce the best original oration at the time of his or her graduation."

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

The Bennett Prize is the income from a gift of four hundred dollars made to the University by Hon. Philo Sherman Bennett, of New Haven, Connecticut. It is given for the best student paper on the principles of free government.

### ALUMNI MEDAL

The Alumni Medal is presented annually by the Alumni Association of the University to the best individual student debater. The contest is held in March.

## EXPENSES

### TUITION

There is no tuition at the University of Oregon. The incidental fee, payable each year by students in all departments of the University, is \$10.00. There is also a student-body tax of \$5.00 per year for the support of student enterprises. Graduate students in absentia are not required to pay the student-body tax. The fees in the School of Music vary with the instruction.

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

### LABORATORY FEES

In all laboratory courses, in whatever department, a deposit is required to cover waste and breakage. At the end of the year the balance of the deposit, over and above waste and breakage, will be returned to the student. The amount of the deposit varies according to the courses taken.

### GENERAL EXPENSES

The expenses for one person for a year vary according to the circumstances of the case, but in general are very low. The following estimate is probably substantially accurate: Room, from \$.50 to \$1.50 per week; board from \$2.50 to \$4.00 per week; board and room in Men's Dormitory, \$3.25 to \$3.75 per week; books from \$5.00 to \$12.00 per year. Many students rent rooms and do light housekeeping, thus reducing the cost of living to a very low point. A fair estimate of the yearly expense of those who hire lodgings and board, either in the Dormitory or outside, is \$175.00 to \$250.00 per year. For those who do light housekeeping the cost is materially less.

## SCHOOL OF MUSIC

### FACULTY

The Faculty of each school or college consists of the President of the University and the professors and assistant professors giving instruction therein.

### INSTRUCTION

Instruction is given by private lessons or in classes of two or three. While the class instruction is valuable, the best results are obtained from private lessons. These lessons are forty-five minutes in length and, where it is at all possible, a student should plan to take at least two lessons per week.

### COURSES

The courses are arranged so that the student may become an independent performer and a thorough musician. There are three lines of major work, piano, voice and violin. These courses are to be supplemented by work in theory, harmony, counterpoint and composition. Courses are offered also in elocution and public speaking.

### **ENTRANCE**

Although students will find it to their advantage to enter at the beginning of the year, they may enter at any time, and tuition will be charged from the time of entrance.

### **GRADUATION**

Graduation depends upon proficiency and not upon length of the term of a student's attendance. Students not desiring to pursue the full course may take special courses in any subject offered. The regular work outlined covers four years.

### **CATALOGUE**

Those desiring full information in regard to the School of Music will address Professor Irving M. Glen, Dean of the School of Music, Eugene. A catalogue will be sent on application.

## **SCHOOL OF MEDICINE**

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### **FACULTY**

The faculty of each school or college consists of the President of the University and the resident professors, assistant professors, lecturers, and instructors giving instruction.

### **ORGANIZATION**

The School of Medicine of the University of Oregon, which was established in 1887, in 1895 became a graded school occupying the advanced rank of those requiring from their students as a condition of graduation, attendance upon four full courses of lectures in a regular medical college. The result of this advance, as shown in our work under the four course system, has proved eminently satisfactory.

The course in the School of Medicine leads to the degree of Doctor of Medicine. It covers a period of four years of collegiate study, each year representing six months in actual residence. The Faculty has now under consideration a seven months' session, which will probably be adopted with some changes in curriculum, particulars of which will appear in the separate announcement of the School of Medicine.

The studies are graded, so far as practicable, throughout the four years, and this grading is arranged with careful reference to the relation which the subjects naturally bear to each other.

The work of the first two years deals with the so-called scientific or laboratory branches, while that of the last two years includes the principles and practice of medicine and surgery, their associated specialties, and the application of scientific or laboratory methods to clinical experience.

### **REQUIREMENTS FOR ENTRANCE**

This school is a member of the Association of American Medical Colleges and will conform to its requirements. (See catalogue.)

### **LOCATION AND EQUIPMENT**

The new college building, located near Twenty-third and Lovejoy streets, opposite Good Samaritan Hospital, was completed and occupied during the session of 1902-03. It is a model of convenience, being furnished with all the aids to medical education which modern advancement requires. Laboratories for chemical, histological, pathological, bacteriological, and other work are provided, and arrangements made for special attention to these important practical departments. The laboratory equipment has been doubled; extensive additions made to the apparatus in microscopy, and new instructors added to the Faculty for more extensive and specialized work in histology and pathology. The dissecting room is most conveniently arranged, is light and airy, and is furnished with artificial illumination.

The building is heated by hot water, lighted by gas and electricity, and provision made for excellent ventilation. The Twenty-third street electric cars pass the location every few minutes. To reach the college by this line take the Washington street car, designated Twenty-third Street. St. Vincent's new hospital is only a short distance from the college, and with Good Samaritan Hospital across the street, the arrangement of colleges and hospitals for clinical work is a most convenient one.

### **REQUIREMENTS FOR GRADUATION**

The candidate for the degree of Doctor of Medicine must be of good, moral character and twenty-one years of age. He must have studied medicine under a regular practitioner four years, including attendance upon lectures, and attended in a regular medical college authorized to confer the degree of M. D., four full courses of lectures, no two of which shall have been delivered within twelve months, (unless admitted to advanced standing as per constitution of the Association of American Medical Colleges), the last of which must have been in this college; and must exhibit his tickets or other ade-

quate evidence of attendance to the Dean of the Faculty. He must present to the Dean satisfactory evidence of having dissected the entire cadaver. He must have attended at least two courses of Dissections and Clinical Instruction. He must present to the Dean satisfactory evidence of time, study, laboratory work, and moral character. He must have passed successfully the examinations prescribed by the Faculty, and paid all fees due the College.

### EXPENSES

First year: Matriculation.....	\$ 5.00
Fee for course.....	130.00
One-quarter examination fee.....	7.50
Second year: Fee for course.....	130.00
One-quarter examination fee.....	7.50
Third year: Fee for course.....	100.00
One-quarter examination fee.....	7.50
Fourth year: Fee for course.....	Free

### CATALOGUE

For catalogue giving full information address Dr. S. E. Josephi, Dean of the Medical school, Portland, Oregon.

## SCHOOL OF LAW

### FACULTY

The Faculty of each school or college consists of the President of the University and the resident professors, assistant professors, lecturers and instructors giving instruction.

### LOCATION

The School of Law is held in the city of Portland, which offers to the student of law many advantages not possessed by other cities. The District and Circuit Court of the United States hold regular sessions, the four departments of the Circuit Court of the State of Oregon for the Fourth Judicial District, the County Court of Multnomah County, and the Municipal and Justices' Courts are constantly in session, where questions touching every branch of the law are daily heard and determined.

The lectures are delivered at 7:15 p. m. in the Chamber of Commerce Building, in the center of the City of Portland. Lectures in the junior year are on Tuesdays, Thursdays and Saturdays; in the senior year, on Mondays, Wednesdays, Fridays and Saturdays. The seniors assemble at 8:30 p. m. on Saturdays.

The holding of the lectures and other exercises in the evening enables bank and government clerks and other persons engaged during the day to avail themselves of the privileges of the school.

### **REQUIREMENTS FOR ADMISSION**

All persons, irrespective of sex, are allowed to matriculate in the Law School. Applicants for admission to the first year class must be at least eighteen years of age, and to the second year class nineteen years of age.

Graduates of universities or colleges, and students who have completed an academical or high school course, are admitted to the Department without examination as to preliminary requirements, and may become candidates for the degree of Bachelor of Law.

All other applicants will be required to present satisfactory evidence that they are prepared to pursue the work with advantage to themselves and without disadvantage to the school.

### **COURSE OF INSTRUCTION**

The course of instruction extends through a period of two years, of nine months each, instead of eight months as heretofore. Twenty hours have thus been added to the course on Criminal Law, twenty on Torts, twenty on the Law of Real Property, and ten on Corporations. It is the intention to extend the course in the near future to three years.

### **FEES**

The tuition fee is sixty dollars for the Junior year and seventy-five dollars for the Senior year, except to seniors graduating in 1905, to whom the charge will remain the same as heretofore, viz: sixty dollars per annum. The tuition is payable at the office of the Dean in equal installments on September 20 and on the first day of December and March. Admission to membership in the classes is not permitted until the fees are paid. Regular attendance is required, and no deduction will be made on account of absence, or failure to begin at the opening of the year. The final examination fee is ten dollars.

### **CATALOGUE**

For catalogue address Professor C. U. Gantenbein, Dean of the School of Law, Portland, Oregon.