

Twentieth

Annual Catalogue

of the

University of Oregon,



1895-1896.

MDCCCXCVI.

EUGENE.

B. H. MILLER, Printer.

1896.

CALENDAR, 1896-1897.

Sept. 14, 1896,	Session Begins.
June 17, 1897,	Session Ends.
Sept. 14, 1897,	First Semester Begins.
Friday, Feb. 5, 1897,	First Semester Ends.
Monday, Feb. 8, 1897,	Second Semester Begins.
June 17, 1897,	Second Semester Ends.
Sunday, June 13, 1897,	Baccalaureate Sermon.
Monday, June 14, 7:30 p. m.,	Graduating Exercises in Music.
Tuesday, June 15, 10 a. m.,	Field Day.
Tuesday, June 15, 3 p. m.,	President's Reception.
Tuesday, June 15, 7:30 p. m.,	Reunion.
Wednesday, June 16, 10 a. m.,	Graduating Exercises, Law School.
Wednesday, June 16, 2 p. m.,	Planting Class Tree.
Wednesday, June 16, 3 p. m.,	Alumni Meeting.
Wednesday, June 16, 7:30 p. m.,	Address before the University.
Thursday, June 17,	Annual Meeting, Board of Regents.
Thursday, June 17, 10 a. m.,	Commencement Day.

The dates for the winter and spring recesses and the Junior Exhibition will be fixed by the Faculty.

BOARD OF REGENTS.

NAME AND RESIDENCE.	TERM EXPIRES.
HON. T. G. HENDRICKS, Eugene.....	April 1, 1897.
HON. L. L. MCARTHUR, Portland.....	April 1, 1899.
DR. S. HAMILTON, Roseburg	April 1, 1901.
HON. C. C. BEEKMAN, Jacksonville.....	April 1, 1903.
HON. HENRY FAILING, Portland.....	April 1, 1903.
HON. A. G. HOVEY, Eugene.....	April 1, 1905.
HON. A. BUSH, Salem.....	April 1, 1905.
*HON. S. P. STURGIS, Pendleton.....	April 1, 1905.
HON. CHARLES HILTON, The Dalles.....	April 1, 1905.
HON. S. H. FRIENDLY, Eugene.....	April 1, 1907.

OFFICERS OF THE BOARD.

HON. HENRY FAILING.....	President.
HON. JOSHUA J. WALTON.....	Secretary.
HON. A. G. HOVEY.....	Treasurer.

EXECUTIVE COMMITTEE.

T. G. HENDRICKS, A. G. HOVEY, S. H. FRIENDLY.

*Deceased

FOUNDATION, MANAGEMENT AND SUPPORT.

The University of Oregon, by an Act of the State Legislature, was founded and located at Eugene in 1872. Regular instruction of students began in 1876.

The management of the University is entrusted to a Board of Regents, appointed for a term of twelve years by the Governor of the State, and confirmed by the State Senate. The Board of Regents confers such degrees and grants such diplomas as other Universities are wont to confer and grant.

The permanent endowment of the University amounts to about one hundred thousand dollars realized from the sale of the land granted to the State by the general government for the purpose of establishing a University, and a fund of fifty thousand dollars donated by Mr. Henry Villard. The University also receives an annual sum from the State.

SITUATION.

The University of Oregon is situated at Eugene, Lane Co., one hundred and twenty five miles south of Portland, on the Southern Pacific Railroad. Eugene is the county seat of Lane Co., has four thousand inhabitants and is surrounded by scenery of great natural beauty. The University campus lies southeast of Eugene, about one mile and a half from the post office, and contains eighteen acres of land.

THE FACULTY.

CHARLES HIRAM CHAPMAN, PH. D. *President.* A. B., (extra ordinem) Johns Hopkins University, 1888. Fellow, 1888-89. Ph. D., Johns Hopkins University, 1890. Instructor and Associate in Mathematics, Johns Hopkins University, 1892. Member of American Mathematical Society.

Publications: "On the Units of an n -fold space," Am. Journal of Math. "On the Matrix which represents a Vector," Am. Journal of Math. "On the application of Quaternions to Projective Geometry," Am. Journal of Math. "A French Analytical Geometry," Bulletin Am. Math. Society. "Review of Lie's Theorie der Transformationsgruppen," Bulletin Am. Math. Society. "Weierstrass and Dedekind on General Complex Numbers," Bulletin Am. Math. Society. "Review of Macfarlane's Algebra of Physics," Bulletin of Am. Math. Society. "An Elementary Treatise on the Theory of Equations," Wiley and Sons, New York.

JOHN W. JOHNSON, A. M., *Professor of Latin.* A. B., Yale University, 1862. A. M., Yale University, 1865. Principal Portland High School, 1869-76. President University of Oregon, 1876-93. Professor of Latin and Greek, University of Oregon, 1876-82. Professor of Latin and Ethics, University of Oregon, 1882-94.

MARK BAILEY, PH. D., *Emeritus Professor of Mathematics.*

JOHN D. LETCHER, *Professor of Mathematics.* "Distinguished Graduate," Virginia Military Institute, 1875. Assistant Professor of Mathematics and Physics, V. M. I., 1875. Professor of Applied Mathematics, University of Arkansas, 1884. Chief Engineer of the Ohio and Northwestern R. R., 1886. Professor of Mathematics and Engineering, Oregon State Agricultural College, 1888-95.

THOMAS CONDON, PH. D., *Professor of Geology.* Professor of Geology and Natural History, University of Oregon, 1876-82.

Professor of History, Geology and Natural History, University of Oregon, 1882-92. Professor of Geology and Natural History, University of Oregon, 1892-95.

Publications: "The Fossil Horse, His Place in the Records of the Past and the Theories of the Present," *Oregonian*. "The Rocks of the John Day Valley." "The Willamette Sound." "How Oregon was made," *Overland Monthly*. "Preliminary Report of the Geology of Oregon," State Print.

GEORGE H. COLLIER, L. L. D., *Emeritus Professor of Physics*.

CHARLES FRIEDEL, Ph. D., *Professor of Physics*. A. B., University of Wisconsin, 1882. Student at University of Leipsic, 1887-89. Student at Johns Hopkins University, 1892-93. Ph. D., University of Leipsic, 1895. Patentee of galvanic cell, 1881.

Publications: Ueber die Absorption der Strahlenden Wärme durch Flüssigkeiten, *Wiedemann's Annalen der Physik und Chemie*, Band 55.

JOHN STRAUB, A. M., *Professor of Greek*. A. B., Mercersburg College, 1876. A. M., Mercersburg College, 1879. Assistant Professor of Greek and German, Mercersburg College, 1877-78. Professor of Modern Languages, University of Oregon, 1878-82. Member of the Modern Language Association of America.

BENJAMIN JAMES HAWTHORNE, A. M., *Professor of Mental Science*. A. M., Randolph Macon College, 1861. Professor of Languages in Collegiate Institute, Baton Rouge, 1866-69. Professor of Languages, West Tennessee College, 1869-73. President West Tennessee College, 1873. Professor of Languages, State Agricultural College, Oregon, 1873-84.

LUELLE CLAY CARSON, A. M., *Professor of Rhetoric and English Literature*. A. M., University of Oregon and Pacific University. Preceptress, Pacific University and Tualatin Academy, 1879-84. Professor of Rhetoric and Elocution, University of Oregon, 1889-95.

EDGAR McCLURE, A. M., *Professor of Chemistry*. A. B., University of Oregon, 1883. A. M., University of Oregon, 1886. A. B., Harvard University, 1894. Tutor, University of Oregon, 1886-92. Member of the Deutsche Chemische Gesellschaft and the American Chemical Society.

E. B. McELROY, Ph. D., *Professor of Ethics and Pedagogy*. A. M., Christian College, 1883. Ph. D., Willamette University, 1884. Instructor in Oregon Agricultural College, 1875-82. State Superintendent of Public Instruction, Oregon, 1882-95

FREDRICK L. WASHBURN, A. M., *Professor of Biology*. A. B., Harvard University, 1882. A. M., Harvard University, 1895. Graduate Student, Johns Hopkins University, 1886-87. Instructor in Zoology, University of Michigan, 1887-88. Graduate Student, Harvard University, 1888-89. Professor of Zoology, Oregon Agricultural College and Entomologist to the Experiment Station, 1889-95. Member of the American Association for the Advancement of Science.

FREDRICK G. YOUNG, A. B., *Professor of Economics and History*. A. B., Johns Hopkins University, 1886. Graduate Student, Johns Hopkins University, 1886-87. Vice President, State Normal School, Madison, S. D., 1887-90. Principal Portland, Or., High School, 1890-94. President Albany, Or., College, 1894-95.

MARIE LOUISE BARIGHT, *Professor of Elocution*. Graduate of the School of Expression, Boston, 1892. Instructor in Elocution and English Literature, Penn. State Normal School, Westchester, 1892-95.

N. L. NARREGAN, *Dean of the Preparatory Department*. Graduate Parson's Commercial School. Admitted to practice in the the Supreme Courts of Michigan and Oregon.

JOSEPH R. WETHERBEE, *Director of Physical Education*. Physical Director of the Willamette Valley Chautauqua Association. Director of Physical Education and Hygiene, Oregon Summer School. General Secretary and Physical Director, Salem, Oregon, Young Men's Christian Association, 1891-93. Student of Dr. Dudley Allen Sargent, Harvard University.

EDWARD H. MCALISTER, A. B., *Tutor, Applied Mathematics*. A. B., University of Oregon, 1890.

PHILURA E. MURCH, A. M. *Tutor in Modern Languages*. A. B., University of Oregon, 1887. A. M., University of Oregon 1890. Student of Madame Fancaunet, Paris, 1890-91.

INEZ DELASHMUTT, A. B., *Tutor in English and English Literature*. A. B., Wellesley College.

DORA L. SCOTT, *Librarian*.

STANDING ADVISORY COMMITTEES.

ON DISCIPLINE:—(*Monday at 3:30 p. m.*) Chapman, Condon, Narregan, Carson, Friedel, Letcher. Secretary, McAlister.

ON STUDIES:—(*Wednesday at 4:15 p. m.*) Chapman, Baright, Hawthorne, Carson, Washburn, Young. Secretary, DeLashmutt.

ON ABSENCES:—(*Friday at 4:15 p. m.*) Chapman, Straub, Washburn, Friedel, Young, Hawthorne. Secretary, Narregan.

ON DORMITORY:—(*Meets on call.*) Chapman, Letcher, McElroy, Johnson, McClure, Narregan.

ON EXAMINATIONS:—(*Meets on call.*) Chapman, Johnson, McClure, Straub, McElroy, Condon.

UNIVERSITY SOCIETIES.

ALUMNI ASSOCIATION.

The Alumni Association of the University of Oregon was organized in 1879. The membership consists of all the graduates of the Literary Department of the University, now numbering one hundred and sixty-nine. 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."

Public literary exercises are conducted annually by the Association on Wednesday afternoon of Commencement week, and an annual banquet is given on Thursday evening, to which also the members of the Faculties, Board of Regents, and prominent educators of the State are invited. The banquet is made the occasion for brief discussions of topics pertaining to the interests of higher education, usually given in the form of toasts, by prominent Alumni and invited guests.

The following is a list of the Presidents of the Association from its organization to the present time:

R. S. Bean, '78,	1879-1880.
George S. Washburne, '78,	1880-1881.
M. S. Wallis, '78,	1881-1882.
Nettie McCornack, '80,	1882-1883.
Emery E. Burke, '81,	1883-1884.
Wallace Mount, '83,	1884-1885.
B. B. Beekman, '84,	1885-1886.
Anna Whiteaker, '81,	1886-1887.
H. F. McClure, '85,	1887-1888.
C. S. Williams, '81,	1888-1889.
S. W. Condon, '82,	1889-1890.
Edgar McClure, '82,	1890-1891.
E. O. Potter, '87,	1891-1892.
E. H. McAlister, '90,	1892-1893.
Fletcher Linn, '90,	1893-1894.
Arthur L. Veazie, '90,	1894-1895.
Herbert T. Condon, '92,	1895-1896.

ACADEMY OF SCIENCE OF THE UNIVERSITY OF OREGON.

On January 10th, 1896, a party of scientists met in the Biological Laboratory pursuant to the call of a committee for the purpose of organizing a scientific club in connection with the University. Prof. McClure was made chairman and Mr. McAlister appointed secretary pro tem. Prof. Washburn read a provisional constitution, which was voted on article by article. As altered and amended the constitution reads as follows:

ARTICLE I.—The name of the society shall be "The Academy of Science of the University of Oregon." Its membership shall be limited to 25. Its purpose, the advancement of science.

ART. II.—Its officers shall include a President, Vice President and a Secretary-Treasurer. The duties of the President shall be to preside at all meetings of the society and to appoint all committees not otherwise provided for. The duties of the Secretary-Treasurer shall be the keeping of the minutes of each meeting, the giving due notice of meetings, the collecting and disbursing of moneys when necessary and the taking charge of the Academy's correspondence. He shall, furthermore, make an annual report of funds collected and expended during the year.

ART. III.—The regular meeting shall take place the last Saturday evening of each month in the Biological Laboratory of the State University. The room shall be open one hour before the meeting is called to order for the reading of current scientific literature to be found on the tables. The business of the meet-

ing shall be divided as follows: *a*—Reading and approval of minutes of previous meeting. *b*—Reports of standing committees. *c*—Reports of special committees. *d*—Unfinished business. *e*—New business. *f*—Paper of the evening, and discussion. *g*—General observations from various members.

ART. IV.—Extra meetings may be called at any time upon vote of the society or upon call of the President.

ART. V.—Regular committees shall consist of a membership committee, a library committee, and a program committee. The last will regularly consist of the President, Vice-President and Secretary.

ART. VI.—Election of officers shall take place annually.

ART. VII.—Any person may become a member of this academy when all but three of the members shall have filed a written request with the Secretary for his admission. The Secretary shall announce to the academy when the required number of such requests have been filed and he shall then issue an invitation to the said person to become a member of this academy. The person invited shall signify his acceptance by signing the constitution.

ART. VIII.—Any member who is absent from three consecutive meetings without an excuse acceptable to the society will lose membership.

ART. IX.—There are no regular fees or assessments but a pro rata assessment may be levied at any time by vote of the society.

ART. X.—Business can only be transacted at a regular meeting. A quorum is necessary in order to transact any business. Seven members shall constitute a quorum.

ART. XI.—The only condition attached to membership, besides that stated in Article VII, is, that at each meeting, in addition to the regular paper, each member present, except the reader of the paper, must contribute orally some short observation on a scientific fact met with since the last regular meeting, either in literature or as a result of personal work.

ART. XII.—Persons attending the first meeting and signing the constitution shall be exempt from the conditions of Art. VII.

ART. XIII.—Any article of the constitution can be altered by a two-thirds vote of members present at a regular meeting, provided that said alteration is proposed one meeting before the regular meeting upon which the voting takes place.

At the first meeting Prof. Condon was elected President of the Academy by acclamation, Dr. T. W. Harris was elected Vice-President, and Prof. F. L. Washburn Secretary-Treasurer. Profs. McClure and Young were elected library committee. The Secretary was requested to furnish a report of proceedings of

each meeting to the University Bulletin. The matter of program was referred to the program committee.

YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

This Society of students was organized in March, 1894. Its object is to throw Christian influences around the young women of the University. Also to cultivate the social powers of the members. The usual exercises are those of an ordinary prayer-meeting. The number of members is thirty; the officers are chosen for a term of one year; and the Association meets in the Dormitory at 4 o'clock, Wednesday afternoons.

YOUNG MEN'S CHRISTIAN ASSOCIATION.

The Association was organized in February, 1892. Its object is to encourage and promote Christian work, Christian living and Christian ideals in the student life of the University. There is no regular order of exercises at the meetings. A leader is chosen for each meeting and a subject assigned to him. The leader conducts the meeting as he thinks proper or as instructed by the committee on religious meetings. The principal exercises are singing, praying and speaking. The number of members is fifty-two; the officers are chosen for a term of one year; and the Association meets in Miss DeLashmutt's room in the Dormitory at 6:30 o'clock, Wednesday evenings. The meetings close at 7:15.

LAUREAN SOCIETY.

The Laurean Society was organized in 1876. Its object is to develop the power of argumentation, to cultivate extempore speaking and to train the mind to criticise correctly. The Laurean Society in conjunction with the Eutaxian Society owns one of the largest and best society libraries in the state. It contains about 700 volumes. The time of meeting is 7:30 o'clock each Friday evening of the school year. Its place of meeting is the Southwest room in the third floor of Deady Hall. There has been a great deal of improvement in the Laurean Hall during the last year. The officers are elected for one quarter of the school year, or ten weeks. Among the officers are included an editor, historian and parliamentarian. The usual order of exercise is calling to order, routine business, recess, after which

comes the most important part of the Society work. First, the Society listens to an extemporaneous speech; then a prepared address from members appointed for the occasion. The next in order is debate upon some question which has been chosen two weeks. The leaders and their colleagues discuss the question first, then the subject is thrown open for discussion by any member present.

PHILOLOGIAN SOCIETY.

The Society was organized October 21st, 1893. Its object is to discuss questions of general interest, and to secure for its members proficiency in debate and a thorough knowledge of parliamentary usage. The usual exercises are a declamation; an extemporaneous address on some current topic; a prepared address of fifteen minutes; and a debate open to all members with leaders appointed two weeks in advance. The number of members is forty-five; the officers are elected for a term of ten weeks; and the meetings are held in Professor Johnson's room at 7:30 on Friday evenings.

EUTAXIAN SOCIETY.

The object of the Society is set forth in the preamble of the constitution. The usual order of exercises is:—rhetoricals, debate, literary program or parliamentary discussion. The officers are chosen for a term of the college year and the Society meets in the Society room in Deady Hall at 3:15 o'clock on Friday afternoons.

REQUIREMENTS FOR ADMISSION.

Teachers who are preparing students to enter the University are requested to read carefully the following notes:

A. ADMISSION TO THE FIRST YEAR.

The University of Oregon exists for the benefit of the people of the State, and the Regents and Faculty spare no effort to extend its usefulness. It is felt that the University is a vital part of the common school system and it is desired to unite it more closely in interests and aims with the schools of lower grade.

To further this purpose the following rules for admitting students to the first year have been adopted:

1. ALL GRADUATES FROM REPUTABLE SCHOOLS WHERE THE EIGHTH GRADE BRANCHES ARE COMPLETED ARE ADMITTED WITHOUT EXAMINATION.

2. PERSONS HOLDING TEACHERS' CERTIFICATES ARE ADMITTED WITHOUT EXAMINATION.

3. ALL OTHER APPLICANTS MUST PASS A WRITTEN EXAMINATION COVERING THE TOPICS WHICH ARE SPECIFIED BELOW:

ARITHMETIC.—The fundamental rules, factoring, fractions, decimals, ratio, simple (not compound) proportion, metric system of weights and measures, long measure, dry measure, liquid measure, square and cubic measure, cloth measure, board measure, percentage and its applications (excluding stocks, compound interest, insurance, partial payments, exchange and partnership with time), analysis of problems, square root. Teachers are requested to pay great attention to the useful practice of doing examples in the head.

GEOGRAPHY.—Location and description of ten great cities in foreign countries; about ten cities in the United States besides the capitals; intelligent descriptions of the Nile, Danube, Indus, Rhine, Seine, Thames, Mississippi, St. Lawrence, Columbia, Potomac, Hudson and Amazon rivers; an account of the commercial values of the same; situation and effects on climate, commerce and productions of the Alps, Himalayas, Andes, Rocky and Allegheny mountains; location and intelligent description of the British Islands, Sicily, Japan, Australia, New Zealand, Sandwich Islands, West Indies, Long Island; the size, situation, drainage area, commerce, and effects upon climate and productions of the Great Lakes; the principal routes of commerce on the Atlantic and Pacific oceans; location and commercial uses of the principal railways in the United States; map of the United States, divided into states, and showing one city of importance in each, the Rocky and Allegheny mountains, the largest rivers, and the productions of the different sections of country, this map to be drawn entirely from memory and free hand; comparative sizes of ten important foreign countries and ten states, using Oregon for a unit; five journeys in foreign lands and five in the United States of not less than five hundred miles each, intelligently described; location and description of twenty objects in the United States which are admired for their beauty or visited by travelers for any good reason; study of those sections of country in all parts of the world where wheat, pork, rice, tobacco, tea, coffee, cotton, wool, hides, beef, lumber, coal, iron, tin, lead, copper, gold and silver are produced, learning why they are produced there; study of those parts of the world where manufactures are carried on extensively, and the reasons for their existence; location and effects of the Gulf Stream and the Japan Current; location of two large barren tracts, and the reasons for their existence. Among the infinity of facts included in Geography, an intelligent selection must be made. It is better to learn a few interesting and useful things than to attempt to stuff the mind with a multitude of undigested and barren facts.

HISTORY OF THE UNITED STATES.—The substance of any good text-book. Intelligence in dealing with a few well understood things is preferred to a much larger amount of rote knowledge. Teachers are urged to spend much time with the history class in reading interesting books, and discussing them in a human and reasonable way.

MATHEMATICAL GEOGRAPHY.—The great and small circles on the earth; latitude and longitude; time; motions of the earth; axis and poles; day and night; changes of seasons.

ENGLISH GRAMMAR (ELEMENTARY).—The parts of speech; declension of nouns and pronouns; rules for the plural number and possessive case; comparison of adjectives and adverbs; voice, mode, tense, person and number of verbs; forms of irregular verbs; the most important rules of syntax; parsing of easy words; analysis of simple sentences, compound sentences of two parts, and complex sentences with one dependent part or clause; rules for the use of the comma, the period, the semi-colon and the question and quotation marks; rules for capitals.

ENGLISH COMPOSITION.—Forms for ordinary letters, simple narratives of one hundred words, simple descriptions of objects actually examined by the student, reproductions of easy pieces read to the student.

Teachers are urged to remember that the mind of the pupil must contain a thought before a thought can be expressed by him; the pupil must always acquire the material for his composition before he can write it. Great attention should be paid from the outset to the form of the pupil's work.

For young pupils extemporaneous oral composition is of the first importance. The teacher must insist upon good voice production, correct pronunciation, and correct forms of speech.

B. ADMISSION TO THE FRESHMAN CLASS.

It should be the aim of the public schools in the larger towns of the State to extend their course of study until they can prepare students to enter the Freshman year of the University courses in all studies except Greek. The University is most eager to see real high school instruction develop in Oregon and to encourage it the following rule has been adopted:

STUDENTS PRESENTING CREDITS FROM REPUTABLE SCHOOLS SHALL BE ALLOWED THEIR EQUIVALENTS IN THE UNIVERSITY OF OREGON.

The President of the University will gladly answer all inquiries relating to this subject. It is hoped that increasing numbers will apply for advanced standing each year.

Under the above rule graduates from the full courses in the following schools are entitled to the number of credits indicated. Sixty-two credits admit to the freshman year without conditions. The estimates are based on information furnished during the year 1895-96 and will be revised as the schools advance:

SCHOOL.	CREDITS.	PRINCIPAL OR SUPERINTENDENT.
Baker City	45	J. A. Churchill.
Union	30	E. B. Conklin.
La Grande	26	T. S. Van Vleit.
Pendleton	26	A. R. Draper.
Oregon City	43	S. W. Holmes.
La Creole Academy	60	A. M. Saunders, A. M.
Harrisburg	24	A. R. Waters.
The Dalles	45	John Gavin.
Hillsboro	24	J. H. Stanley.
Astoria	62	R. N. Wright.
Bandon (Major Course)	50	John S. Hodgin, S. B.
McMinnville	25	C. H. Jones.
Heppner	29	A. W. Wier.
Bishop Scott Academy	55	Dr. J. W. Hill.
Bethel	17	Mrs. J. C. Taggart.
Normal School, Monmouth	73*	Pres. P. L. Campbell.
Normal School, Ashland	62	Pres. W. T. Van Scoy.
Normal School, Weston		Pres. M. G. Royal.
Normal School, Drain	40	Pres. Louis Barzee.
Santiam Academy	62	S. A. Randle.
Portland High School	62	Frank Rigler.
Junction City	19	J. P. Holland.
Ashland (Public School,)	45	C. A. Hitchcock.
Halsey	30	A. M. Reeves.
Albany (Public School)		Hiram Tyree.
Medford	30	G. A. Gregory.
Klamath Falls	15	Will S. Worden.
Canyon City	15	W. W. Wood.

Students desiring to enter the University from any of the above institutions should bring certificates duly signed by the superintendent or principal, stating a full list of the studies which they have finished. Blank certificates for this purpose will be furnished free on application. High School principals are urged to hasten the development of courses in literature, mathematics and the languages rather than in physics and chemistry. These sciences can not be properly taught without an elaborate outfit of apparatus which is beyond the reach of most schools; while literature, mathematics and the languages require little apparatus. There is no reason why trig-

*Mature graduates from the State Normal School at Monmouth may entertain a reasonable hope of earning a University degree in three years. They have 57 credits to earn.

ometry and analytical geometry as well as a great deal of English Literature should not be taught in the majority of our city schools; they could be taught in many cases to much greater advantage than the sciences.

EXAMINATIONS.

Students will be examined for entrance to the University on the first day of the fall term. Applicants for examination should notify the President of the University about one week before the term opens. The ground covered is sufficiently indicated above. Examinations will be held in the President's office and will be in writing.

Students presenting proper certificates from reputable schools are not examined.

Examinations of college classes are held by the teachers, during the last week of each semester. Not more than one week can be spent in a review of any branch before the examination in it. The students are graded on a scale of one hundred with due reference to their class standings. The marks are filed in the President's office. A student whose yearly average in any branch falls below seventy receives no credit for his work in that branch. A class mark zero is assigned for each absence from recitation; but the work may generally be made up and the class mark raised by diligent students. The term examinations of college classes are conducted under the following rules:

1. All examinations shall be in writing
2. Three consecutive hours shall be allowed for each examination.
3. The questions shall be filed in the office during the week preceding examination week.
4. The examinations shall follow a program to be prepared by the executive.

STATE DIPLOMAS.

Under Senate Bill No. 112, the State Board of Education has determined that all persons making application for State Diplomas shall pass an approved examination in the following branches: Book-keeping, Composition, Physical Geography, Algebra, English Literature, Oregon School Laws, General History, and Theory and Practice of Teaching. The examination will be

held at the end of each session of the University. The bill is printed below:

Senate Bill No. 112.

A BILL for an Act to encourage more thorough preparation of Teachers for Public School Work in the State of Oregon.

Be it enacted by the Legislative Assembly of the State of Oregon:

That all persons who shall complete a required course of study, and receive a literary degree therefor in any institution of learning of collegiate or university grade, chartered or incorporated under the laws of this State, and shall have passed such examination thereon as may be designated and approved by the State Board of Education, shall be entitled to receive a State Diploma, as is now authorized by law, and after six years of successful teaching in the State of Oregon shall be entitled to a State Life Diploma, as now provided by law, when they shall have paid the required fee for said Diploma.

Approved February 20, 1891.

REGISTRATION OF STUDIES.

All students register at the beginning of the fall term for the work of the whole year. No credit will be allowed for work not so registered. Studies can not be changed or dropped later than the first week of the Fall term, except with the written consent of the student's adviser, the standing committee on studies, and the teacher of the class; and such consent must be filed in the office of the University.

DIRECTIONS TO NEW STUDENTS.

Upon arriving at the University the new student should call at the President's office in Villard Hall, fill out an application blank and learn the name of his adviser. The adviser will give him all necessary information about board, studies and text books, and certify to his choice of studies. The student should then return to the office, pay his incidental fee and be registered. No student can be admitted to any class without the permission of the teacher, countersigned by his adviser.

Students wishing to board in the Dormitory must obtain their adviser's permission, and have it countersigned by the President.

YEARLY CERTIFICATION OF CREDITS.

Each student will receive at the end of the college year a

card certifying to the credits he has earned during the year.

The card will be signed by the teacher of each class in which the student has been registered after the last examination of the year, provided that, if the student's yearly average in any class falls below 70 per cent, the teacher of that class will not sign the card and the study must be taken again.

The student can not enter his classes in the Fall until he presents his credit card at the office, properly made out and signed.

EXERCISES OF THE SEMESTER.

In the Preparatory Department each student is required to take twenty-one exercises a week in the first and second years and twenty in the third year. In special cases the Dean may give permission to take less work. Each recitation in the Preparatory Department is forty-five minutes long. One weekly exercise must be in English Composition and one may be taken in Hygiene in the gymnasium.

In the College each student is expected to have seventeen exercises weekly. One exercise must be in English Composition; and there may be one in Elocution and one in Hygiene. Mature students who are unusually strong in mind and body may often obtain permission to take more than seventeen exercises weekly. The time spent in College may be materially shortened in this way under favorable conditions.

Regular students in Mining and Engineering must follow the courses laid down in the catalogue. Two hours of laboratory work, work in the machine shop or drawing are considered the equivalent of one recitation.

Class marks are assigned at each recitation and are taken into account in estimating the term marks. Students will receive zero class marks for excusable absences from recitations but they are allowed to make up the work and thus raise their marking.

GRADUATION.

The University grants the degrees Bachelor of Arts, Bachelor of Science and Bachelor of Letters. In the School of Mines and Engineering it confers the titles Mining Engineer, Civil Engineer and Electrical Engineer, with the degree Bachelor of Science.

It requires regularly four years beginning with the Freshman to earn each of these degrees, and the number of credits to be earned is 68. For each degree certain COLLEGE STUDIES are prescribed which are here specified:

PRESCRIBED COLLEGE STUDIES FOR THE DEGREE BACHELOR OF ARTS: Latin, 7 credits; Greek or German, 4 credits; English Literature, 3 credits; Physics, 4 credits; Rhetoric, 4 credits; Economics, 3 credits; History of Philosophy, 4 credits; English, 4 credits.

PRESCRIBED COLLEGE STUDIES FOR THE DEGREE BACHELOR OF SCIENCE WITHOUT ENGINEERING:

A.—**BACHELOR OF SCIENCE WITH PREPARATORY LATIN:** German, 14 credits; French, 5 credits; Calculus, 5 credits; Physics, 4 credits; Rhetoric, 4 credits; Economics, 3 credits; English Literature, 3 credits; English, 4 credits.

B.—**BACHELOR OF SCIENCE WITH PREPARATORY GERMAN:** German, 7 credits; other work the same as under *A.*

PRESCRIBED COLLEGE STUDIES FOR THE DEGREE BACHELOR OF LETTERS: German, 7 credits; French, 13 credits; Calculus, 5 credits; Rhetoric, 4 credits; English Literature, 3 credits; Economics, 3 credits; History of Philosophy, 4 credits; Mental Science, 5 credits; English, 4 credits.

The other college studies for each degree are elective. The preparatory studies are all prescribed as they are scheduled in the catalogue.

PRESCRIBED COLLEGE STUDIES FOR THE DEGREE BACHELOR OF SCIENCE WITH THE TITLE MINING ENGINEER, CIVIL ENGINEER OR ELECTRICAL ENGINEER: All the studies scheduled in these courses are prescribed.

SHORT COURSE DIPLOMAS: The University grants a diploma to students who complete satisfactorily the Business course of two years; the English course of three years; or the Normal course in Physical training of two years.

NORMAL DIPLOMA: A normal Diploma will be granted to students who complete satisfactorily the course in Theoretical Pedagogy.

MASTER OF ARTS: The degree Master of Arts is conferred upon Bachelors of Arts after three years spent in some literary or scientific calling. They should make application by the first day of June.

MASTER OF PEDAGOGY: Graduates of approved Normal schools who enter the University will be allowed full credit for their work in such schools. Upon completing an elective course which must include History of Education, 5 credits; Philosophy

of Education, 5 credits; Economics, 3 credits; General English Literature, 3 credits; Rhetoric, 4 credits; History of Philosophy, 4 credits; Mental Science, 5 credits; and at least 3 credits in English, they will receive the degree Master of Pedagogy. Enough work above the preparatory must be accounted for to earn 68 credits; of these 4 may be in Hygiene.

COMMENCEMENT ORATIONS.

Six members of the graduating class are annually selected to deliver orations on Commencement Day. This privilege is offered to students in the order of their class standings and is optional. In computing class standings for this purpose Elocution and English are allowed a weight of five. The standings will be made known to the members of the class during the first week of the second semester and their options must be filed in the office before the end of that week. Only persons who elect to deliver Commencement orations under the above conditions are eligible to compete for the Failing and Beekman prizes. The subjects for Commencement orations are announced not more than six weeks before the orations are to be delivered.

PRIZES.

The following prizes are offered annually for proficiency in oratory:

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 course 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 from 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 award of the prizes is made as follows:

"The Faculty of the aforesaid University shall select, at each Commencement exercise, three disinterested persons from different portions of the State of Oregon, if possible, or from other states, or from this state and other states, excluding all persons connected with said

University, excepting members of the said Board of Regents; and said three persons selected by the said Faculty shall act as judges, who, after hearing the orations pronounced by the members of the graduating class, shall determine what member thereof has pronounced the best oration, and also what member thereof has pronounced the second best oration, and to these members shall be awarded respectively the above named Failing and Beekman Prizes. The judges, in deciding what members have pronounced the best and second best orations, shall take into consideration the originality of the subject matter, the style of treatment, rhetorical excellence and the manner of delivery. And no oration shall be considered in the award of said prizes unless delivered without the aid of manuscript.

“Prior to the delivery of the orations for said prizes, the President of the University, or some one under his direction, shall publicly announce to the judges the terms and conditions upon which the awards are to be made, and the majority of the judges shall be sufficient to award either of said prizes.”

Awards of the Failing Prize:—

In 1890.....	Edward H. McAlister.....	Eugene.
In 1891.....	S. Etta Levis.....	Harrisburg.
In 1892.....	Lenn Stevens.....	Eugene.
In 1893.....	Carey F. Martin.....	Eugene.
In 1894.....	Irving M. Glen.....	Dayton.
In 1895.....	Julia G. Veazie.....	Dallas.

Awards of the Beekman Prize:—

In 1890.....	Agnes M. Green.....	Seattle.
In 1891.....	Veina E. Adair.....	Eugene.
In 1892.....	Fred S. Dunn.....	Eugene.
In 1893.....	Thomas M. Roberts.....	The Dalles.
In 1894.....	Elias M. Underwood.....	McMinnville.
In 1895.....	Benetta Dorris.....	Eugene.

EXPENSES.

The University charges a yearly incidental fee of \$10, payable at the opening of the fall term by each student.

The cost of living in the Dormitory is \$2.50 per week. This includes board, heat, light and lodging; but does not include bed clothes, mattresses and towels.

The cost of living in the town of Eugene varies from \$3 to \$5 per week. Many students rent rooms and board themselves at a

very small cost. A fair estimate of the yearly expenses is from \$125 upwards.

The expense of books varies from \$5 per year upwards. There is no change of studies during the year so that students need buy only one set of books, with few exceptions.

A small deposit is required from each student in the department of Chemistry. From this at the end of the year the actual cost of breakage and injuries to apparatus is deducted and the balance returned.

THE LIBRARY.

The University Library occupies a room in Deady Hall, and contains at present about seven thousand volumes. The collection is a choice one; being largely the selection of the heads of departments.

The Dewey system of classification has been adopted and the books are shelved in a continuous order. Relative location and alphabetical order are employed, the books being arranged under the following general heads:—General Reference; Philosophy; Religion; Sociology; Philology; Natural Science; Useful Arts; Fine Arts; Literature; History.

A part of the books was bought at a cost of one thousand dollars by Mr. Henry Villard. The annual sum coming from the Villard fund for the purchase of books for the Library is four hundred dollars. The Library is also a depository of all documents published by the general government at Washington.

Teachers in the University, students and resident graduates are entitled to draw books from the library. To all other persons it is a reference library.

Students may draw three volumes at a time, to be retained if desired for two weeks, with the privilege of one renewal.

The library receives the chief American and British literary and scientific magazines. The collection of reviews and periodicals, both current and bound, is especially valuable. Poole's and other indexes of general literature are at hand to aid reference.

The library is open every day, during term time, from 9 a. m. to 3 p. m., except Saturdays and Sundays.

DEPARTMENT LIBRARY OF ECONOMICS, HISTORY AND POLITICAL SCIENCE.

For the effective teaching of History, Economics and allied subjects a working library is quite as essential as a laboratory is

for the physical sciences. In fact the library is in all essentials the laboratory of Economics and Politics. On the organization of the department of Economics and History last year, five hundred dollars were appropriated for obtaining a nucleus for this new department library. To the books thus secured there have been segregated such works of the main library as belong distinctly to the courses of this department.

DEADY HALL.

Deady Hall was erected by the citizens of Lane County and presented to the state. It was named in honor of the late Matthew P. Deady, the first President of the Board of Regents, and for many years a constant benefactor of the University. It is three stories high besides the basement and contains the library, the chemical and physical laboratories, the biological laboratory and the hall of the literary societies.

VILLARD HALL.

Villard Hall was named in honor of Henry Villard, another friend of the University. In this building are recitation rooms, the president's office, a large audience room and Prof. Condon's great collection of minerals, fossils and natural history specimens.

THE DORMITORIES.

The Men's Dormitory erected by the munificence of the state accommodates about ninety students. The rooms are sufficiently large to furnish quarters for two students each, and are well lighted and ventilated. The whole building is heated by the hot water system. It consists of two wings entirely separated from each other. Each wing has a reception room, intended for the accommodation of visitors; but during the last year it has been necessary to use them for recitation rooms, owing to the overcrowded condition of the University.

The Women's Dormitory, recently acquired by the University, is a good building situated south of the campus on a tract of nine acres of land. It will accommodate about thirty young women.

The *price of board* in the Dormitories, including heat, light and lodging, is \$2 50 per week. It is not quite certain that the women's dormitory will be ready for use in the fall of 1896.

THE UNIVERSITY BULLETIN.

The University publishes a monthly periodical called *The Bulletin*. It aims to give an account of the important transactions of the Regents, Faculty and Students and publishes notes of the work done in the various departments and laboratories. *The Bulletin* is also the official organ of the Academy of Science of the University of Oregon. The price of subscription is one dollar a year.

THE LECTURE COURSE.

This course is supported by the subscriptions of the citizens of Eugene, and its details are managed by an organization of citizens and students called The Advancement Club. Its object is to acquaint the student with the modes of thought upon living questions of the prominent men and women of the state. During the past year the following lecturers were engaged: Hon. G. M. Irwin, Hon. Lydell Baker, Pres. P. L. Campbell, Hon. B. B. Beekman, C. B. Watson, Hon. B. S. Pague, Bishop J. S. Mills, Rev. D. E. Loveredge, Dr. W. Kuykendall, Prof. Thos. Condon, Hon. H. B. Miller, Dr. C. H. Chapman, Prof. J. D. Letcher, Hon. E. O. Potter, Mrs. Walter Eakin, Mrs. M. Bailey, Dr. Alice Hall Chapman, Dean E. C. Sanderson, Prof. Chas. Friedel, Prof. F. L. Washburne, Prof. F. G. Young, Prof. E. McClure, and others.

UNIVERSITY EXTENSION.

The lectures on Shakespeare were continued by Dr. Chapman at Salem, Eugene, Corvallis, Monmouth and Dallas. He also gave educational lectures at Baker City, Canyon City, Union, La Grande, Elgin, Pendleton, Harrisburg, Albany, and many other places. An extension class in English Literature has been organized and has members in the following places: Olalla, Goble, Beaver Creek, Huntington, Carson, Talent, Salem, Roseburg, Jefferson, La Grande, Coburg, Wells, La Fayette, Empire City, Greenville, West Chehalem, Sumner, Waldport, Boyd, Oswego, Arago, Wilbur, Independence, Portland, Etelka, Fossil, Pilot Rock, Freewater, Nye, Siuslaw, Klumb, Klamath Agency.

The work of the course is carried on by correspondence and is entirely free, with the exception that ten cents for postage and clerical work is charged for each set of questions.

Students wishing to enroll themselves in the Extension class should send their names to "Extension Department, University of Oregon, Eugene," enclosing five stamps. They will receive in return directions for study and questions upon the textbooks selected. It is intended to begin with Shakespeare's Merchant of Venice, and Dowden's charming little work upon Shakespeare will be studied in connection with the play. The cost of both these books by mail is only fifty-five cents. They are included in the list of state text books.

A course of Extension lectures under the auspices of the University has been arranged as follows:

The lectures will be given at 4 p. m. in Villard Hall. Admission will be by ticket. Tickets may be obtained free by all worthy applicants at the office of the University.

The lectures will begin on the first Monday in October and will continue on Monday, Wednesday and Friday of each week thereafter.

Prof. F. G. Young, six lectures on "City Government."

Prof. Chas. Friedel, six lectures on "Electricity and Magnetism."

Prof. F. L. Washburn, two lectures on "The Tissue Cell and the Egg Cell;" four lectures on "The Embryonic Development of a Vertebrate."

Prof. Edgar McClure, six lectures on a subject to be announced later.

Prof. B. J. Hawthorne, six lectures on "Experimental Psychology."

Hon. H. B. Miller, six lectures on the "Theory of Money."

Dr. W. Kuykendall, a course to be announced later.

Other courses will be announced as they are arranged.

THE SUMMER SCHOOL.

The Oregon Summer School will hold its next session at Gearhart Park, near Astoria, July 21-Aug. 18, 1896. This school is largely maintained by the labors of members of the faculties of the University of Oregon, Pacific University and the Normal School at Monmouth. Courses are given suitable for those who wish to obtain teachers' certificates; a Normal Review Course; and Courses in Physical Training, Art, Elocution, Vocal Music,

Biology, Chemistry, Astronomy and English Literature. The University Extension class in English Literature will hold its summer meeting at Gearhart Park during the session of the Summer School.

A tuition fee of five dollars is charged, which admits to all the privileges of the school. This fee is barely sufficient to cover the actual expenses of the school. Board and lodging are furnished at cost. There are ample facilities for tenting on the grounds of the school.

Information concerning the Summer School can be obtained free by addressing: PRESIDENT OREGON SUMMER SCHOOL, EUGENE, OREGON.

THE EDUCATIONAL CONVENTION.

The Annual Educational Convention of Oregon teachers held its first session at the University of Oregon, May 18, 1895. The following papers were read: "What is a High School?" Pres. John M. Bloss, Agricultural College; "The qualifications of the High School Teacher," Prof. A. E. Yerex, of Willamette University; "The Evolution of the Free High School," Prof. Thomas Condon, of the State University; "Can the Free High School and the College flourish in the same city?" Pres. W. C. Hawley, Willamette University; "How can we develop Real High Schools in Oregon?" Pres. F. G. Young, Albany College; "What Preparation does the Common School Teacher need?" Pres. P. L. Campbell, State Normal School Monmouth; "What can the Normal School do for the Country Teacher?" Supt. E. H. Anderson, Salem; "What can the College do for the Graduate of the Normal School?" Pres. Thos. McClelland, Pacific University; "What can College Men do in the County Institute?" Supt. Harriett Woodruff, Umatilla County; Paper by Prof. Luella C. Carson, University of Oregon; "Physical Education in the Common Schools," J. R. Wetherbee, University of Oregon.

Remarks were made by Mayor J. D. Matlock, Hon. S. H. Friendly and Dr. I. D. Driver. The evening lecture was delivered by State Superintendent, G. M. Irwin.

The next session of the convention will be held at the University at a date to be fixed upon later. The topic "Preparatory Courses of Study" will be discussed.

THE MINOR SCHEDULES.

N. L. NARREGAN, DEAN.

1.—Each recitation in the Minor Courses is forty-five minutes long.

2.—Every student must take the full work as scheduled unless excused by the Dean.

3.—All the work is prescribed except the Hygiene. With the adviser's consent other work earning one credit may be substituted for the Hygiene.

4.—After the first week of the first semester no study can be dropped or changed.

5.—The Minor Courses are under the general direction of the Dean who attends to the details of organization and discipline.

6.—Examinations in the Minor Courses are held in writing during the last week of each term; they are conducted under the supervision of the Dean in Villard Hall and he sets the dates for them. The questions are prepared by the several teachers and given to the Dean during the week preceding the examination week. The papers are marked by the teachers of the various classes on the scale of one hundred. The marks are averaged with the students' class standings and reported at once to the Dean, who files them in the President's office. If a student's average in any branch for the entire year falls below seventy he receives no credit for his work in that branch. All papers graded below seventy must be filed with the Dean.

7. CLASSICAL SCHEDULE.

(The figures show the number of credits allowed.)

First Year.—English, 1; English Grammar, 3; English Literature, 3; Algebra, 3; Geometry, 2; Latin, 5; Hygiene, 1; Ancient History, 3.

Second Year.—Algebra, 3; Geometry, 2; English, 1; Latin, 5; Botany or Physical Geography, 2; Greek or German, 5; English Literature, 2; Hygiene, 1.

Third Year.—Latin, 5; Greek or German, 5; Chemistry, 4; Physiology, 2; English Literature, 2; Composition, 1; Hygiene, 1.

Students who intend to earn the degree Bachelor of Arts in College should follow the above schedule with either Greek or German.

8. SCIENTIFIC SCHEDULE.

(The figures show the number of credits allowed.)

First Year.—English Grammar, 3; English, 1; English Literature, 3; Ancient History, 3; Algebra, 3; Geometry, 2; Latin or German, 5; Hygiene, 1.

Second Year.—English, 1; English Literature, 2; Algebra, 3; Geometry, 2; Latin or German, 5; French, 5; Botany or Physical Geography, 2; Hygiene, 1.

Third Year.—French, 5; Mathematics, 5; Chemistry, 4; Physiology, 2; Literature, 2; Composition, 1; Hygiene, 1.

Students who intend to earn the degree Bachelor of Science in College, whether with or without Mining or Engineering, should follow the above schedule. Mining and Engineering students will find German more useful than Latin.

9. LITERARY SCHEDULE.

(The figures show the number of credits allowed.)

First Year.—English Grammar, 3; English, 1; English Literature, 3; Ancient History, 3; Algebra, 3; Geometry, 2; German, 5; Hygiene, 1.

Second Year.—English, 1; English Literature, 2; Algebra, 3; Geometry, 2; German, 5; Botany or Physical Geography, 2; French, 5; Hygiene, 1.

Third Year.—French, 5; Chemistry, 4; Mathematics, 5; Physiology, 2; Literature, 2; Composition, 1; Hygiene, 1.

Students intending to earn the degree Bachelor of Letters in College should follow the above schedule.

10. ENGLISH SCHEDULE.

These courses lead to a diploma and the title Graduate in English. The studies are all prescribed.

(The figures show the number of credits allowed.)

First Year.—English Grammar, 3; English, 1; English Lit., 3; Ancient History, 3; Algebra, 3; Geometry, 2; Commercial Law, 2; U. S. History, 3; Hygiene, 1.

Second Year.—English, 1; English Lit., 2; Algebra, 3;

Geometry, 2; Civil Government, 2; Elementary Political Economy, 3; Botany, 2; Penmanship and Bookkeeping, 3; Shorthand and Typewriting, 2; Hygiene, 1.

SCHEDULE FOR PEDAGOGY.

Students who wish to prepare themselves for teaching by studying Theoretical Pedagogy, may substitute the following studies for the Commercial Law, 2, Bookkeeping, 3, Shorthand and Typewriting, 4, in the Business Schedule:

First Year.—Pedagogy, 4 credits.

Second Year.—Pedagogy, 5 credits.

The other studies are the same as those in the Business Schedule. When the work has been done in a satisfactory way the student will receive a Diploma from the University.

Examinations for State Diplomas will probably be held at intervals during this course as the studies are finished and if passed in a satisfactory manner the student will receive a state diploma when the course is completed.

DESCRIPTION OF THE MINOR COURSES.

MINOR MATHEMATICS.

Prescribed for all diplomas.

1.—FIRST YEAR ALGEBRA. Taylor. To quadratics including theory of exponents.

Prof. McElroy and Mr. McAlister, 3 credits, 1, 3, 5-8 a. m. and
1, 3, 5-9 a. m.

2.—SECOND YEAR ALGEBRA. Taylor. The text-book completed.

Prof. Letcher and Mr. McAlister, 3 credits, 1, 3, 5-9 a. m.

3.—FIRST YEAR GEOMETRY. Bowser. Plane Geometry.

Prof. McElroy and Mr. McAlister, 2 credits, 2, 4-8 a. m. and
2, 4-9 a. m.

4.—SECOND YEAR GEOMETRY. Bowser. Plane and Solid.
Prof. Letcher and Mr. McAlister, 2 credits, 2, 4-9 a. m.

5.—TRIGONOMETRY AND ANALYTICAL GEOMETRY. Wheeler,
 Nichols.
Prof. Letcher, 5 credits, 1, 2, 3, 4, 5-12 m.

MINOR LATIN.

Prescribed for the A. B. Degree,

The Roman Method of pronunciation is used in the University.

18.—FIRST YEAR LATIN. (*3 divisions.*) Coy's Latin Lessons; Day in Ancient Rome, Shumway; Private Life of the Romans, Preston and Dodge; Creighton's History of Rome.

Prof. Hawthorne, 5 credits, 1, 2, 3, 4, 5-8 a. m., 9 a. m., 12 m.

19.—SECOND YEAR LATIN. Allen and Greenough's Grammar; Allen and Greenough's Caesar; Allen's Prose Composition; Two Orations of Cicero, Allen and Greenough.

Prof. Johnson, 5 credits, 1, 2, 3, 4, 5-10 a. m., 12 m.

20.—THIRD YEAR LATIN. Four Orations of Cicero, Allen and Greenough; Nine Books of Virgil, Allen and Greenough. Prose Composition.

Prof. Johnson, 5 credits, 1, 2, 3, 4, 5-8 a. m.

MINOR GREEK.

25.—SECOND YEAR, *First Semester.* First Greek Book, Gleason and Atherton. Ginn & Co.'s Classical Atlas. Five times weekly.

Second Semester. Xenophon's Anabasis, Harper and Wallace. Goodwin's Greek Grammer. Five times weekly.

Prof. Straub, 5 credits, 1, 2, 3, 4, 5-11 a. m.

26.—THIRD YEAR, *First Semester.* Xenophon's Anabasis, Books I, II, IV. Sanford's Greek-word list. Mahaffy's Old Greek Life. Four times weekly. 131.—Greek Prose Composition, Jones. Once weekly.

Second Semester. Anabasis, sight reading, Books V, VI, VII. Special study of Greek Preposition, Adams. Cebes' Tablet, Parsons. Homer's Odyssey, Book VI, Bain. Fyffe's History of Greece. Four times weekly. Greek Prose Composition, once weekly.

Prof. Straub, 5 credits, 1, 2, 3, 4, 5-12 m.

MINOR GERMAN.

Prescribed for the Degrees B. S. and B. L.

31.—BEGINNING GERMAN, *First Semester*. Collar's Shorter Eisenbach; Dreyspring's Easy Lessons; Märchen und Erzählungen, Guerber; German Conversation.

Second Semester. L'Arrabbiata, Heath; Høher als die Kirche, Heath; Garmelshausen, Heath; Schiller's Taucher, Heath; Kleine Geschichten, Bernhardt; Translation from English to German, alternative English Exercises, Lewis; German Conversation.

Prof. Straub, 5 credits, 1, 2, 3, 4, 5-9 a. m.

32.—ADVANCED GERMAN. *First Semester*. Sturm's Immensee, Bernhardt; Schiller's Der Geisterseher, Joynes; Die Hochzeitsreise, Heath; Hauf's Das Kalte Herz, Heath; Daily Translations into German; German Conversation.

Second Semester. Gore's German Science Reader; Bernhardt's Selections of Goethe's Meisterwerke; Goethe's Sesenheim, Heath; German Syntax; German New Testament.

Prof. Straub, 5 credits, 1, 2, 3, 4, 5-10 a. m.

MINOR FRENCH.

Prescribed for the Degrees B. S. and B. L.

36.—SECOND YEAR, *First Semester*. Van Daell's Introduction to the French Language; Super's French Reader.

Second Semester. Erkmann-Chatrian's Waterloo; Easy Prose.

Miss Murch, 5 credits, 1, 2, 3, 4, 5-11 a. m.

37.—THIRD YEAR, *First Semester*. Classic French Plays; Moliere's Les Precieuses Ridicules, Le Misanthrope, L'Avare; Corneille's Le Cid and Horace; Racine's Athalie and Esther. Exercises in French Syntax and Composition during the whole year.

Second Semester. Luquien's Popular Science.

Miss Murch, 5 credits, 1, 2, 3, 4, 5-8 a. m.

MINOR ENGLISH.

Prescribed for all Degrees.

46.—ACADEMIC ENGLISH GRAMMAR. Baskerville and Sewell; The more difficult portions of English Grammar with analysis and parsing of English Classics.

Prof. McElroy, 3 credits, 1, 3, 5-11 a. m. and 1, 3, 5-2 p. m.

47.—FIRST YEAR ENGLISH COMPOSITION. (*3 divisions.*) This course gives drill in the fundamentals of composition: punctuation, construction, diction, the sentence; through constant practice in writing exercises in class-room and out; under letter writing, paraphrase, abstract, description and narration. Text-book, Lockwood's Lessons in English.

Miss DeLashmutt, 1 credit, 2-2 p. m. and 5-3 p. m.

48.—SECOND YEAR ENGLISH COMPOSITION. (*2 divisions.*) This course gives drill (1) in the fundamentals of composition; (2) in the relation of clauses, sentences and paragraphs; (3) in the special qualities of style: through constant practice in writing exercises under rhetorical rules, short narrations, descriptions, and character sketches. Text-book, Genung's Outlines of Rhetoric.

Miss DeLashmutt, 1 credit, 1-1 p. m. and 2-3 p. m.

104.—THIRD YEAR ENGLISH COMPOSITION. This course gives training in the organization of material. It gives constant practice in the structure of the sentence and paragraph and composition under the four forms of discourse: narration, description, exposition and argument. Text-book, Genung's Outlines of Rhetoric.

Miss DeLashmutt, 1 credit, 1-1 p. m. and 5-11 a. m.

53.—FIRST YEAR ENGLISH LITERATURE. (*3 divisions.*) This course includes the study of brief biographies of important American authors, a great deal of reading in class and out, class discussions and student reports consisting of outlines, paraphrases and character sketches. Works read are selected from these American authors and from the books prescribed by the Commission of New England Colleges for the 1897-98 examinations: *Evangeline*, *Sketch Book*, *Twice Told Tales*, *Snow Bound*, *Vision of Sir Launfal*, *Tales of A Wayside Inn*, *Selections from Bryant and Holmes*, *The Ancient Mariner*, *Lady of the Lake*, *Merchant of Venice*. Text used, *Brander Matthews's Introduction to American Literature*.

Miss DeLashmutt, 3 credits, 2, 3, 4-10 a. m., 2, 3, 4-1 p. m.,
2, 4-11 a. m. and 3-3 p. m.

54.—SECOND YEAR ENGLISH LITERATURE. Courses 54 and 102 are given to General English Literature. The same methods are used in 54 as in course 53. Works read: *Merchant of Venice*, *Lady of the Lake*, *Marmion*, *The Vicar of Wakefield*, *Silas Marner*, *Enoch Arden*, *The Ancient Mariner*, *Webster's Bunker Hill Oration*, *Irving's Tales of a Traveller*.

Miss DeLashmutt, 2 credits, 1, 5-8 a. m. and 1, 5-2 p. m.

102—THIRD YEAR ENGLISH LITERATURE. This course continues the study of General English Literature. The same methods are used as in Course 53 and also special attention is given to historical setting, criticism of style, and comparison of authors. Works read: As you like it, Defoe's History of the Plague in London, Burke's Speech on Conciliation with America, Milton's Paradise Lost (Books I and II), Macaulay's Life of Samuel Johnson, Scott's Marmion, Tennyson's Princess and Idylls of the King.

Miss DeLashmutt, 2 credits,

2, 4-9 a. m.

Books Prescribed for Entrance Examinations by the Commission of New England Colleges.

1897.

FOR READING:—Shakespeare's "As You Like It;" Defoe's "History of the "Plague in London;" Irving's "Tales of a Traveller;" George Eliott's "Silas Marner."

FOR STUDY:—Shakespeare's "Merchant of Venice;" Burke's Speech on "Conciliation with America;" Scott's "Marmion;" Macaulay's "Life of Samuel Johnson."

1898.

FOR READING:—Milton's "Paradise Lost" (Books I and II); Pope's "Homer's Iliad;" "The Sir Roger De Coverly Papers;" Goldsmith's "The Vicar of Wakefield;" Coleridge's "The Rhyme of the Ancient Mariner;" Southey's "Life of Nelson;" Carlyle's "Essay on Burns."

FOR STUDY:—Shakespeare's "Macbeth;" Burke's Speech on "Conciliation with America;" De Quincey's "Flight of a Tartar Tribe."

MINOR SCIENCE.

13—GENERAL CHEMISTRY. Remsen's Briefer Course. This course is required of all students taking regular courses. There are two recitations or lectures each week and four hours laboratory work. The recitations and lectures cover the ground generally gone over in courses in General Chemistry in the schools and Colleges of the country. Especial attention is given to the laws of Theoretical Chemistry, the periodic law, and recent discoveries of interest.

Laboratory work is considered of prime importance. In the laboratory students will perform experiments illustrative of the work done in the text book and will prepare all the common inorganic compounds. This is such a course as is needed by students intending to pursue the study of Pharmacy. Prescribed for all third year students.

Prof. McClure and Mr. S. H. McAlister, 4 credits, First Division, 2-8 a. m. and 4-10 a. m. Second Division, 2-10 a. m. and 4-2 p. m.

75.—PHYSICAL GEOGRAPHY. Lectures.

Prof. Condon, 2 credits,

3, 5-1 p. m.

103.—HUMAN PHYSIOLOGY, Martin's Human Body, (larger edition.) Recitations and demonstrations. Prescribed for all third year students. Laboratory work during First Semester, 2 hours each week. Laboratory guides: Marshall's The Frog, An Introduction to Anatomy and Histology, and Laboratory Directions for Dissection of a Mammal.

Prof. Washburn, 2 credits,

3, 5-9 a. m.

17.—BOTANY (PLANT BIOLOGY.) One hour recitation or lecture and two hours laboratory work. This course consists in study of cryptogams for the first twenty-five weeks, structure and life history of Yeast, Bacteria, Spyrogyra, Moulds, Rockweed, Lichens, Mosses and Ferns. The latter part of the year is taken up with the structure of flowering plants and practice in identification. This course is recommended to those intending to study pharmacy. Text-books: Rattan's California Flora, Parker's Elementary Biology, (optional.) Laboratory Guide, Dodge's El. Prac. Biology.

Prof. Washburn, 2 credits,

3-3 p. m.

MINOR ECONOMICS AND HISTORY.

43.—ECONOMICS. Elements of Economic Science. This course is introduced by a review of the leading facts of modern industrial history. A study of the general principles of Political Economy follows. The latter part of the course is taken up with discussions of practical economic questions, recitations, lectures and assigned readings.

Prescribed in the Second Year of the Literary, Business, Pedagogical and English courses.

Prof. Young, 3 credits,

3, 4, 5-1 p. m.

61.—ANCIENT HISTORY. A brief outline of Oriental History and a more particular study of the history of Greece and Rome. Text-book: Meyer's Ancient History. Introductory lectures on primitive civilizations and pre-historic migrations.

Prescribed in First Year of all courses.

Prof. Condon, 3 credits, 1, 3, 5-10 a. m., 1, 2, 4-11 a. m.,
1, 4, 5-2 p. m.

42.—AMERICAN HISTORY. A general survey. Facts will be organized to show the lines of development of the social, political, and

economic institutions. The movements of public opinion will be traced.

Topics, readings and reports.

Dean Narregan, 3 credits.

MINOR PUBLIC LAW.

70.—CIVIL GOVERNMENT. American institutions considered with reference to their origins. Special attention is given to civil government in Oregon. Text-book and assigned reading. Required in Second Preparatory Year of English, Business and Pedagogical courses.

Prof. Young, 2 credits,

2, 4-9 a. m.

MINOR PEDAGOGY.

106.—FIRST YEAR PEDAGOGY. School Management and Methods; Text-book, Brooks. Theses by Students. Systems of Elementary Education Compared. Text-books, The several State School Laws, and Boone on Education in the United States. Theories of Teaching. Text-books, Page, Wickersham.

Prof. McElroy, 4 credits.

125.—SECOND YEAR PEDAGOGY. Normal Outlines of Public School Studies prepared by students. Lectures by Instructor. School Supervision, Theses by students. Text-book, Pickard. Psychology applied to the Art of Teaching. Text-book, Baldwin. Theses by students. Lectures by Instructor.

Prof. McElroy, 5 credits.

MINOR ELOCUTION.

Prescribed in place of one recitation in all Minor Literature classes once in two weeks.

FIRST YEAR. 1.—Vocal Expression: Fundamental characteristics of naturalness. Sequence of ideas and conception. 2.—Vocal training: Correct method of breathing, articulation, and pronunciation. 3.—Normal adjustment of the body for expression.

Prof. Baright.

SECOND YEAR. 1.—Vocal Expression: Correct mental action in reading and speaking. Study of American poets. 2.—Vocal Training: Essential qualities of tone, ease and purity. 3.—Development of ease and repose in poise.

Prof. Baright.

THIRD YEAR. 1.—Vocal Expression. Method in narration and description. Study of Lyrics and short poems. 2.—Vocal Training. Essential qualities of tone, openness and support. 3.—Elementary pantomime.

Prof. Baright.

THE MAJOR SCHEDULE.

ADVANCED PEDAGOGY.

Intended for teachers who have earned the equivalent of 62 credits or more in a good Normal School and received its diploma. The number of credits to be earned is 68. This schedule leads to the degree Master of Pedagogy or Bachelor of Arts if Latin, and German or Greek are elected. The studies are elective with the exception of History and Philosophy of Education, Economics, English Literature, Rhetoric, History of Philosophy, Mental Science and English Composition.

PHYSICAL TRAINING.

For Teachers in the Public Schools and Directors of Physical Education in Gymnasiums and Athletic Clubs. This course leads to a Diploma and the title Director of Physical Education. It is open only to students who have earned the equivalent of 62 credits.

(The figures show the number of recitations per week.)

First Year.—(Theoretical) Anatomy, 3; Physiology, 3; Elementary Chemistry, 4; Elementary Physics, 4; Swedish Theory, Kinesiology, 1; Anthropometry, 1; Hygiene, 1; (Practical) American Gymnastics, Swedish Gymnastics, Voice Training, Methods of conducting squad, class and division exercises.

Second Year.—(Theoretical) Physiology of Exercise, 4; Physical Diagnosis, 2; Swedish Theory, 2; German Theory, 1; Pedagogy, 5; Psychology, 5; Anthropometry, 1; (Practical) Measuring, Testing, Tabulating and Charting; Advanced light and heavy Gymnastics; Artistic Gymnastics; Swedish and German Gymnastics; Public school teaching.

BACHELOR OF ARTS.

The prescribed work is: Latin, 7; Greek or German, 4; Physics, 4; English Literature, 3; Rhetoric, 4; History of Philosophy, 4; English, 4; Economics, 3.

German can not be substituted for Greek unless two Minor Courses have been taken. The rest of the 68 credits are elective, but students will generally act wisely to follow the schedule printed here:

Freshman Year.—Greek, 3; Latin, 4; Physics, 5; General English Literature, 3; English Composition, 1; Hygiene, 1.

Sophomore Year.—Greek, 3; Latin, 3; Rhetoric, 4; French, 5; English Composition, 1; Hygiene, 1.

Junior Year.—Greek or Latin, 2; European History, 3; Economics, 3; Geology, 4; Constitutional Law, 2; Sociology, 1; English Composition, 1; Hygiene, 1.

Senior Year.—Greek or Latin, 2; History of Philosophy, 4; History of Civilization and Medieval History, 3; Psychology, 3; Ethics and Logic, 2; Elizabethan Literature, 2; English Composition, 1; Hygiene, 1.

BACHELOR OF SCIENCE.**With Preparatory Latin.**

The prescribed work is: German, 14; French, 5; Rhetoric, 4; Calculus, 5; Physics, 4; Economics, 3; English Literature, 3; English, 4. The rest of the 68 credits are elective, but students will find the following schedule a useful guide:

Freshman Year.—English Composition, 1; German, 5; Physics, 5; Calculus, 5; Hygiene, 1.

Sophomore Year.—English Composition, 1; Laboratory Chemistry, 4; Advanced Physics, 5; Differential Equations, 5; General Zoology, 3; French, 3; German, 5; Rhetoric, 4; Hygiene, 1; (The student is expected to elect 17 credits under the regulations prescribed elsewhere.)

Junior Year.—English Composition, 1; Solid Analytical Geometry, 2; Advanced Chemistry, 4; Mechanics, 4; German, 2; Geology, 4; Economics, 3; Anatomy, 3; Hygiene, 1. (The student is expected to elect 17 credits.)

Senior Year.—English Composition, 1; Electricity and Magnetism, 3; Modern Analytical Geometry, 2; History of Philosophy, 4; Elizabethan Literature, 2; German, 2; General English

Literature, 3; Normal Histology and Embryology, 2; Hygiene, 1. (The student is expected to elect 17 credits.)

BACHELOR OF SCIENCE.

WITH PREPARATORY GERMAN.

The prescribed work is the same as for B. S. with Latin, except that only 7 credits in German are prescribed in College work.

BACHELOR OF LETTERS.

The prescribed work is: German, 7; French, 5; Calculus, 5; Rhetoric, 4; English Lit., 3; History of Philosophy, 4; Economics, 3; Mental Science, 5; English 4. The rest of the 68 credits are elective, but students will find the following schedule a useful guide:

Freshman Year.—English Composition, 1; German, 2; Gen. English Lit., 3; Calculus, 5; Hygiene, 1; Physics, 5.

Sophomore Year.—English Composition, 1; French, 3; Rhetoric, 4; Anglo Saxon, 2; European History, 3; Hygiene, 1; Modern English Lit., 3.

Junior Year.—English Composition, 1; German, 2; French, 2; American Lit., 2; Constitutional Law, 2; Economics, 3; Medieval History, 3; Hygiene, 1; Sociology, 1.

Senior Year.—English Composition, 1; History of Philosophy, 4; Elizabethan Lit., 2; Psychology, 3; Ethics and Logic, 2; Shakespeare, 3; German, 2; Hygiene, 1.

DESCRIPTION OF THE MAJOR COURSES.

The University of Oregon offers 131 courses which earn credits. They are grouped in Major and Minor Courses and so arranged that a student who desires to do special collegiate work in any department can elect the corresponding Major Course. The head of that department will be his adviser and will take a particular interest in his work and welfare. The Minor Courses are all scheduled as preparatory work for the present.

MAJOR MATHEMATICS AND ASTRONOMY.

Prof. Letcher and Mr. McAlister.

In this department both theory and practice are kept in view. The student deduces new truths from those already known and applies mathematical principles to solve practical problems.

Text-books are used in all the classes, but in the more difficult and advanced portions of the work, the instruction is largely supplemented by lectures.

At all times, thoroughness and accuracy are insisted upon, and orderly and logical demonstrations in the class room, are required of each student.

6.—CALCULUS. Osborne, Byerly. Prescribed for the Degrees B. S. and B. L. and in Engineering courses.

Prof. Letcher, 5 credits, 1, 2, 3, 4, 5-2 p. m.

7.—DETERMINANTS, THEORY OF EQUATIONS AND DIFFERENTIAL EQUATIONS. Chapman, Johnson.

Prof. Letcher, 5 credits, 1, 2, 3, 4, 5-10 a. m.

127.—HIGHER ALGEBRA.

Prof. Letcher, 3 credits.

8.—SOLID ANALYTICAL GEOMETRY. Smith. Essential for Advanced Physics, Engineering and Higher Mathematics; must follow Calculus.

66.—MODERN ANALYTICAL GEOMETRY. The methods of Clebsch. Essential for the higher Mathematics; must follow Calculus.

79.—SURVEYING. The Surveying department is provided with the following instruments: Surveyor's Transit, Burt's Solar Compass, Plane-Table, with the best modern improvements and attachments; Compass with graduated limb reading to minutes, Vernier Compass, Engineer's Y-level, Sextant, Polar Planimeter, Mercurial Barometer, Aneroid Barometer, 8-inch Vernier Protractor reading to minutes, Leveling Rods, Ranging Poles, Engineer's and Gunter's Chains, Steel Tape, etc.

Students are taught to determine the true meridian by observations on the Pole Star with the transit, as well as by the solar compass; and then, by comparing the direction of the needle with the true meridian, to determine the variation of the needle. The ordinary operations of land surveying with chain and compass or transit are extensively practiced by the students, together with the draughting of plots, computation of areas, etc. Ample practice is also given in the determination of inaccessible heights

and distances by angular measurements, and also in measuring heights with the mercurial and aneroid barometers. Students learn to use the plane-table in making plots of the courses of streams, bodies of water, plats of land, and general topographical features. They learn also the methods of stadia measurements, and the calculation of areas by the polar planimeter. The best methods of differential and profile leveling, establishing grades, etc., are practically applied.

Mr. McAlister, 4 credits, 2-10 a. m. Field work 6 hours a week.

126.—HIGHER SURVEYING. Students in this course will have access to the large transit instrument at the observatory and the sidereal clock, to establish a true meridian with greater precision than is possible with the ordinary surveyor's transit, and to determine time, longitude and latitude by astronomical observations. The course includes Topographic, Hydrographic, Mining and Geodetic Surveying.

For all field work the class is divided into parties of two or three, and individual work is insisted upon as far as practicable.

It is expected that the various additional instruments made necessary by the new courses in Engineering will be supplied in time for the work of the coming year.

Mr. McAlister, 3 credits, Field work 4 hours a week.

73.—ASTRONOMY. Spherical, Practical and Descriptive Astronomy. Lectures and Observatory work. The most useful formulæ relating to the positions of the heavenly bodies are developed in the four principal systems of co-ordinates now in use; and the students are taught to apply these practically in the observatory to such problems as the determination of longitude and latitude, establishment of a true meridian, determination of sidereal time, apparent and mean solar time, standard time, the time of rising and setting of any heavenly body, prediction of eclipses, etc. The Observatory is provided with a good transit instrument, a sidereal clock, and a sextant with artificial horizon.

Mr. McAlister, 3 credits, 1, 3, 4-1 p. m.

MAJOR PHYSICS.

Professor Friedel.

9.—ELEMENTARY PHYSICS. The University offers two courses in Physics, an elementary course, for Freshman students, and an advanced course for such students as have already completed

some adequate elementary course. Instruction in both courses is given by lectures; four times a week in the elementary course and four times in the advanced course. Students taking the elementary course are expected to keep a permanent record of the lectures in as complete a manner as possible, and to submit this record from time to time to the instructor for criticism. In the elementary course it is the purpose to present the subject in its more general aspect. The course of lectures extends through the year and takes up successively the topics of Mechanics, Acoustics, Heat, Light, Optics, Electricity and Magnetism. In scope, the aim for the ensuing year will be about that contained in Ganot's text-book. In addition to the lecture work each student is required to spend at least two hours a week in the laboratory, and he is expected to carry out in a satisfactory manner not less than one hundred experiments during the year. The results of these experiments must be written up in good form and kept for reference in a separate note-book.

Prof. Friedel, 5 credits, 1, 2, 4, 5-9 a. m. 2 hours laboratory work weekly.

10.—ADVANCED PHYSICS. The course in Advanced Physics presupposes not only a thorough mastery of the principles given in the elementary course but a good working knowledge of calculus, and differential equations.

The aim of this course will be to give, as far as the time will permit, a thorough mathematical treatment of the fundamental principles of Analytical Mechanics, Electricity and Magnetism, Heat, Light and Sound. Such text-books as Maxwell's Matter and Motion, Maxwell and Clausius's Theory of Heat, Preston's Theory of Light, Emtage's, and Mascart and Joubert's Electricity and Magnetism, and others will be placed in the hands of students as reference and supplementary text-books.

Whenever students shall have sufficient training in Mathematics and a demand is manifested, separate courses in Analytical Mechanics, Dynamics of a Particle, Rigid Dynamics, Geometrical Optics, and Fourier's Theory of Heat will be given. The University is fortunate in having secured from Europe during the past year considerable additional apparatus of the very best make and finish. With the still further additions to be made before the beginning of the new college year, it will be possible to offer a grade of laboratory practice quite equal to that given in the better colleges and universities of the country. The Physical Laboratory is roomy and is fitted up with gas and water supply, as well as with electrodes for electric currents from dynamos and accumulators. In the matter of thorough and complete provision with delicate balances, mirror galvanometers, rheostats, cathetometers, spectrometers, polariscopes, thermo-electrical ap-

paratus, projection apparatus and apparatus for work in radiant energy, few laboratories in the country are better equipped.

The establishment of a workshop in connection with the department of Physics has proven an invaluable aid. Apparatus which has become damaged in use is not only readily repaired, but new apparatus is constantly being constructed. The shop is open to the students of the department and offers an excellent opportunity towards securing that intimate acquaintance with finer details that only the actual construction of apparatus can furnish.

Original investigations are carried on in the private laboratories throughout the year by the instructors, and students are invited to familiarize themselves with the methods employed. Whenever students shall have sufficient training to undertake profitably original work, both opportunity and apparatus will be provided for this purpose.

Prof. Friedel, 6 credits, 1, 2, 3, 4-8 a. m. 4 hours laboratory work weekly.

11.—ADVANCED MECHANICS.

Prof. Friedel.

12.—ELECTRICITY AND MAGNETISM.

Prof. Friedel.

MAJOR CHEMISTRY.

Professor McClure.

The University recognizes the fact that no true scientific work can be done in chemical lines without bringing the student into direct contact with the substances studied, and the entire plan of the course in Chemistry keeps this in view.

The Chemical Laboratories are equipped with desks for individual student work. The desks are of approved pattern and are so arranged that each student has his own locker in which his apparatus can be locked up during his absence. Although the laboratory has sixty-eight of these individual lockers its capacity has been over-taxed during the past year to accommodate the students in Chemistry.

Each student is required to make a deposit of \$5 at the opening of the session to cover loss by breakage. This fee is returned when the apparatus is returned in good order. No charge is made for the use of apparatus but each student is held responsible for breakage.

The laboratories must be enlarged to accommodate the additional courses to be given next year.

In none of the courses is the instruction limited by the text-book but the book is taken as a guide and the course deviates from it as may seem to the best interest of the students.

The courses in Chemistry to be given during the session of 1896-97 are General Chemistry, (see Minor Chemistry) Qualitative Analysis, Quantitative Analysis, Determinative Mineralogy, Metallurgy and Ore Dressing.

15. *A*—QUALITATIVE ANALYSIS. Text-book: Qualitative Analysis, Hill. This course begins with the opening of the session and continues during half the year. It is designed to make the student familiar with the ordinary principles of analytical work. The student works first upon known substances and then passes to the determination of unknown substances, a sufficient number of which are given to insure familiarity with the process of qualitative analysis. Especial attention is given to separations which affect the determination of the precious metals.

This course is chiefly laboratory work but lectures will be given as often as may be necessary.

15. *B*—QUANTITATIVE ANALYSIS. This course follows the course in Qualitative Analysis and is necessary with it to complete the full year's work. It is essentially a laboratory course. It embraces Gravimetric and Volumetric Analysis and will prepare the student to pursue his studies further in the particular line he may wish to follow.

Prof. McClure, 6 credits.

111.—BLOW-PIPE MINERALOGY. Text-book: Determinative Mineralogy and Blow-pipe, Brush. This course embraces the identification by means of the blow-pipe of the crystalline rocks. The text-book is used chiefly for reference, instruction being given by lectures and by laboratory work. The lectures will give an outline of Crystallography. The student will be expected to identify about one hundred unknown minerals, embracing the minerals of common occurrence and of economic importance.

Prof. McClure, 2 credits.

116.—ORE DRESSING. This course will consist of lectures covering the most approved methods of treatment of ores in the United States. The methods used in Europe will be compared with those used in the United States that the student may obtain a comprehensive view of the subject.

Prof. McClure, 2 credits.

117.—METALLURGY. This course is intended to fill a demand which the state has been making for a course in practical work

on the determination of the valuable constituents of the rocks. Attention will be given especially to the methods of assaying gold, silver, copper and lead and such other mineral products as may be of value to the state. Instruction will be given by lectures and students will be given actual work in the processes of assaying.

Prof. McClure, 2 credits.

MAJOR GEOLOGY.

Professor Condon.

16.—GENERAL GEOLOGY. Descriptive Course.

Prof. Condon, 4 credits,

1, 2, 3, 4-9 a. m.

74.—ADVANCED GEOLOGY. Instruction in Economic Geology and Mineralogy, embracing the study of Building Materials, Decomposition of Rocks and Production of Soil; Useful Minerals, their occurrence in Veins and Beds; Coal Deposits, Surface Geology and its Application to Engineering. The work in Mineralogy is mostly blow-pipe analysis.

Students have the use in their daily work of the great Condon Museum.

Prof. Condon, 2 credits.

MAJOR BIOLOGY.

Professor Washburn.

This department is well equipped with microscopes, physiological and other apparatus used in courses in Histology and Embryology. Its museum consists of a working collection of skeletons, models and types to illustrate different groups. A large aquarium which can be used both for salt and fresh water, serves as a material addition to the equipment, not only serving as a reservoir of material for dissection, but also enabling students to study aquatic animals in their native element. The courses are as follows:

67.—GENERAL ZOOLOGY (INVERTEBRATES.) Comparative study of types and the philosophy of classification. The following animals are studied in the laboratory: amœba, vorticella, paramœcium, sponge, coral, hydra, earth-worm, star-fish, sea urchin, grasshopper, clam, snail, squid. Drawings of dissections and notes of personal observations are required. Text-book: Mc-

Murich's Invertebrate Morphology. Laboratory Guide: Marshall & Hurst's Practical Zoology.

Prof. Washburn, 3 credits, 1 recitation or lecture and 4 hours laboratory work.

68.—COMPARATIVE ANATOMY. (VERTEBRATES.) Intended as a continuation of Course 67 and open only to those who have taken Course 67 or who can satisfy the instructor of their fitness for the work.

Laboratory Guide: Parker's Zootomy.

Prof. Washburn, 3 credits, 1 lecture or quiz and 4 hours laboratory work.

69.—NORMAL HISTOLOGY AND EMBRYOLOGY. Lectures, recitations and laboratory work. Time of laboratory work to be arranged with the instructor. Open only to those who have taken Course 68 or who can satisfy the instructor that they are otherwise qualified.

The first semester and about one-third of the second are occupied with the study of mammalian tissues, and with instruction in laboratory technique, methods of staining, imbedding and sectioning tissues. The remainder of the year is spent on the study of the development of a typical vertebrate. Courses 66, 67, 68 and 69 are especially recommended to those who intend studying medicine and to those who are planning to do advanced teaching.

Laboratory Guides and Text-books: Peirsol's Normal Histology and Foster & Balfour's Elementary Embryology.

Prof. Washburn, 2 credits.

110.—ADVANCED PHYSIOLOGY. No student should elect this course who has not done at least elementary work in Chemistry and Physics. The course is open only to those who have taken 67, 68 and 69, or who can satisfy the instructor that they have done equivalent work. Laboratory work consists of experimentations with action of cilia upon ciliated surfaces; properties of contractile tissues and of nervous tissue, digestion, pulse, action of heart, function of liver, blood pressure, optics, etc. Students are expected to learn how to use the kymograph, manometer sphygmograph, cardiograph, etc.

Text-book: Waller's Human Physiology. Laboratory Book: Foster & Langley's Practical Physiology.

Prof. Washburn, 3 credits, 2 hours laboratory weekly, and 2 recitations.

MAJOR PSYCHOLOGY.**Professor Hawthorne.**

45.—EXPERIMENTAL PSYCHOLOGY. In this department nothing will be taken for granted. No theory of mental activity, however plausible, will be accepted, but every step will be clearly and rigidly set forth by experimental work in the laboratory. What can not be proved will be left for further investigation. By the wise judgment of the Regents this department will be thoroughly equipped for all work in experimental and practical Psychology.

There will be apparatus for illustrating observation, recording time, simultaneity, rapidity of thinking, steadiness, attention, force, touch, feeling, smell, hearing and memory.

The entire year will be devoted to Experimental Psychology.

Text-book: E. W. Scripture, Yale University, Thinking, Feeling, Doing.

Prof. Hawthorne, 3 credits,

1, 3, 5-10 a. m.

MAJOR ECONOMICS, HISTORY AND PUBLIC LAW.**Professor Young.**

44.—ECONOMICS. Economic History of Europe and America, and general principles of Economics with their applications to political economic problems.

Recitations, lectures and topics. Required in the Junior Year of all courses.

Prof. Young, 3 credits,

1, 2, 5-11 a. m.

81.—HISTORY OF ECONOMIC THOUGHT. This course includes the history of economic theories in classical antiquity; their development under the influences of Christianity; the environment of Feudalism and movements connected with the Crusades; the rise and growth of Economics as a distinct branch of social science with special attention to the theories of value, monetary science, and theories of distribution and consumption.

Recitations, lectures and investigations. Open to all who have had course 44.

Prof. Young, 2 credits,

1-9 a. m. and 4-11 a. m.

62.—HISTORY OF ENGLAND AND FRANCE. Political and Social

History of England and France from the earliest period to the present time. Text-book, lectures and topics.

Prof. Young, 3 credits,

1, 3, 5-10 a. m.

63.—MEDIEVAL HISTORY. Political and Social History of Continental Europe from the barbarian invasions to the Renaissance. Should precede Courses 127, 128 and 129. Text-book, lectures and topics.

Prof. Young, 3 credits,

1, 3, 5-8 a. m.

127.—MODERN EUROPEAN HISTORY. Beginning with the Renaissance and extending to the French Revolution. Text-book and co-operative topical work.

Prof. Young, 2 credits.

128.—HISTORY OF THE NINETEENTH CENTURY. This course covers the period from 1789 to the present time, and is designed to enable the student to understand current events by showing their connection with recent history. Text-book; lectures and topics.

Prof. Young, 2 credits.

136.—THE HISTORY AND INSTITUTIONS OF OREGON. Every American commonwealth in its organization and the integrity and development of its institutions has an important share in determining the destiny of its people. The individuality of Oregon history and institutions is strong and unique, and should be inspiring to the young men and women who are to be the leaders in the future in the state.

Oregon Territory marked that area of the New World upon which the extending lines of colonization by the nations of the Old World and the vigorous young Republic of the New converged. The characters of the early missionaries and pioneers and the performance of their parts were fully up to the stage setting. The elements, natural and human, that "were mixed" for the forming of the commonwealth of Oregon were of the choicest of all time. This should inspire a zeal on the part of the youth of the state through the wisest and most complete application of the principles of social and economic science to realize a state with lineaments perfected as unique as was the state in its origin.

The course will include the study of the explorations and settlement of the Territory of Oregon; conflicting claims; struggle for possession; pioneer history and provisional government; development of the political, social and economic institutions of the state. Lectures and readings.

Prof. Young, 1 credit.

129.—CONSTITUTIONAL AND POLITICAL HISTORY OF THE UNITED STATES. From the beginning of the Colonial Period to the present time. Text-book, collateral reading and reports.

Prof. Young, 3 credits.

65.—PUBLIC LAW. COMPARATIVE CONSTITUTIONAL LAW OF THE PRINCIPAL EUROPEAN STATES AND OF THE UNITED STATES. This course comprises a comparison of the provisions of the constitutions of England, United States, France and Germany; the interpretation of the same by the legislative enactments and judicial decisions of the states, and the generalization from them of the fundamental principles of public law common to them all. Text-book and reports.

Prof. Young, 2 credits,

2, 4-10 a. m.

130.—AMERICAN CONSTITUTIONAL LAW. American institutions are considered with reference to their structure, practical working and the forces back of them. Text-book, papers and collateral reading.

Prof. Young, 2 credits.

97.—INTERNATIONAL LAW. This course treats of the general principles of international law, as it has been developed by positive agreement, in the form of treaties and conventions, and by common usage, as shown in legislation, in decisions of international tribunals, and in the conduct of nations. Text-book and reports.

Prof. Hawthorne, 1 credit,

5-11 a. m.

40.—GENERAL SOCIOLOGY. This course includes the history of sociological theory; an analysis and classification of social phenomena; an exposition of the natural evolution of social activities and arrangements from their beginnings; an exploration of the social forces and laws so far as they are yet apparent. These principles will be applied along the different lines of social reform. Lectures, field-work and reports.

Prof. Young, 1 credit,

3-11 a. m.

MAJOR GREEK.

Professor Straub.

This department offers six years of Greek. The courses presented below are subject to such change and modification as the necessities or special ability of each class may demand. The first year in any study is the critical period, and upon the thoroughness of the work done in that year, depends the student's

like or dislike to the study. Realizing this, there is no attempt made to cover much ground the first year, but ample opportunity is given for a thorough understanding of every point touched upon. The declensions and conjugations must be mastered and the principal parts of the more common irregular verbs well memorized. Indirect discourse, conditional clauses, participles, etc. are made subjects of special study, and after a year's earnest work these will present no insurmountable difficulties to the student.

During the second year, while the above points are still kept in view and frequently referred to, the student's energies are directed towards acquiring a good working vocabulary, without which the study of any language is and remains mere drudgery. The beauties of the literature and the thought of the writer are lost sight of in the effort to remember the meanings of the words. The first two years of Greek contain in them nearly all the hard work, the drudgery, of the Greek course. Of course, even here, it is not all drudgery, for the story of the journey of the immortal "Ten Thousand" reads like a fairy tale, and Cebes' Tablet is another "Pilgrim's Progress."

Beginning with the third year, more attention is paid to the literary features of the authors read. Grammatical questions are discussed more rarely and principally only to enable the student to interpret the text critically in order to bring out the author's meaning. The works of the poets are studied with a view to a comprehensive understanding of the structure of the poems, the rhythm, poetic forms of words, etc. In the study of the orators and historians, it is attempted to make prominent the connection of thought and of the events.

Sight reading is practiced as frequently as possible from the very beginning, and about eight weeks are devoted to reading Books IV-VII of the Anabasis by sight. Supplementary private reading is also arranged for whenever it is deemed necessary.

Ancient Geography is taught incidentally; and a good course in Mythology, by text-book and lectures, is also given in this department.

27.—COURSE A. *First Semester.* Homer's Iliad, Seymour; Books I-VI, Jebb's Homer; Required reading: Gladstone's Homer; New Testament Greek. Four times weekly. 132.—Greek and Roman Mythology, Guerber. Once weekly.

Second Semester. Herodotus, Johnson; Stein's Dialect of Herodotus; Anacreontics, Flagg; Four Orations of Lysias, Whiton; Demosthenes, Philippics, Tarbell. Four times weekly.

Greek and Roman Mythology. Once weekly,

Prof. Straub, 3 credits.

Greek Mythology, 1 credit,

1, 2, 4-10 a. m.

4-8 a. m.

28.—COURSE B. *First Semester.* Demosthenes, De Corona, D'Ooge; Goodwin, Moods and Tenses; Sophocles, Antigone, D'Ooge; Sidgwick, Greek Prose Composition; Required reading: Bredif's Life of Demosthenes. Three times weekly.

Second Semester. Aeschylus, Prometheus, Wecklein; Thucydides, Morris; Odyssey, selections from Books XII-XXIV; Xenophon, Memorabilia; Greek Literature, Morris; Prose Composition. Three times weekly.

Prof. Straub, 3 credits,

2, 3, 5-8 a. m.

29.—COURSE C. *First Semester.* Plato, Apology and Crito, Dyer; Medea of Euripides, Allen; Pindar, Odes, Seymour; History of Greek Philosophy, Burt or Mitchell. Three times weekly.

Second Semester. Euripides, Bacchantes, Beckwith; Aristophanes, Frogs, Acharnians or Clouds; Plato, Gorgias, Lodge; The Greek Theatre and Drama. Three times weekly.

Prof. Straub, 3 credits.

30.—COURSE D. *First and Second Semester.* Sophocles, Oedipus, White; Aeschylus, Seven against Thebes, Flagg; The Idylls of Theocritus; Oratory among the Greeks.

Prof. Straub, 2 credits.

MAJOR LATIN.

Professor Johnson.

21.—LATIN A. Prose Composition, Preble and Parker; De Senectute and De Amicitia, Long; Catullus, Merrill; Two Books of Livy, Greenough; Terence, Andria, Warren; Plautus, Captives, Morris;

Prof. Johnson, 4 credits,

1, 2, 3, 4-1 p. m.

22.—LATIN B. Prose Composition; Annals of Tacitus; Odes and Epodes of Horace, Smith.

Prof. Johnson, 3 credits.

23.—LATIN C. Satires of Juvenal, Wright; Satires and Epistles of Horace, Greenough.

Prof. Johnson, 2 credits.

24.—LATIN D. Lucretius; Cicero's Tusculan Disputations.

Prof. Johnson, 2 credits.

MAJOR GERMAN.

Professor Straub and Miss Murch.

The aim of this department is to enable a student to speak German with ordinary facility and to read not only easy German but also works on Science, Philosophy etc., with a reasonable degree of accuracy and ease.

This result is brought about by careful grammatical drill, copious reading and last but by no means least, the acquisition of a comprehensive vocabulary. In addition to this, as soon as practical and profitable, the German language is used as the medium of instruction and conversation. At the close of the second year a student ought to be able to engage in the ordinary conversation of the day, and to understand lectures or sermons delivered in German. In the third and fourth years the classic masterpieces are taken up and studied in connection with such historical material as will throw light upon the epoch in which they were written.

In the advanced years, in connection with the regular reading, a systematic study of the history of German literature is undertaken.

33.—GERMAN CLASSICS. *First Semester.* Schiller's *Der Neffe als Onkel*, Heath; Hoffman's *Historische Erzählungen*, Heath; Riehl's *Der Fluch der Schoenheit*; Korner's *Zriny*.

Second Semester. Lessing's *Nathan der Weise*; Wenckebach's *Deutsche Literatur-geschichte*; White's *Heine's Poems*, Heath; Goethe's *Faust (Part 1.)*

Miss Murch, 2 credits,

1, 5-1 p. m.

34.—GERMAN DRAMA AND FICTION. *First Semester.* Freytag's *Die Journlisten*, Toy; Schiller's *Wilhelm Tell*; Goethe's *Egmont*.

Second Semester. *Wallenstein*; Three Parts; Historical Novels by Prof. Ebers and others.

Miss Murch, 2 credits,

2, 4-9 a. m.

35.—GÖTTE AND SCIENTIFIC PROSE. *First Semester.* *Life and Works of Goethe.*

Second Semester. *Scientific German Prose.*

Miss Murch, 2 credits.

MAJOR FRENCH.

Miss Murch.

38.—CLASSIC PROSE AND MODERN POETS. Rousseau, Bossuet, Chateaubriand, Alfred de Musset, Victor Hugo.

Miss Murch, 3 credits,

1, 3, 5-12m.

39.—FRENCH PROSE. Rousseau, Voltaire, Renan, Victor Hugo.

Miss Murch, 2 credits,

2, 4-12 m.

MAJOR ENGLISH.

Professor Carson.

Four objects are contemplated in these courses:

1.—A scientific knowledge of the origin and development of English Literature in general and of special periods in particular.

2.—A scientific knowledge of the laws of written and of spoken discourse.

3.—An ability to appreciate, enjoy and justly criticise the best in English Literature.

4.—Proficiency in English composition.

The first and third objects are reached through lectures, the study of texts, the reading and discussion of English classics and student reports; and the study of Anglo-Saxon and early English. The second object is reached through the study of Rhetoric and Criticism, and the analysis of masterpieces in English composition. The fourth object is reached by regular practice throughout the courses of study in writing essays, criticisms, forensics and orations.

60.—RHETORIC AND CRITICISM. Prescribed for all Sophomores.

In order to develop the logical sense and command of language, lessons are recited from outlines and by topics. A good deal of written work is done to develop accuracy, originality and creative power. Taste and love of good reading are educated through criticism of choice extracts of standard literature. The first half of the year is given to the study of style, and exercises are written giving special attention to diction, figures and structure of sentences and paragraphs. The second half of the year is given to invention. The laws governing the choice and arrangement of material are made prominent, also the peculiar characteristic of each form of discourse. Exercises are written illustrating the essentials of description, narration, exposition and the different forms of argument. Text-books: Genung's Practical Rhetoric and Genung's Rhetorical Analysis.

Prof. Carson, 4 credits,

1, 2, 3, 5-11 a. m. and 12 m.

English Composition. The following courses in English Composition comprise papers under description, narration, exposition, criticism, and comparison, followed by forensics, analysis

of masterpieces of argumentative composition and orations.

Occasionally short stories and vivid portrayals are written to secure graphic and sympathetic expression of thought. Under these various headings topics are assigned and an effort is made to refer to many phases of widely different subjects, so that every student may have opportunity to pursue some favorite line of thought or investigate some valuable question. Students are encouraged to utilize material prepared for other Departments. Great stress is laid on the clear, forcible, elegant presentation of thought. Every essay must develop some orderly arrangement; every forensic must be an effort to decide some definite question in the affirmative or negative. All students have access to the valuable library of the University. Assistance is given by referring them to authors and articles relating to their assigned topics and they are encouraged to read widely and intelligently under an orderly outline of thought. But emphasis is laid on the original treatment of topics, in so far as that is possible. Mere summaries from book notes or encyclopædias will not be acceptable. It will not be admissible to quote without using quotation marks or naming the author. Subjects of imaginary or local interest are often assigned, upon which there can be no printed information, so as to require of the student independent thought. All students are urged to be accurate in neatness of arrangement, spelling and punctuation, grammatical construction and figurative expression. Every paper, after criticism, is handed back to the student for correction, and so far as time will allow, is read in class, and its excellencies and defects are discussed. In the Junior and Senior courses in orations, lectures are given concerning the differences between spoken and written discourse, the characteristics of the oration as well as the higher arts of composition.

49.—NARRATION AND DESCRIPTION. Prescribed for all who have passed in Course 104. The aims of this course are (a) to stimulate an interest in literature for its own sake; (b) to secure accuracy in grammatical forms; (c) to develop confidence and ability in writing. Three methods are used: (1) the analysis in class of choice bits of literature; (2) constant practice in writing exercises in class and outside under grammatical rules and requirements; (3) the preparation of six short themes under narration and description. Text-book: Buehler's Practical Exercises in English.

Prof. Baright, 1 credit,

2-2 p. m. and 5-11 a. m.

50.—CRITICISM, EXPOSITION AND ARGUMENT. Prescribed for all who have passed in Course 49. This course is closely connected with Course 60. It aims to give a practical knowledge (a) of the principles of English prose style; (b) of the organizing of discourse from the choice of words up. Constant practice in writing consists of (a) exercises based on the text-book, written in the class-room and outside and (b) the preparation of six themes accompanied by outlines, illustrating the principles of rhetoric under criticism, exposition and argument. Text-

books: Genung's Practical Rhetoric, and Carpenter's Exercises in Composition.

Prof. Carson, 1 credit,

1-10 a. m. and 1-2 p. m.

51.—FORENSICS AND ORATIONS. Prescribed for all Juniors who have passed in Course 50 excepting such as elect Course 133. Course 51 consists of (1) the drawing of two briefs from masterpieces of argumentative composition; (2) the study of principles and methods under inductive and deductive arguments and of the qualities and structure of an oration; (3) lectures, consultations and criticism of forensics and orations; (4) the writing of one narration or description, three forensics and one oration each preceded by a brief. Text-books: Barker, Specimens of Argumentation; Bancroft, Composition.

Prof. Carson, 1 credit,

4-8 a. m. and 4-11 a. m.

52.—FORENSICS AND ORATIONS. Open only to Seniors who have passed in Course 51. Seniors who have passed in Course 51 or 133 must elect 52 or 134 or half-courses 135a-135b. Course 52 consists of (1) the drawing of three briefs from masterpieces of argumentative composition; (2) the study of principles of argumentation, special attention being given to evidence, and of methods of persuasion, and to the consideration of motives; (3) lectures, consultations and criticism of briefs, forensics and orations; (4) the writing of two forensics and two orations each preceded by a brief. Text-books: Barker, Principles of Argumentation; Barker, Specimens of Argumentation.

Prof. Carson, 1 credit,

5-2 p. m.

133, 134, 135.—ELECTIVE COURSES IN ENGLISH COMPOSITION. Two elective courses and two elective half-courses in English Composition will be offered in 1896-97. Course 133, 1 credit, in forensics which may be elected instead of 51 by Juniors who have passed in 50; course 134, 1 credit, in forensics which may be elected instead of 52 by Seniors who have passed in 51 or 133; half-courses 135(a)-135(b), 1 credit, which together may be elected instead of 52 or 134 by Seniors who have passed in 51 or 133.

English Literature. 56.—GENERAL ENGLISH LITERATURE. Prescribed for all degrees. This course is a prerequisite for other courses in English literature. It is intended to be a college introduction to the study of literature. It is given through a text-book, Pancoast's Introduction to English literature, and a series of masterpieces: The Faerie Queene, As You Like It, Bacon's Essays, Comus, Lycidas, The Ancient Mariner, The Excursion, Marmion, Essays of Elia, Childe Harold [Cantos III and IV], Silas Marner, The Princess. The aim is to secure these

results: (1) a general knowledge of the great periods in the development of English literature; (2) a definite knowledge and appreciation of a number of English classics.

Miss DeLashmatt, 3 credits,

1, 3, 5-9 a. m.

57.—AMERICAN LITERATURE. Taken in regular course by Juniors. Open to all who have taken course 56.

Course 57 gives an outline of American literary history and the reading and discussion of important works in prose and verse. It is carried on through text-book, Hawthorne and Lemmon, *American Literature*; lectures and student reports. Authors read: Franklin, Cooper, Irving, Poe, Bryant, Longfellow, Emerson, Hawthorne, Holmes, Lowell, Taylor, Lanier.

Prof. Carson, 2 credits,

2, 4-10 a. m.

58.—ELIZABETHAN DRAMA. Taken in regular course by Juniors and Seniors. Course 58 aims to give through lectures a general knowledge of the rise and development of the Elizabethan Drama and through reports, the reading and discussion of plays, a more definite knowledge of the great contemporaries of Shakespeare and of one or two plays of Shakespeare. Thayer, *Best Elizabethan Plays*.

Prof. Carson, 2 credits,

1, 3-10 a. m.

59.—SHAKESPEARE. Taken in regular course by Seniors. This course consists of about ten plays so selected from Dr. Furnivall's classification as to indicate the growth of Shakespeare's mind and development of his art. These plays are examined with special reference to their sources, relative dates and changes in style. An attempt is made to study the art in development of plot and delineation of character. The work is carried on through lectures, reports, class readings and discussions. Principal references consulted: Furness's *Variorum Edition*; Schmidt's *Shakespeare Lexicon*; Saintsbury's *Elizabethan Literature*; Leopold Edition with Dr. Furnivall's Introduction; Dowden; Corson; Hudson; Mrs. Jameson.

Prof. Carson, 3 credits,

2, 3, 5-8 a. m.

96.—ENGLISH PROSE WRITERS OF THE NINETEENTH CENTURY. Macaulay, DeQuincy and Carlyle. This course is open to those who have taken course 56. It will be conducted through lectures, discussions and reports. Text-books: Minto, *Manual of English Prose*; Macaulay; Carlyle on Johnson (ed. W. Struck Jr.); DeQuincy, *Joan of Arc* (ed. Hart.)

Prof. Carson, 3 credits,

1-8 a. m. and 2, 4-9 a. m.

Courses in Victorian Poetry and Victorian Prose are under contemplation.

MAJOR PHILOSOPHY AND PEDAGOGY.

President Chapman and Professor McElroy.

64.—HISTORY OF PHILOSOPHY. During the past year in this course the philosophy of the Nineteenth Century and the philosophy of the Greeks have been studied. A systematic effort was made to bring out the germs of modern thought so far as they exist in the thinking of the Greeks. The following topics were somewhat carefully treated: Milesian school; Eleatic school; The Sophists; Socrates; Plato; Aristotle; Democritus; Spencer. Chapters and selections from various works were also assigned to be read, and brief notes of the readings were handed in. The class instruction was entirely by lectures. The course for 1896-97 will be conducted in a similar way.

Pres. Chapman, 4 credits,

2, 3, 4, 5-9 a. m.

71.—HISTORY OF EDUCATION.

Pres. Chapman, 5 credits.

72.—PHILOSOPHY OF EDUCATION. Courses 71 and 72 are intended for graduates from Normal Schools who wish to continue their professional studies in the University and earn a regular University degree.

Pres. Chapman, 5 credits.

137.—ETHICS AND LOGIC. Papers on subjects from practical life will be required from time to time. Lectures on the origin of moral relations and distinctions. Notes from the Academy of Science. Text-books: Hyde, Hyslop.

Prof. McElroy, 2 credits,

2, 4-10 a. m.

MAJOR PHYSICAL EDUCATION.

Director Wetherbee.

91, 92, 93, 94.—The University Gymnasium is fairly well equipped with good apparatus. Several pieces have been added during the past year, especially instruments to be used in taking physical measurements and strength tests.

The main hall is forty by eighty-five feet, with a twenty-five foot ceiling. The director's office and examining room are on the same floor, and there is also a gallery for spectators in the west end.

The annex contains dressing rooms, lockers, sponge and

shower baths and boiler room. Students can have the use of private lockers for a small fee.

The department is conducted upon strictly scientific principles. The Sargent chart system is used showing the relation of the individual in size, strength, symmetry and development to the normal standard of the same age.

Students may take the physical examination and have their deficiencies prescribed for, or may enter one of the regular classes.

The aims of physical training may be divided into two general classes:

1.—Those that have to do primarily with the body. These aims are: The symmetrical development of the body in size; the acquisition of muscular strength and general vigor; instruction how to control the body exactly, so that it can perform acts that require precision, endurance, quickness, and grace of movement; the training and development of each part of the body so that it performs all its proper functions at the right time and in the right way.

2.—Those aims which have to do primarily with the mind. These are physical judgment; that which enables man to use his strength in the most advantageous way. This calls for delicacy, accuracy; and quickness of the senses, particularly of sight, hearing, and touch. Bodily self-control, which enables a man to keep his head cool and to act carefully in dangerous positions. Physical courage, which comes partly from a knowledge of one's own powers, and also, from the fact of having attacked and mastered difficult things. The habit of looking clearly and calmly at such feats and then carefully proceeding to master them. Determination and endurance or the capacity of long continued exertion, whether of mind or body.

The student electing these courses and continuing through the college years will find them an efficient aid to future efforts, both mental and physical. The work of the course is progressive, changing from year to year, so that students may begin at any time and find work suited to their physical condition.

When the weather is suitable the director encourages a moderate indulgence in healthful out-door exercises, such as rambling and tennis clubs afford.

The students maintain an athletic club, which encourages out-door athletics and is permitted by the faculty to participate to a certain extent in inter-collegiate sports. To entitle a student to a place on any of the University teams he must maintain a standing of 75 per cent in his studies.

Among the student organizations are three foot-ball teams, four tennis clubs, several basket-ball teams and a base-ball club.

Women are admitted to separate classes in the physical department under the same conditions as men.

Medals are given by the director for proficiency in hand-ball, club-swinging and gymnastics.

MAJOR ELOCUTION.

Professor Baright.

The aim of the work in this department is to emphasize the importance of the spoken word in education, and to cultivate a simple, natural and forcible manner of expression.

The object of all training of the body and voice must always be to make them better channels for the transmission of thought and feeling. The whole man should act, not only must he have "words that burn," but tones and inflections, movements and attitudes, which breathe and live with the deepest life of his soul.

With this end in view exercises are given to develop correct control of the breath, strength, purity and flexibility of voice, poise, ease, repose and harmony of attitude; and consistent and appropriate gesture.

Selections from standard authors are memorized and after a private rehearsal are delivered in class.

Every student is expected to appear at least once a year in public work.

The following courses are arranged in the order in which they should be taken by students.

98.—ELOCUTION. 1. Problems in vocal expression, study of miscellaneous selections. 2. Vocal training, emission of tone. 3. Development of poise, ease and responsiveness in the whole organism.

Prof. Baright, 1 credit,

1-11 a. m. and 4-3 p. m.

99.—ELOCUTION. Open to students who have taken course 98. 1. Purposes in vocal expression, tone-color and movement, study of authors by practical rendering. 2. Agility of voice. 3. Laws of gesture and pantomime.

Prof. Baright, 1 credit,

2-9 a. m. 4-11 a. m.

100.—ELOCUTION. Open to students who have taken 98 and 99. 1. Principles of vocal expression, study of monologues and advanced recitations. 2. Resonance and tone-color. 3. Manifestive pantomime, development of unity in the body as an agent of the mind. 4. Study and presentations of scenes from different forms of the drama to develop the powers of conception, and the ability to express every phase of human experience, as a

means of securing ease, simplicity and naturalness in all kinds of speaking.

Prof. Baright, 1 credit,

1-8 a. m. and 3-2 p. m.

101.—ELOCUTION. Open to students who have taken 98, 99 and 100. 1. A study of orations, extemporaneous speaking, methods of leading orators, debates. 2. Advanced vocal training. 3. Advanced pantomime, study of significant motions, positions, and special functions of each part of the body as an agent of the mind. 4. General principles of Delsarte and Mackaye.

Prof. Baright, 1 credit,

2-11 a. m.

SCHOOL OF MINES AND DEPARTMENTS OF CIVIL AND ELECTRICAL ENGINEERING.

By order of the Board of Regents the following courses in Mining and in Civil and Electrical Engineering have been established in the University of Oregon, and are now offered to students. The courses are of a grade equal to any offered in America and are more complete and thorough than can be found in most western institutions.

It is believed that the present equipment of the University warrants the publication of these courses at the present time.

The Machine Shop is well fitted with steam engines, dynamos, motors, lathes, and tools for practical work in Electrical, Civil and Mechanical Engineering.

The Chemical Laboratory is excellently arranged for individual work and well supplied with materials for analysis and assaying. The gas plant enables the University to make a special feature of blow-pipe analysis.

The great Condon Cabinet, which is in the temporary possession of the University, gives facilities in Geology and Mineralogy which can not be too highly valued. This cabinet represents completely the Mineralogy and Geology of Oregon.

The Physical Laboratory is supplied with sufficient apparatus for good work in Elementary and Advanced Physics. The Machine Shop enables students to construct pieces of apparatus

under the direction of the Professor of Physics, as they may be needed.

The following University teachers will have charge of the instruction in these courses:

President C. H. Chapman will lecture in the higher Mathematical courses.

Prof. John D. Letcher will give the principal part of the instruction in Mathematics.

Prof. Edgar McClure will give the principal part of the instruction in Chemistry.

Prof. Charles Friedel will have charge of the instruction in Physics and the shop work in the Engineering courses.

Prof. Thomas Condon will give the courses in Geology, and part of those in Mineralogy. The work in blow-pipe analysis will be under the direction of Prof. McClure.

Prof. Letcher and Mr. E. H. McAlister will give the courses in Civil Engineering and Surveying; also the courses in construction, timber work, etc., in the Mining School.

Mr. E. H. McAlister will conduct the courses in Mechanical Drawing and Descriptive Geometry.

Ample rooms and facilities for these courses are being fitted up as rapidly as the resources of the University permit, and it is certain that students desiring to become Engineers can begin work next fall under excellent auspices.

Correspondence relating to these courses is invited from all persons who are interested in them. It is felt that they will add much to the usefulness of the State University and enable many of the youth of Oregon to obtain that advanced scientific training at home which they have hitherto been forced to look for in the East or in California.

The courses are all four years in length; beginning with the Freshman year. This is necessary to make good Engineers; and the University desires to graduate none but those who will be an inspiration to others and a credit to itself.

The Preparatory work for the Mining and Engineering courses is the same as for the Scientific course in the University. It includes three years of Mathematics, two years of German and two years of French. There is also three years' work in English Composition and English Literature. A course in General Chemistry is also included in the Preparatory work. Students must do all the Preparatory work before being regularly admitted to the Scientific courses, but parts of it may be made up while the student carries on such advanced studies as he is ready to undertake. As a general rule the University allows students to do any work which they can undertake with profit.

Each of the following courses leads to the degree B. S. The title Mining Engineer, Civil Engineer or Electrical Engineer will also be conferred according to the course which the student has taken, and will be inserted in the diploma.

Tuition free in all courses. Incidental fee \$10.00 per year.

SCHEDULE OF PREPARATORY STUDIES FOR THE SCHOOL OF MINES AND ENGINEERING.

(The figures show the number of credits allowed.)

First Year.—English Grammar, 3; English, 1; English Literature, 3; Ancient History, 3; Algebra, 3; Geometry, 2; German, 5; Hygiene, 1.

Second Year.—English, 1; English Literature, 2; Algebra, 3; Geometry, 2; German, 5; French, 5; Botany, 2; Hygiene, 1.

Third Year.—French, 5; Mathematics, 5; Chemistry, 4; Physiology, 2; Literature, 2; Composition, 1; Hygiene, 1.

COLLEGE COURSE IN MINES AND MINING ENGINEERING.

(The figures show the number of credits allowed.)

Two hours of laboratory, drawing or field work count the same as one hour in the recitation room. The student is expected to earn seventeen credits each year.

Freshman Year.—Physics, 4; Calculus, 5; German, 3; Mechanical Drawing, 3; Practical Mechanics, 2.

Sophomore Year.—Descriptive Geometry, 3; Surveying, 3; Solid Analytical Geometry, 2; Determinants, Theory of Equations and Differential Equations, 5; Practical Mechanics, 4.

Junior Year.—Qualitative and Quantitative Analysis, 6; Graphic Statics, 2; Analytical Mechanics, 3; General Geology, 4; Ore Dressing, 2.

Senior Year.—Advanced Geology, 2; Blow-pipe Mineralogy, 2; Metallurgy, 2; Mining Engineering, 5; Thermo-dynamics, 3; Hydro-dynamics and Rigid Dynamics, 3; Thesis.

COLLEGE COURSE IN CIVIL ENGINEERING.

(The figures show the number of credits allowed.)

Two hours of laboratory, drawing or field work count the same as one hour in the recitation room.

Freshman Year.—Physics, 5; Calculus, 5; German, 2; Mechanical Drawing, 3; Practical Mechanics, 2.

Sophomore Year.—Descriptive Geometry, 3; Surveying, 3; Solid Analytical Geometry, 2; Determinants, Theory of Equations and Differential Equations, 5; Practical Mechanics, 4.

Junior Year.—Higher Surveying, 3; Analytical Mechanics, 4; General Geology, 3; Graphic Statics, 2; Advanced Physics, 5.

Senior Year.—Advanced Geology, 2; Mineralogy, (Blow-pipe,) 2; Civil Engineering, 5; Railroads, Roads and Canals, 3; City and Sanitary Engineering, 2; Thermodynamics, 3; Thesis.

ELECTRICAL ENGINEERING.

The purpose of this department is to furnish not only special information relative to the theory of electricity and magnetism, but to provide, as well, a thorough practical training in the construction, use and management of the various machines and instruments in which electricity is either the product or the motive power. The course covers a period of four years and is an effort to unite general collegiate culture and thorough professional training. Since mathematics furnishes one of the best weapons for attacking electrical problems, practically as well as theoretically, a thorough acquaintance with some of the higher branches of this science is deemed essential for the successful completion of the course. This course is therefore liberally supplied with mathematical studies both pure and applied. To furnish training towards the development of the mechanical skill necessary for the practical side of this course, the University has been provided with a machine shop, equipped with steam engines, lathes, saw-tables, etc., together with a liberal assortment of tools for work in both wood and iron, and instruction will be given in those branches of practical mechanics essential to the course. The electrical engineering department proper will contain all the machines, instruments and apparatus necessary to the successful work in this course viz: various forms of dynamos, motors, dynamometers, ammeters, voltmeters, transformers, accumulators, appliances for electric lighting, etc. The instruction furnished will pertain to the theory, management, testing, repairing, designing and actual construction of machines and instruments of the kind named. The theoretical instruction in electrical measurements and engineering will be given in the form of lectures, supplemented by regular review recitations. The work of the laboratory will be based on Stewart and Gee's Elements of Practical Physics and Wiedemann and Eberts. In

dynamo and motor designing and construction, the work will be largely based on Sylvanus Thompson's Dynamo Machinery.

Two hours of laboratory, drawing or field work count the same as one hour in the recitation room. The student is expected to earn seventeen credits each year.

(The figures show the number of credits allowed.

Freshman Year.—Physics, 5; Calculus, 5; German, 2; Mechanical Drawing, 3; Practical Mechanics, 2.

Sophomore Year.—Descriptive Geometry, 3; Solid Analytical Geometry, 2; Determinants, Theory of Equations and Differential Equations, 5; Practical Mechanics, 4; Electrical Testing and Measurements, 3.

Junior Year.—Analytical Mechanics, 4; General Geology, 3; Technical Instruction, 5; Advanced Physics, 5.

Senior Year.—Hydrodynamics and Rigid Dynamics, 3; Thermodynamics, 3; Technical Instruction, 6; Electricity and Magnetism, 5; Thesis.

DESCRIPTION OF THE STUDIES.

107.—PRACTICAL MECHANICS. Use of tools; shop work in wood iron and brass; elements of construction.

Prof. Friedel.

108.—PRACTICAL MECHANICS. Shop work; machine designing; testing materials.

Prof. Friedel.

15.—QUALITATIVE AND QUANTITATIVE ANALYSIS. A course in Chemistry designed for practical purposes. It will fit those who take it for the actual chemical work involved in assaying and other mineralogical processes.

Prof. McClure.

16.—GENERAL GEOLOGY. A descriptive course intended to impart a general idea of the science.

Prof. Condon.

116.—ORE DRESSING. A course which treats of the preparation of ores for smelting, etc.

Prof. McClure.

111.—MINERALOGY. Principally a course in blow-pipe analysis of ores.

Prof. McClure.

118.—MINING ENGINEERING. A course in the practical construction of mining machinery, tunneling, timbering, draining, etc.

Prof. Letcher.

114.—THERMODYNAMICS. The theory of heat, with its practical application to the steam engine.

Prof. Friedel.

10.—ADVANCED PHYSICS. A laboratory course in sound, heat, light, electricity and magnetism.

Prof. Friedel.

77.—MECHANICAL DRAWING. Six hours per week. Text: Faunce. Description and use of instruments, geometrical problems, inking, tinting, orthographic projections, shadows, isometrical drawings, oblique projections, working drawings, blue print process.

Mr. McAlister.

78.—DESCRIPTIVE GEOMETRY. Six hours per week. Text: Faunce. Point, line, plane, cylinder, cone, double curved surfaces of revolution, intersection of planes and solids, development of solids, intersection of solids, shades, shadows and perspective.

Mr. McAlister.

79.—SURVEYING. Three times per week. Recitations and field work. Text: Johnson, Theory and Practice of Surveying. Description, adjustment, and use of instruments; land surveying, laying out the public lands, leveling, plane-table surveying, determination of heights by aneroid and mercurial barometers, plotting and computations. Books of reference: Carhart, Gillespie.

Mr. McAlister.

80.—CIVIL ENGINEERING. Five times per week. Strength and resistance of materials, framed structures, roofs, bridges, etc., earthwork, excavations, embankments, cuts, drains, etc., masonry, walls, arches, piers, foundations, abutments, etc. Books of reference: Leuts, Rankine.

Prof. Letcher.

126.—HIGHER SURVEYING. Three times per week. Text: Johnson, Theory and Practice of Surveying, and Gore, Elements of Geodesy. Topographic, hydrographic, mining and geodetic surveying, determination of time, longitude and latitude by astronomical observations.

Mr. McAlister.

112.—RAILROADS, ROADS, CANALS. Three times per week. Recitations and field work. Texts: Searl, Field Engineer, and Byrne, Highway Construction. Railroad location and construction; canal construction, roads, streets, and pavements; cable and electric street railways.

Prof. Letcher.

110.—GEOLOGY. Two times per week. Instruction in Economic Geology and Mineralogy, embracing the study of building materials, decomposition of rocks and production of soil; useful minerals, their occurrence in veins and beds; coal deposits, surface geology, and its application to engineering. The work in Mineralogy is mostly blow-pipe analysis.

Prof. Condon.

113.—CITY AND SANITARY ENGINEERING. Two times per week. Sewers and sewerage, water supplies, municipal engineering, city surveying, pumping machinery, pavements.

Prof. Letcher.

120, 122.—TECHNICAL INSTRUCTION IN ELECTRICITY AND MAGNETISM. Dynamo-electric machinery; central station design and management; recent applications of electricity.

Prof. Friedel.

THE SCHOOL OF BUSINESS.

N. L. Narregan, Dean.

The School of Business is rapidly growing in usefulness and popularity. The terms of admission are the same as to other departments. Its object is to give students who can not thoroughly educate themselves, practical training in the arts and principles of business with such literary cultivation as can be attained in so short a course. The work is thoroughly done. Students who finish the course and receive the diploma must be able to write and compose correct English; report ordinary discourse by shorthand and transcribe their notes with facility; and use the typewriter with speed and accuracy. Daily practice in shorthand and typewriting is required throughout both years. Details of office work like letter copying, use of duplicating machine, mailing circulars, etc., are taught by actual practice in the University offices. Students who complete this work satisfactorily receive a diploma from the University.

SCHEDULE OF BUSINESS COURSE.

(The figures show the number of credits allowed.)

First Year.—English Grammar, 3; English, 1; English Literature, 3; Ancient History, 3; Algebra, 3; Geometry, 2; Commercial Law, 2; U. S. History, 3; Hygiene, 1; Shorthand, 1; Typewriting, 1.

Second Year.—English, 1; English Literature, 2; Algebra, 3; Geometry, 2; Civil Government, 2; Elementary Political Economy, 3; Botany, 2; Penmanship and Bookkeeping, 3; Shorthand and Typewriting, 2; Hygiene, 1.

DESCRIPTION OF THE COURSES.

76.—BOOKKEEPING AND BUSINESS ARITHMETIC. *First Semester.* Theory and science of accounts, a working knowledge of the different forms of books of original entry; ledger posting and closing and making itemized accounts; the trial balance and different forms used; changing from single to double entry; changing from stock to partnership and reverse.

Second Semester. Actual business in commission, banking and merchandising.

ADVANCED COURSE. An advanced course in joint stock company, corporation, manufacturing, auditing and expert bookkeeping is offered to those who complete the first year's work or have done the same amount of work in other schools.

Business arithmetic is a subject of constant study in this department, especially fractions, common and decimal, percentage, interest, discount, commission, brokerage, insurance, partial payments, equating of accounts, loss and gain, partnership settlements, and general average, with many useful hints, showing short methods and quick results.

76.—PENMANSHIP. A good handwriting is usually required as an accompaniment of skill in bookkeeping. From one to two hours each day is devoted to instruction in writing and every facility is afforded the student for acquiring a plain, neat, rapid, commercial hand. Particular attention is given to position, movement and the formation of letters and figures; their size, slant, etc.

There is no demand for bookkeepers who write a slow, stiff, cramped hand. In the penmanship course the student acquires a good handwriting, combining the three qualities: neatness, legibility and rapidity.

ADVANCED OR PROFESSIONAL COURSE. The advanced course offers instruction in business and ornamental writing, pen drawing, engrossing, Old English, india ink shading, flourishing, marking, German text and fancy lettering, card writing and pen art.

41.—COMMERCIAL LAW. Instruction is given in this branch under the following heads: (1) The forms of business and mercantile contracts, such as deeds, bonds, mortgages, insurance policies, notes, negotiable and non-negotiable bills of exchange, checks, drafts, certificates of deposit and bills of lading. (2) The use and functions of such instruments. (3) The law governing them in actual circulation, and the liabilities to which they give rise.

The law of agency, common carriers, partnership, statute of limitations, statute of frauds, and simple methods of court procedure. The text-book is supplemented with lectures by the principal, who is a lawyer, the commercial library and two journals, *The Law Student's Helper* and *Business Law*, and a lecture course on business ethics by the President of the University.

95.—SHORTHAND (Pernin system.) The "Pernin" was awarded the medal and diploma at the World's Fair and has been adopted in over five hundred schools in the United States. Its distinctive advantages are: No position, no shading, connective vowels, and few word signs.

This school is distinct from almost all others where shorthand is taught, in that the pupil is prepared for all the duties of the shorthand amanuensis. High speed in office work is seldom required but absolute accuracy is demanded.

Shorthand, note taking and reporting speed practice, correspondence, dictation, spelling, grammar, punctuation and composition are so essential to stenographers that every student is required to take this study in the regular business course. Dictation and practical exercises are given daily to establish self-confidence on the part of the student and actual practice is given in the offices of the University.

The time required to become a shorthand writer depends very much upon the ability and diligence of the student. A student of average ability by close application to study and practice, ought to be able to take letters from dictation or a slow speaker at the rate of 100 to 150 words per minute in from three to six months.

Typewriting is taught in daily lessons. Two to four weeks are required to thoroughly learn the fingering and become familiar with all parts of the machine. Students are then drilled in writing testimony, drawing legal documents, specifications, com-

mercial correspondence and all forms of work usually done on a machine.

REQUIREMENTS FOR CERTIFICATES. The minimum requirement in shorthand is: One hundred words per minute from dictation of new matter, and a correct transcript. The minimum in typewriting is: Forty-five words per minute dictated from new matter, correct in form, spelling and punctuation.

REGISTER OF STUDENTS.

COLLEGE OF LETTERS.

(The figures after the names show the number of credits to be earned, counting from the fall of '95. The letters show the degree or diploma sought.)

- Lillian Ackerman, Portland, A. B., 57.
 Agnes Adams, Woodburn, A. B., 68.
 Ralph H. Adams, Portland, B. S., 130.
 Hattie Alden, St. Paul, Eng., 62.
 Lewis R. Alderman, McMinnville, Spec., 68.
 Alexander Anderson, Eugene, Bus., 42.
 Frank Ankeny, Jacksonville, Spec.
 Dee Ankeny, Jacksonville, Spec.
 Mertie Auten, Eugene, A. B., 130.
 George J. Bacher, Grants Pass, Bus., 42.
 Alice Baldwin, Eugene, Spec.
 Eva S. Barbour, Happy Camp, Cal., A. B., 109.
 Mabel Barbour, Happy Camp, Cal., A. B., 130.
 Rosa Barbour, Happy Camp, Cal., A. B., 109.
 Joseph H. Baum, Portland, B. S., 70.
 Sadie Baum, Eugene, B. S., 54.
 Robert Vinton Beall, Medford, B. L., 109.
 Jennie B. Beatie, Oregon City, A. B., Sen.
 Anna Belknap, Ilwaco, Spec.
 Howard Bellinger, Portland, Bus., 42.
 Glenn E. Benedict, Eugene, C. E., 73.
 Coke Bilyeu, Eugene, Spec.
 Clarence M. Bishop, Salem, B. S., 130.
 Mary Black, Marshfield, B. L., 64.
 Maud Blundell, Canyonville, Spec.
 Jessie Hickman Bond, Coburg, A. B., 130.

- Clyde T. Bonney, The Dalles, A. B., 109.
Eugene Boone, Riley, A. B., 66.
Fred Wright Booth, Wasco, Bus., 42.
John J. Boyum, Franklin, Bus., 36.
Lester G. Bradley, Medford, A. B., 72.
Belle Brown, Eugene, A. B., 36.
Grace Brown, Eugene.
H. A. Brown, San Francisco, Spec.
Anne Elizabeth Brownlee, Eugene, A. B., 71.
Estelle Barbara Brownlee, Eugene, A. B., 56.
Joseph G. Brownlee, Eugene, B. S., 130.
Edwin Rodell Bryson, Corvallis, A. B., 34.
Roscoe S. Bryson, Corvallis, A. B., 88.
Clara Buffington, Oakland, Bus., 42.
Bertha Buford, Salem, Spec.
Annetta Burr, Eugene, A. B., 130.
Ida Calef, Coburg, B. S., 109.
Orange Callison, Pleasant Hill, Eng., 62.
Oscar F. Callison, Pleasant Hill, Eng., 52.
James H. Carrico, Oregon City, A. B., 72.
Walter T. Carroll, Union, B. S., 130.
Roy Garfield Case, Newport, B. S., 130.
Calvin Casteel, Creswell, C. E., 130.
H. D. Cherry, Eugene, B. S., 121.
Lloyd C. Cherry, Eugene, B. S., 130.
Clive S. Cheshire, Eugene, B. S., 130.
Earl Harden Church, Eugene, A. B., 26.
Lulu Virginia Cleaver, Portland, A. B., 130.
Alfred Alexander Cleveland, Astoria, A. B., 78.
Regina Cleveland, Eugene, B. S., 112.
J. Russell Coleman, Salem, B. S., 130.
Dorothy E. Cooper, Independence, A. B., 34.
Maude Cooper, Independence, B. S., 57.
Pearl Cooper, Independence, B. S., 72.
Cora L. Copple, Hood River, Ped., 42.
Maude Cornwall, Marshfield, A. B., 68.
Elvin J. Crawford, Eugene, A. B., 107.
Edward E. Crossen, La Grande, B. L.
Dorothea P. Dale, Eugene, Spec.
Floyd Daly, Dallas, A. B., 130.
Howard Davis, Portland, A. B., 51.
Merritt Davis, Eugene, B. S.
Mahlon Harlow Day, Creswell, A. B., 68.

- Ivan DeLashmutt, Portland, C. E., 75.
Edith M. Denny, McCoy, B. S., 59.
Hubert E. Derrick, Eddyville, Bus., 42.
Rose Caroline Dickenson, Burns, Spec., 130.
Stella Dorris, Eugene, Spec., 118.
Arthur J. Douglas, Pendleton, Spec., 130.
Clarence William Drinkwater, Harney, Bus., 42.
Grace Driver, Eugene, B. S., 130.
Amy Dunn, Eugene, B. S., 130.
Charles Arthur Eastland, Eugene, Spec., 36.
Rosetta Eastland, Eugene, A. B., 51.
John Matthew Edmunson, Goshen, A. B., Sen.
Leon Rufus Edmunson, Goshen, A. B., 53.
Enno V. Ehwegen, Eugene, Spec., 130.
Dillard A. Elkins, Dallas, A. B., 130.
Claud J. Engle, Pendleton, Bus., 39.
Clara Rosalia Evenson, Eugene, B. S., 130.
Lincoln E. Farrington, The Dalles, A. B., 38.
Fred Fisk, Eugene, A. B., 34.
Jesse K. Flint, Eugene, Bus., 42.
Clyde VanNeis Fogle, Eugene, A. B., 51.
George N. Frazier, Eugene, Spec., 116.
Theresa Friendly, Eugene, B. S., 53.
Abbie Jane Fry, Lebanon, A. B., 34.
Leland I. Gale, Santa Cruz, Cal., B. S., 112.
Lenora Elizabeth Gale, Olympia, Wash., B. L., 130.
Hattie Geary, Halsey, B. S., 114.
Susie Bacon Gibbs, Eugene, B. S., 74.
George Washington Gilbert, Baker City, B. S., 105.
Jessie M. Gilfillan, Union, B. S., 109.
A. L. Gilleland, Cottage Grove, A. B., 71.
Zida A. Goldsmith, Eugene, A. B., 106.
Oscar Gorrell, Jacksonville, B. S., 124.
Hugh H. Gray, Eugene, Spec.
Norman Gray, Florence, Spec., 117.
Lizzie Griffin, Eugene, A. B., 73.
Anna M. Grimes, Harrisburg, B. S., 68.
William Grimes, Harrisburg, B. S., 68.
Zolo Grimes, Harrisburg, B. S., 68.
Osman Hagar, Heppner, B. S., 109.
Fannie Hammett, Eugene, Ped., 42.
John Handsaker, Pleasant Hill, A. B., 130.
Calvin B. Hanna, Eugene, B. S., 109.

- Herbert Ramage Hanna, Eugene, A. B., Sen.
Kate E. Hanna, Eugene, A. B., Sen.
Stuart Bates Hanna, Eugene, A. B., 34.
Ada Belle Hanson, Eugene, A. B., 130.
Edith M. Harris, Eugene, B. S., 56.
M. Curtis Harris, Eugene, A. B., 56.
Wistar Hawthorne, Eugene, A. B., 130.
Ella Hayden, Isabel, Ped., 42.
Elbry Hays, Harrisburg, A. B., 130.
Eddie P. Hays, Halsey, A. B., 130.
Ansel F. Hemenway, Springfield, B. S., 130.
Fannie Dean Hemenway, Eugene, A. B., Sen.
May Mary Hemenway, Eugene, A. B., 130.
Oscar E. D. Hemenway, Springfield, B. S., 68.
Formosa Henderson, San Diego, Cal., Spec.
Robert Strong Henderson, Portland, Bus., 42.
Ada Dale Hendricks, Eugene, B. L., 34.
Fred David Herbold, Eugene, Eng., 38.
John Lestine Higgins, Monmouth, A. B., 39.
Chas. Fulton Hobson, Astoria, Spec., 109.
Walt Hodes, Eugene, Bus., 42.
Philo Holbrook, Portland, B. S., 56.
Moody Hollis, Eugene, B. S., 109.
Guy Holman, Portland, Bus., 42.
Chas. Horn, Irving, Bus., 42.
Blaine Hovey, Eugene, B. L., 68.
Emmett Howard, Irving, Bus., 42.
Dwight O. Howell, Halsey, Eng., 62.
Oren Howe, Eugene, B. S., 121.
Daisy Hunt, Zena, Bus., 42.
Lester Gilbert Hulin, Eugene, A. B., Sen.
Alma Hursell, Portland, Eng., 62.
Roy H. Hurley, Portland, B. L., 55.
Henry Arthur Inwall, Irving, A. B., 130.
Esther E. Johnson, Eugene, Spec., 110.
Virgil Victor Johnson, Eugene, A. B., Sen.
Lydia Justina Johnson, Salem, B. S., 130.
Lotta Johnston, Eugene, A. B., 34.
William Judkins, Fairmount, Bus., 42.
Clarence Whittier Keene, Salem, A. B., Sen.
Homer I. Keeney, Halsey, A. B., 34.
Kate Sheridan Kelly, Springfield, A. B., 34.
Ethel G. Kelty, McCoy, Spec., 68.

- Maud Kenworthy, Portland, A. B., 57.
Abbie Kenyon, Burns, B. S., 130.
Maud Kerns, Eugene, Spec., 68.
Geary Kimbrell, Pendleton, B. S., 130.
Erank R. Kingsley, Fairmount, A. B., 68.
Ethel C. Kinsey, Eugene, B. S., 107.
Delmon Vernon Kuykendall, Eugene, A. B., 51.
William Allison Kuykendall, Eugene, A. B., 126.
Dora Laird, Pleasant Hill, Eng., 62.
Barbara Lauer, Eugene, A. B., 34.
Henrietta Lauer, Eugene, B. S., 53.
John H. Lewis, Newport, B. S., 130.
Archie Wilber Livermore, Eugene, A. B., 51.
Jessie Livermore, Eugene, B. S., 109.
John L. Loomis, Newport, B. S., 109.
Chester Elmer Langway, Malheur, Bus., 42.
Helen Ruth Loveridge, Eugene, B. S., 130.
Balm Mann, Zena, A. B., 51.
Marius B. Marcellus, Oakland, A. B.
Mary Ellis Marsh, Eugene, A. B., 72.
Louis C. Martin, The Dalles, Div., A. B., 130.
George Marx, Eugene, Eng., 55.
Carrie L. Matlock, Eugene, B. L., 34.
Ella E. McAlister, Eugene, A. B., 130.
F. N. McAlister, Eugene, Spec., 125.
Mary L. McAlister, Eugene, A. B., 68.
Seth H. McAlister, Eugene, Spec., 111.
Jessie B. McClung, Eugene, Grad.
Will E. McClure, Eugene, A. B., Sen.
Charles E. McClure, Eugene, A. B., Sen.
Julian N. McFadden, Corvallis, B. L., 49.
Anna McGee, Ellensburg, Bus. 31.
Fred McHargue, Brownsville, Spec.
Walter A. McHargue, Brownsville, Bus., 42.
Enis Levant McPherson, Springfield, Div., Spec.
John Adrian Merryman, Hillsboro, Spec., 130.
Anna Laura Miller, Grants Pass, A. B., 38.
Charles Miller, Eugene, B. L., 130.
Harry Edgar Miller, Irving, Eng. 62.
Henry George Miller, Eugene, A. B., 51.
Winifred K. Miller, Grants Pass, B. L., 109.
Alfred K. Mills, Iowa, A. B., 105.
C. F. Moore, Illinois, A. B., 130.

- Earl Mount, Eugene, B. S., 125.
 Frederick William Mulkey, Portland, A. B., Sen.
 Philip J. Mulkey, Pleasant Hill, A. B., 109.
 Thomas W. Munroe, Eugene, Bus., 42.
 Herbert Murch, Coburg, A. B., 51.
 Grace Mary Murray, Eugene, 68.
 Carl Narregan, Medford, B. L., 56.
 John R. Nash, Halsey, B. S., 115.
 John Newsome, Prineville, A. B., 51.
 Jessie J. Nicolle, Seaton, Bus., 42.
 Ida Noffsinger, Halsey, B. S., 34.
 Mrs. H. D. Norton, Eugene, Bus., 42.
 O. Perry Overton, Eugene, A. B., 51.
 William Elmer Overholt, Canyon City, Spec.
 Guy H. Ostrander, Union, B. S., 109.
 Henrietta Valence Owen, Eugene, A. B., Sen.
 Cora Estelle Pattee, Portland, A. B., 57.
 Kate Valence Patterson, Eugene, B. L., 34.
 Clara B. Pengra, Eugene, B. S., 81.
 Jennie Peterson, Eugene, A. B., 126.
 Ed. D. Poill, Springfield, Bus., 25.
 Lulu Poill, Springfield, Eng., 62.
 Thomas Warner Pool, Junction, Eng., 62
 Mable Powell, Astoria, Spec., 121.
 Ellis T. Prather, Sellwood, B. S., 117.
 Ora Read, Pleasant Hill, B. S., 130.
 Lawrence Arthur Read, Sellwood, B. S., 88.
 Clarence L. Reams, Jacksonville, B. S., 109.
 Ethel Genevieve Reid, Eugene, A. B., 130.
 Lenna Leotta Reid, Eugene, A. B., 130.
 Lulu M. Renshaw, Eugene, A. B., 68.
 Roy Renshaw, Eugene, B. S., 109.
 Bird Baker Richards, McCoy, A. B., 56.
 Marshal Ney Richardson, Scio, Spec., 130.
 Jacob H. Rinearson, Oregon City, Bus., 42.
 Anna Mary Roberts, The Dalles, A. B., Sen.
 Stella Robinson, Eugene, B. S., 34.
 Ida Bell Roe, Eugene, A. B., 34.
 O. A. Rowland, Eugene, Bus., 31.
 Frank W. Sanders, Empire City, C. E., 130.
 May Sanders, Eugene, B. S., 116.
 Elsie Schwarzschild, Eugene, Spec., III.
 Julius Schwarzschild, Eugene. A R 196.

- Morris Schwarzschild, Eugene, B. S., 106.
Sadie Sears, Ballston, B. S., 130.
Vestella Sears, Ballston, B. S., 130.
Harry Senders, Junction, B. S., 108.
Archie Earl Sargent, Dexter, A. B., 130.
Averna Maud Sharp, Eugene, A. B., Sen.
Ada Sharples, Eugene, Grad.
Edward P. Shattuck, Portland, A. B., 41.
C. V. Sheridan, Walker, Bus., 42.
Oliver P. Sheridan, Walker, A. B., 130.
Mable Simmons, Eugene, Eng., 62.
Bertha E. Slater, La Grande, Spec.
Will Carlton Smith, Turner, A. B., Sen.
Maud A. Speer, Junction, Bus., 42.
John L. Stalker, Carson, C. E., 125.
W. Hyde Stalker, Carson, A. B., 56.
May Ellen Stearns, Oakland, A. B., 130.
Mary L. Stearns, Fairmount, Bus., 42.
Young Roy Stearns, Oakland, A. B., 121.
Cecelia B. Stevenson, La Grande, Spec.
Lester H. Stevenson, Halsey, A. B., 130.
Ruth Stevenson, Eugene, Eng., 46.
Anna Stone, Grass Valley, Cal., Spec.
Ole T. Storaasli, Silverton, A. B., 114.
Blanche Straight, Eugene, Eng., 62.
Mary Elizabeth Straub, Eugene, A. B., 81.
Vincent John Straub, Eugene, A. B., 70.
Lillie Sweeney, Loraine, B. S., 130.
Blanche M. Taylor, Eugene, B. S., 33.
Frank M. Taylor, Halsey, A. B., Sen.
Harriet Taylor, Eugene, Spec., 130.
Jesse Gray Taylor, Philomath, Spec., 122.
Bertha Rowena Templeton, Halsey, B. S., 130.
Charles L. Templeton, Halsey, Eng.
Fred M. Templeton, Halsey, A. B., 34.
Harry Sumner Templeton, Halsey, A. B., Sen.
Ermine Louise Thompson, Eugene, A. B., 130.
Mary Thompson, Eugene, A. B., 68.
Sibyl Thurston, Eugene, B. S., 52.
Nellie Towne, Phoenix, Eng., 62.
Lee M. Travis, Eugene, A. B., 37.
Theodore Balt Tyre, Penn., A. B., 34.
Margaret Underwood, Eugene, A. B., 34.

- Owen Meredith VanDuyn, Coburg, B. S., 35.
Walter VanDuyne, Heppner, B. S., 109.
Edith F. Veazie, Dallas, A. B., 34.
Levi E. Walton, Halsey, Bus., 42.
Mary E. Walton, Halsey, Bus., 42.
William Warin, McCoy, B. S., 119.
Florence Dombey Watkins, Eugene, A. B., 53.
Hersey McCarter Watkins, Eugene, B. S., 108.
Charles W. Wester, Ballston. B. S., 51.
James R. Wester, Ballston, B. S., 104.
Thomas W. Wester, Ballston, A. B., 107.
Wilbur L. Wester, Ballston, B. S., 70.
Bert Whipple, Cheyenne, Wy., B. S., 117.
Cyrus A. Whipple, Cheyenne, Wy., B. S., 68.
Lena W. Whipple, Eugene, Eng., 62.
Frank P. White, Cottage Grove, A. B., 34.
William J. White, Cottage Grove, A. B., 109.
Ella Whiting, Burns, Eng., 62.
Sama Whitley, Eugene, Eng., 42.
Charles A. Whitsett, Cottage Grove, Bus., 42.
Charles W. Whittlesey, Portland, B. S., 130.
Walter L. Whittlesey, Portland, A. B., 109.
George C. Widmer, Eugene, Spec.
Gertrude Widmer, Eugene, B. S. 35.
Margarette M. Widmer, Eugene, B. S., 74.
Frank L. Wilkins, Eugene, Spec. 71.
Maude Wilkins, Eugene, A. B., Sen.
Mattie Wilkinson, Eugene, B. S., 110.
Tessa A. Williams, Coburg, Bus., 33.
Claire Willoughby, Eugene, A. B., 70.
Kate E. Wilson, Springfield, Eng., 62.
Winifred J. Wilson, Pleasant Hill, Bus., 42.
C. A. Wintermeier, The Dalles, A. B., Sen.
Frank B. Wire, Eugene, A. B., 117.
Melville T. Wire, Eugene, A. B., 130.
Emma Wold, Nebraska, Grad.
Grace I. Wold, Nebraska, A. B., 111.
Irving Wold, Nebraska, A. B., 107.
Jean R. Wald, Nebraska, Spec.
Hally E. Wood, Eugene, B. S., 113.
Clinton E. Woodson, Currinsville, A. B., 34.
Cora E. Wylie, Eugene, B. S., 107.
Louise C. Yoran, Eugene, A. B., Sen.

Pearl Young, Point Terrace, Bus., 42.
 Vinnie Verdella Young, Oakland, A. B., 130.
 William Samuel Young, California, A. B., 51.
 May Zumwalt, Irving, Eng., 62.

Summary 333.

STUDENTS IN THE UNIVERSITY EXTENSION DEPARTMENT.

(Not in residence at Eugene).

George Byron, Olalla.	Madge Dunn, Waldport.
L. Belle Gladdis, Goble.	Hattie Sternweis, Boyd.
A. C. Strange, Beaver Creek.	Madge Neill, Oswego.
Lucile Stalker, Huntington.	Edward Robison, Arago.
Walter R. Stalker, Carson.	Zopher Agee, Wilbur.
V. L. Holt, Talent.	C. A. Craft, Portland.
A. W. Long, Salem.	Josephine Foss, Siuslaw.
Mosie Walsh, Olalla.	Wm. F. Volkmar, Etelka.
Rosa B. Parrot, Roseburg.	Nettie L. Hoover, Fossil.
Minnie M. Tasker, Jefferson.	Etta S. Warner, Pilot Rock.
Violet V. Cavana, LaGrande.	Miss R. T. Smith, Salem.
Eva Wentworth, Coburg.	Elmer Jordan, Franklin.
Lena Pagenkopf, Wells.	Anna C. Davidson, Portland.
Lester Geer, Dallas.	Maud A. Pittenger, Portland.
Alfred A. Johnson, Empire City.	C. D. Brooks, Nye.
Hattie Moore, Greenville.	Anna Collins, Huntington.
R. A. Rossman, West Chehalem.	Eva Pierce, Freewater.
W. Cavanaugh, Sumner.	Matie E. Swann, Crawfordsville.
Mrs. W. J. Carter Klamath Agy.	A. R. Siegmund, Klumb.
R. B. Cummins, Touchet, Wash.	Albion Kohler, Fossil.
Matie Train, Portland.	W. J. Carter, Klamath Agency.
L. J. Gates, Fossil.	F. G. Butler, Klamath Agency.
E. Southwick, Tillamook.	W. A. Sullivan, Klamath Agency.
Mrs. J. M. Potter, Portland.	M. C. B. Watkins Klamath Agency.
Cliff Abrams, Crawfordsville.	Mary A. Harrington, Klamath Agy.

Summary 50.

Total, College of Letters, 383.

SCHOOL OF LAW.**FACULTY.**

C. H. CHAPMAN, PH. D.,
President.

HON. W. B. GILBERT,
Of the U. S. Court of Appeals, Lecturer on Constitutional Law.

HON. L. L. McARTHUR,
*Formerly Judge of the Supreme Court of Oregon, Lecturer
on Pleading.*

HON. C. B. BELLINGER,
U. S. District Judge, Lecturer on Equity.

MR. RICHARD H. THORNTON,
*Of the Oregon Bar, L. L. B. of Georgetown, Lecturer on the Common
Law, the Law of Contracts, and the Law of Evidence.*

This Law School is held in the city of Portland. The lectures are delivered at 3:15 and 7:15 p. m., in the rooms of the Portland Business College. Lectures in the Junior year are on Tuesdays, Thursdays and Saturdays.

The entire course consists of two sessions of about thirty weeks each, from October to May inclusive. The next session opens on Wednesday, Sept. 30th, 1896.

The text-books in the Junior year are Blackstone, Kent, and Parsons on Contracts. In the Senior year, Gould on Pleading, Greenleaf on Evidence, Pomeroy on Equity, Cooley on Constitutional Limitations, and the General Laws of Oregon. "Cox's Questions" will be found useful in the work of the first year. The cost of Blackstone and the Question Book is \$12.50, and they may be had from the professor in charge.

The tuition fee is sixty dollars (in gold) per session, payable in equal installments on the 5th day of October, January and March. Regular attendance is necessary, and no deduction can be made on account of absence. The final examination fee (non-returnable) is ten dollars.

Applications for admission are to be addressed to

PROFESSOR RICHARD H. THORNTON,
Attorney at Law,

College Building, Portland, Oregon.

CLASS OF 1896.

G. A. Adams.	J. J. Heilner.
O. F. Akin.	T. D. Honeyman.
A. P. Armstrong.	H. W. Huston, B. S.
W. C. Avery.	J. P. Kennedy.
F. S. Bennett.	G. P. Lent.
F. A. Blochberger.	B. M. Lombard.
S. Bloom.	Thomas McCusker.
S. H. Bloomer.	Edwin Mays.
W. O. Buffington.	E. O. Miller.
D. P. Cartwright.	J. P. Moffett.
O. S. Dwier.	J. B. Mulloy.
H. C. Eastham.	S. B. Rikken.
A. M. Esson.	H. C. Robertson.
H. Y. Freedman.	Lewis Russell.
F. A. French.	Waldemar Seton.
John Gebbie.	J. A. Strowbridge.
James H. Gibson, B. S.	Isaac Swett.
H. W. Goddard.	A. P. Tift.
B. W. Grant.	C. T. Tooze.
D. A. Grout.	A. Wagner.
H. S. Gullixson.	W. S. Ward.
F. E. Harlow.	A. H. Withington.
F. F. Freeman.	N. E. Wood.

CLASS OF 1897.

W. P. Adams.	J. W. Mills.
F. O. Burkhardt.	H. E. Northup.
G. W. Caldwell.	F. Olson.
M. H. Carter.	L. L. Paget.
O. D. Cochran.	O. M. Rankin.
J. D. Coffey.	Dexter Rice.
W. A. Coffey.	C. M. Robinson.
T. L. Cole.	R. F. Robinson.
N. Conn.	J. W. Rowland.
C. W. Durette.	A. M. Shannon.
A. M. Ellsworth.	C. N. Scherer.
R. S. Farrel.	W. W. Sibray.
R. W. Galloway.	W. W. Sproul.

C. H. Gilbert.
 F. W. Gompf.
 Robert Haydn.
 A. N. Holman.
 C. M. Kahn.

R. L. Stevens.
 J. H. Stewart.
 John VanZante.
 P. M. Weddell.
 G. A. Wikander.

SCHOOL OF MEDICINE.

FACULTY.

C. H. CHAPMAN, PH. D.,
President.

S. E. JOSEPHI, M. D.,
*Dean of the Faculty; Professor of Obstetrics and Psychological
 Medicine.*

CURTIS C. STRONG, M. D.,
*Secretary of the Faculty; Professor of Gynæcology and Clinical
 Obstetrics.*

HOLT C. WILSON, M. D.,
Professor of Principles and Practice of Surgery and Clinical Surgery.

OTTO S. BINSWANGER, M. D.,
Professor of Chemistry and Toxicology.

K. A. J. MCKENZIE, M. D.,
Professor of Theory and Practice of and Clinical Medicine.

RICHARD NUNN, M. D.,
Professor of General and Descriptive Anatomy.

J. F. BELL, M. D.,
Professor of Materia Medica and Therapeutics.

M. A. FLYNN, M. D.,
Professor of Physiology.

G. M. WELLS, M. D.,
Professor of Pædiatrics.

W. H. SAYLOR, M. D.,
*Professor of Diseases of Genito-Urinary Organs and Clinical
 Surgery.*

GENERAL INFORMATION.

The Medical Department of the University of Oregon, recognizes the desirability of advancing the standard of medical education to a higher level and having already heretofore increased its requirements for graduation from two to three courses of lectures, now, in accordance with its intention, stated in the last catalogue, announces itself as 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.

Full particulars as to proper credit to be given for equivalents for the first year course, entrance, examinations, etc., may be found under the head of "Requirements for Admission." Information as to credit for previous courses of lectures taken in other approved medical colleges, may be found under the head of "Requirements for Graduation."

The opening lecture of the tenth regular annual session will be delivered at 9 a. m., Wednesday, Oct., 7, 1896. Students are requested to be in attendance at the commencement of the session, so that they may not lose the benefit of knowledge to be derived from the opening lectures.

LOCATION.

The new college building, located corner Twenty-third and Lovejoy streets, opposite Good Samaritan hospital, was completed and occupied during the session of 1892-93. It is a model of convenience, being furnished with all the aids to medical education which modern advancement requires.

St. Vincent's new hospital is located only a few blocks from the college building on a tract of five acres. The portion now completed and occupied is 260 feet long, an average of 60 feet wide and is 6 stories in height including the basement. It contains 350 beds and is admirably fitted, in other respects, with the most modern furnishings and appliances.

Good Samaritan hospital is delightfully located near the foot of the western hills, containing 125 beds, and is rich in clinical material of all kinds. These two hospitals afford opportunities to the students of this college for variety of clinical work and instruction unsurpassed by anything on the Pacific Coast.

Their close proximity to the college clusters the buildings for both didactic and clinical instruction, so that the necessity for the student to travel long distances in order to properly carry on his work is overcome and thus much valuable time saved to him.

Hospital clinics (besides dispensary clinics) are held three days of the week during the session. Opportunities are given students to make diagnosis of disease and prescribe treatment therefor; and operations of endless variety are performed (in presence of the class,) according to the most advanced methods of modern surgery.

Special attention will be given to instructing the student in methods of examination for purposes of diagnosis of both medical and surgical cases and the use of appropriate instruments for that purpose.

As has been done during past sessions, each senior student will be given an opportunity to attend and conduct, under proper supervision, cases of midwifery. This affords under-graduates a practical knowledge of midwifery, which must prove of great value in their future professional work.

First Year.—Anatomy, with dissections; Normal Histology, General Chemistry, Materia Medica and Pharmacy, Physiology. Examinations at end of year in Osteology and Syndesmology, Normal Histology, Principles of Chemistry, Elementary Materia Medica, Physiology (Prox. Principles and the Blood.)

Second Year.—Anatomy, with dissections, finished (except nervous system); Anatomy of Nervous System, Physiology, finished; Chemistry, with laboratory work, finished; Materia Medica and Therapeutics, finished; Microscopy and Histology, with laboratory work; Principles of Medicine, Pathology, Principles of Surgery and Bandaging, Elementary Gynæcology, Hygiene, Obstetrics (Pelvic Anatomy and Embryology), Physical Diagnosis. Examinations at end of year:—Anatomy (except nervous system); Physiology (final), Chemistry (final), Materia Medica and Therapeutics (final), Principles of Medicine, Principles of Surgery, Elementary Gynæcology, Pelvic Anatomy and Embryology.

Third Year.—Medical Jurisprudence, Theory and Practice of Medicine, General Therapeutics, Principles and Practice of Surgery and Bandaging, Military and Operative Surgery, Pathology with laboratory work, Pædiatrics, Hygiene, Anatomy of Nervous System, Gynæcology, Genito-Urinary Diseases, Physical Diagnosis, Ophthalmology and Otolology, Obstetrics, Clinics, all; Microscopy, Histology and Bacteriology with laboratory work. Examinations in Principles of Medicine, Principles of Surgery, Pathology (final), Anatomy of Nervous System (final), Gynæcology, Physical Diagnosis, Obstetrics.

Fourth Year.—Medical Jurisprudence, Theory and Practice of Medicine, Principles and Practice of Surgery, Military and Operative Surgery; Clinics, all; Gynæcology, except elementary; Genito-Urinary Diseases, Ophthalmology and Otology; Obstetrics, except Pelvic Anatomy and Embryology, Microscopy and Bacteriology, with laboratory work; Pædiatrics, Insanity. Examinations:—Final in above.

All students are *privileged* to attend all didactic lectures, but only such as are laid down in the schedule are compulsory.

REQUIREMENTS FOR ADMISSION.

Students desiring to matriculate are required to undergo examinations for admission, with the following exceptions, viz:

1.—Applicants who present certificates of having successfully passed the examination for admission to the College of Letters or of Science of the University of Oregon, or some other recognized university or college.

2.—Applicants who present diplomas or certificates of graduation from the University of Oregon, or of some other recognized university or college.

3.—Applicants who present diplomas or certificates of graduation from recognized high schools or academies.

4.—Applicants who present a teacher's certificate, granted by a recognized City, County or State Board of Examiners.

5.—Applicants who present a diploma or certificate of graduation from a state normal school.

6.—Applicants who have attended in the University of Oregon, or other recognized university or college, the required course to entitle them to enter as second year students in the curriculum of this school (see page 81).

Applicants who do not comply with any of the above, will be required to pass a satisfactory examination in English branches, such as composition, spelling, writing, arithmetic (including simple fractions). A knowledge of physics and elementary Latin will also be required. Avery's Natural Philosophy, Peck's Ganot or Gage's Elements of Physics, and Smith's Principia Latina, Part I, will serve to show the amount required in the latter subjects. Students desiring to enter, and who are not prepared in Physics or Latin as above, may be allowed to matriculate upon condition that they shall present themselves and pass the examinations therein at the end of their first year. Special arrangements will be made for private tuition in these branches when

desired. Graduates of other regular medical colleges in good standing, where an entrance examination equivalent to our own is required, will be admitted as students of the fourth course in this institution without any examination.

EQUIVALENTS FOR FIRST YEAR.

In case the student does not spend his first year of the four years curriculum in a medical college, the first year may be spent in any one of the following ways:

1.—In the University of Oregon in the study of chemistry, physics, histology, osteology and physiology.

2.—In a recognized university or college where the above named subjects form part of the curriculum. A certificate from such a university or college that the applicant has passed a satisfactory examination in these branches, will exempt him from further examination in them for entrance as a second year student.

3.—Students who have passed one year in studying the above subjects under private tuition may present themselves to the Medical Department of the University for examination therein and if found proficient will be admitted as second year students, provided they pass the necessary preliminary examination. (See page 81). Certificates of private study under a physician or otherwise will not be accepted in lieu of examination.

4.—Graduates of recognized dental and pharmacy schools will be admitted to third year without examination, except the matriculation examination, provided they have conformed to the requirements for first and second years.

5.—Students holding tickets from other recognized medical colleges will receive proper credit for attendance and examinations and will be admitted to advanced standing accordingly. The preliminary examination of the college which issued the tickets must be equal to the requirements of this college, otherwise the matriculation examination lacking must be taken.

6.—Graduates of other regular medical colleges in good standing will be admitted as students of the fourth year.

By "*recognized*" is meant *recognized by this faculty.*

Under no circumstances will a student be credited with attendance upon two courses of lectures, unless such courses have been in different calendar years.

Diplomas from Homeopathic, Eclectic and other irregular schools of medicine will not be recognized.

Before admission, every student is required to obtain the Dean's receipt for the payment of the matriculation fee. It will therefore be necessary for the applicant to present himself at the office of the Dean, register his name as a student in the Medical Department, and pay his fee. New students will be assigned seats in the order of the date of matriculation.

EXPENSES IN THE MEDICAL SCHOOL.

All fees are payable in advance.

To those who enter at beginning of first year:

First year: Matriculation.....	\$5 00
Fee for course.....	130 00
One-quarter examination fee.....	7 50
Second year: Fee for course.....	130 00
\$3 00 deposit for laboratory breakage. (Returnable).	
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
One-quarter examination fee.....	7 50

To those entering beginning of second year (not having taken a course in this college):

Second year: Matriculation.....	5 00
Fee for course.....	130 00
\$3 00 deposit for laboratory breakage. (Returnable)	
One-third examination fee.....	10 00
Third year: Fee for course.....	130 00
One-third examination fee.....	10 00
Fourth year: Fee for course.....	30 00
One-third examination fee.....	10 00

To those who enter beginning of third year (not having taken a course in this college):

Third year: Matriculation.....	5 00
Fee for course.....	130 00
One-half examination fee.....	15 00
Fourth year: Fee for course.....	50 00
One-half examination fee.....	15 00

To those who enter beginning of fourth year (not having taken a course in this college):

Fourth year: Matriculation.....	5 00
Fee for course.....	100 00
Examination fee.....	30 00

HOSPITAL APPOINTMENTS.

Arrangements have been perfected by which the college has in its gift two appointments each year of house surgeons to the Good Samaritan Hospital. The appointment is for one year, during which time board and lodging will be furnished free at the hospital. An excellent opportunity is thus afforded for the graduate to acquire in the wards of a well equipped hospital, without any expense, a practical knowledge by clinical experience and actual practice.

The house surgeons of St. Vincent's Hospital will also be supplied from the alumni of this college.

PRIZES.

SAYLOR MEDAL. The Saylor Gold Medal, founded by Prof. Saylor, will be awarded to the graduate passing the best examination in all branches.

KOEHLER MEDAL. The Koehler Gold Medal, founded by Dr. Geo. F. Koehler, will be awarded to the undergraduate who obtains the highest total mark in Anatomy in final examination in that branch. Provided such mark is obtained in the regularly appointed years for such examination. The medal will be presented to the winner only at the time of graduation from this college.

For full particulars address the Dean,

S. E. JOSEPHI, M. D.,

Dekum Block.

Portland, Oregon.

TEXT BOOKS FOR THE SCHOOL OF MEDICINE.

The following list of books is given as a guide to the student.

SUBJECT.	AUTHOR.	FOR REFERENCE.
Anatomy	Gray	Quain.
Physiology	Dalton	Kirke, Yeo, Foster, Flint.
Chemistry	Fowne	Attfield, Richter, Leffman, Sem- ple's "Aids to Chemistry."
Materia Medica	{ Potter } { Bartholow }	Nat. Disp., U. S. Disp., Ringer.
Surgery	{ Bryant } { Ashurst } { Moullin }	Gross, Wyeth.
Theory and Practice	{ Osler } { Roberts } { Loomis }	Pepper, Reynolds.
Diagnosis	{ Loomis } { Fenwick }	Gee.
Obstetrics	{ Lusk } { Leischman }	{ Amer. System of Obstetrics.
Diseases of Children	{ Starr } { Smith }	{ Goodhart, Keating.
Gynæcology	{ Thomas & Munde }	{ Skene, Amer. System of Gynæ- cology.
Ophthalmology	Juler	{ Noyes, Buck.
Otology	Roosa	{
Pathology and Histology	Gibb	Delafield & Prudden.
Laryngology	Bosworth	
Dermatology	Duhring	Hyde, Neuman.
Toxicology	Taylor	
Orthopædic Surgery		Sayers.
Nervous Diseases	M. Allen Starr	Webber, Gowers.
Insanity	Blanford	Bucknill and Tuke.
Genito-Urinary Diseases	Keys	Bumstead, Otis, Thompson.
Medical Jurisprudence	Taylor	Tidy.
Hygiene	Rohe	
Bacteriology	Fraenkel	

FIRST YEAR.

C. W. Bales.
 H. W. Hegele.
 Olive McBride.
 S. S. Thayer.
 Pearl W. Geer.
 Jas. O. C. Wiley.
 Jno. B. Roth.
 R. F. Ashby.
 J. H. Bernard.
 A. B. Sedgwick.
 Kittie Gray.
 C. R. McKinlay.

E. T. Anderson.
 H. S. Brownton.
 H. F. Stryker.
 B. C. Altman.
 W. B. Altman.
 A. W. Adams.
 Lydell Baker.
 Edna D. Timms.
 Ethel L. Gray.
 Eugenia G. Little.
 W. Burke Wiley.

SECOND YEAR.

F. E. Selover.
 H. J. Rosenberg.
 H. H. Sutcliffe.
 Clayton S. Seaman.
 L. F. Brock.
 Isaac Kay, Jr.
 R. D. Wiswall.
 C. E. Wade.
 Otto Meesman.
 M. B. Grieve.
 Louis Buck.
 A. W. Kime.
 Miss M. Marsh.
 Irving L. Ward.
 H. T. Hoople.
 B. R. Job.

Geo. H. Strowbridge.
 Miss Ida Skelton.
 Mrs. B. C. Rinehart.
 C. E. Hawk.
 A. Tilzer.
 A. J. McIntyre.
 H. A. Littlefield.
 E. E. Cabel.
 Smith S. Johnson.
 Mrs. Isabel Arthur.
 E. V. Hoover.
 W. S. Hamilton.
 Mrs. C. T. Bell.
 H. Fleckenstein, Jr.
 J. L. Harris.
 M. J. Denny.

THIRD YEAR.

Mrs. T. Dittenhoefer.
 A. H. Ruedy.
 H. C. Johnson.

J. C. Powell.
 W. T. Miracle.
 A. A. Witham.

H. R. Biersdorf.

H. A. Dedman.

W. L. Parker.

G. H. Snape.

B. F. Giesy.

C. W. Faull.

Miss Olive Hartley.

Miss Davis.

Geo. Ainslie, Jr.

Miss L. Dempsey.

F. W. Broke.

Alex. Ried.

O. P. Low.

Miss E. Reed.

A. J. Rossiter.

Mrs. Ella Brown.

J. B. Munly.

J. H. M. Clinch.

Mrs. Mary P. Johnson.

Summary, 80.

Grand Summary:

College of Letters, 383.

School of Law, 82.

School of Medicine, 80.

Total, 545.

APPENDIX.

OFFICERS OF GOVERNMENT AND INSTRUCTION SINCE ORGANIZATION, 1873.

REGENTS.

Appointed.		Retired.
1873	HON. M. P. DEADY, L. L. D.,	Deceased, 1893
1873	HON. J. M. THOMPSON,	Deceased, 1882
1873	HON. T. G. HENDRICKS,	.....
1873	HON. GEORGE HUMPHREY,	Resigned, 1879
1873	HON. J. J. WALTON,	1882
1873	HON. B. F. DORRIS,	1882
1873	HON. W. J. J. SCOTT,	1877
1873	HON. L. L. MCARTHUR,	....
1873	HON. R. S. STRAHAN,	1882
1877	DR. S. HAMILTON,	....
1879	REV. E. R. GEARY, D. D.,	Deceased, 1887
1882	HON. HENRY FAILING,	....
1882	HON. A. BUSH,	....
1882	HON. RODNEY SCOTT,	1893
1882	HON. R. S. BEAN, B. S.,	1895
1887	HON. C. C. BEEKMAN,	....
1893	HON. A. G. HOVEY,	....
1893	HON. J. J. WALTON,	1895
1895	HON. S. H. FRIENDLY,	....
1895	HON. S. P. STURGIS,	Deceased 1896
1896	HON. CHAS. HILTON.	....

PRESIDENTS OF THE BOARD.

1873	HON. M. P. DEADY, L. L. D.,	Deceased, 1893
1893	HON. HENRY FAILING.

SECRETARIES.

1873	HON. J. J. WALTON,
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TREASURERS.

1873	HON. J. H. MCCLUNG,	1878
1878	HON. B. F. DORRIS,	1883
1883	HON. A. G. HOVEY.

EXECUTIVE COMMITTEES.

1876	HON. T. G. HENDRICKS,	....
1876	HON. W. J. J. SCOTT,	Resigned, 1876
1876	HON. J. M. THOMPSON,	Deceased, 1882
1876	HON. B. F. DORRIS,	1882
1882	HON. R. SCOTT,	1893
1882	HON. R. S. BEAN,	Resigned, 1893
1893	HON. A. G. HOVEY,	....
1873	HON. J. J. WALTON,	1895
1895	HON. S. H. FRIENDLY.	....

LIBRARIANS.

1885	PROF. MARK BAILEY	1891
1891	MISS DORA SCOTT.

CURATOR OF MUSEUM.

1887	PROF. B. J. HAWTHORNE.
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PRESIDENTS.

Elected.		
1876	PROF. J. W. JOHNSON, A. M.,	Resigned, 1893
1893	C. H. CHAPMAN, PH., D,

PROFESSORS.

1876	J. W. JOHNSON, A. M., <i>Professor of Ethics and Latin.</i>	....
1876	THOMAS CONDON, PH. D., <i>Professor of Geology and Natural History.</i>	....
1876	MARK BAILEY, PH. D., <i>Professor of Mathematics and Astronomy.</i>	1895
1876	MARY P. SPILLER, <i>Professor of Elocution and Principal of Prep. Department.</i>	Resigned 1888
1879	T. M. GATCH, A. M., <i>Professor of History and English Literature.</i>	Resigned, 1881
1879	GEORGE H. COLLIER, L. L. D., <i>Professor of Chemistry and Physics</i>	1895
1880	JOHN STRAUB, A. M., <i>Professor of Greek and Modern Languages.</i>	....
1882	CHARLES E. LAMBERT, A. M., <i>Professor of Mental Philosophy and English Literature.</i>	Resigned, 1884
1884	BENJAMIN J. HAWTHORNE, A. M., <i>Professor of Mental Philosophy and English Literature.</i>	....
1888	LUELLA C. CARSON, A. M., <i>Professor of Rhetoric and Elocution.</i>	....
1892	EDGAR MCCLURE, A. M., <i>Professor of Analytical Chemistry and Assistant Professor of Mathematics.</i>	....
1895	E. B. McELROY, PH. D., <i>Professor of English Literature.</i>	....
1895	CHAS. FRIEDEL, PH. D., <i>Professor of Physics.</i>	....
1895	F. G. YOUNG, A. B., <i>Professor of Economics and History.</i>	....
1895	F. L. WASHBURN, A. M., <i>Professor of Biology.</i>	....
1895	JOHN D. LETCHER, <i>Professor of Mathematics.</i>	....
1895	N. L. NARREGAN, <i>Dean of Preparatory Department.</i>	....
1895	R. P. BAKER, <i>Professor of Music.</i>	1896
1895	MARIE L. BARIGHT, <i>Professor of Elocution.</i>	....

1894	H. LEE MITCHELL, <i>Principal of Business Department.</i>	1895
1894	J. R. WETHERBEE, <i>Director Physical Education.</i>	.....
1894	MRS. HORTENSE WATKINS, <i>Matron of Dormitory.</i>	.....

TUTORS.

1876	MARY E. STONE,	Resigned, 1877
1877	LIZZIE BOISE,	Resigned, 1879
1878	JOHN STRAUB, A. M.,	Elected Prof., 1880
1882	E. E. BURKE, A. B.,	Deceased, 1883
1883	ANDREW GANTENBEIN,	1884
1884	B. B. BEEKMAN, A. M.,	Resigned, 1885
1884	A. C. WOODCOCK, A. B.,	Resigned, 1887
1887	FRANK A. HUFFER, A. B.,	Resigned, 1891
1887	EDGAR MCCLURE, A. M.,	Elected Prof., 1892
1890	PHILURA E. MURCH, A. M.,	.....
1891	E. H. MCALISTER, A. B.,	.....
1893	T. M. ROBERTS, A. B.,	1894
1894	ELLEN CONDON MCCORNACK,	1895
1895	INEZ DELASHMUTT, A. B.,	.....

DEPARTMENT OF MUSIC.

1886	D. W. COOLIDGE, <i>Professor and Director.</i>	Resigned, 1888
1888	MARY MCCORNACK, B. S., <i>Professor and Director.</i>	1895
1892	LOUISE SAWYERS-LINN,	1895
1892	ELIZABETH SAWYERS, B. M.,	1895

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NOTICE TO ALUMNI:—By order of the Board of Regents the Register of the Alumni will henceforth be published in the Catalogue once every three years.