

written work is required in recitation and review. Quiz exercises, inductive discussions and tests are frequent.

Courses I and II are required of Classical and Philosophical Sophomores. Courses III-VIII are elective for Juniors and Seniors.

I.—Mediaeval History. Fall Semester, three hours.

II.—Modern History. Spring Semester, three hours.

III.—General History of England. Fall Semester, 1908, elective.

IV.—History of the Reformation. Spring Semester, 1908.

V.—History of the European Nations in the 19th Century.

VI.—History of the Philanthropic Institutions in the 19th Century. Spring Semester, 1909, three hours, elective.

VII.—Colonial and Constitutional History of the United States

VIII.—Constitutional and Political History of the United States from the War of 1812. Spring Semester, 1909, three hours, from the War of 1812. Spring Semester, 1909, three hours, elective.

THE LATIN LANGUAGE AND LITERATURE

Students entering college with but three entrance units of Latin will make up the Vergil or Cicero, as the case may be, in the Academy, receiving college credit to the extent of six semester hours. No student may without special permission undertake the courses described below unless he has taken, or is taking, the work corresponding to the fourth entrance unit.

Courses I-IV are required of all candidates for the degree of A. B. or Ph. B. They are so arranged as to include representative passages of permanent human interest distributed through the period from Terence to Tacitus, with such studies in antiquities and in literary and political history as will tend to give a comprehensive view of Roman civilization and Rome's contribution to the life of the modern man. These courses are given every year and should be taken in the order indicated.

Courses V-XII are elective. They comprise two groups which are offered alternate years. Not more than two of these courses are given in any one semester. In 1907-8 the group will be V, VI, IX, and X.

In arranging these electives the needs of several classes of students have been considered. Those intending to teach second-

ary Latin should be particularly interested in VI, X, and XII; students of general literature in VII, and XII; students of history in V, and VI; scientific students in IX; and students of theology and philosophy in VII, VIII, and IX; while any who look forward to graduate work in Latin will find open to them throughout the Junior and Senior years courses suited to their needs.

I.—*Livy*. Selections from Books I, XXI, and XXII. Systematic review of Latin syntax in connection with exercises in Latin composition based upon the text read. Studies in early Roman history.

Three hours, Fall Semester, required of Freshmen who are candidates for the A. B. and the Ph. B. degrees.

II.—*Latin Comedy and Cicero's Letters*. The *Phormio* of Terence or the *Captivi* of Plautus, with attention to the simpler metres, and to archaic forms and constructions so far as necessary for the understanding of the text. The rapid reading of selections from Cicero's Letters with emphasis on the biographical and historical content. Studies in the political and literary history of the Republic. Characteristics of the Latin of every-day life as illustrated by the comedy and the letters.

Three hours, Spring Semester, required of Freshmen who are candidates for the A. B. or Ph. B. degrees.

III and IV.—*Horace, Pliny and Tacitus*. Selections from Horace, chiefly of the Odes and Epodes but including several of the Satires of greatest biographical interest. Metrical reading of the Latin. Mythological and historical references. Selections from the *Agricola* and *Germania* of Tacitus. Letters of Pliny at sight. Studies in the literary and political history of the early empire and in Roman private life.

Two hours, Fall and Spring Semesters, required of Sophomores who are candidates for the A. B. or Ph. B. degree.

V.—*Cicero's Letters and Roman Political Institutions*. This course is based on a selection of the letters entirely different from that used in II. Political and constitutional references are emphasized. "About Roman Political Institutions" is studied.

Three hours, Fall Semester, 1908, elective for all who have completed Course IV.

VI.—*Tacitus and Juvenal*. Most of the time is given to the *Annals*, Tacitus' most characteristic work. His style, syntax, and diction are studied. The essentially satirical temper of the *Annals* is illustrated by the study of selections from the *Satires* of Juvenal.

Three hours, Spring Semester, 1909, elective for all who have passed IV.

VII.—The Epistles and Satires of Horace. Interpretation of the *Ars Poetica* and the more significant literary epistles and satires with particular attention to the questions of literary history and criticism involved.

Three hours, Spring Semester, 1908, elective for all who have completed the required courses.

VIII.—The De Finibus of Cicero. This exposition and criticism of the leading ethical theories of antiquity will be interpreted in comparison with the corresponding types of modern ethical opinion.

Three hours, Spring Semester, 1908, elective for all who have completed the required courses.

IX.—Lucretius' De Rerum Natura. The selections made will illustrate the poetic genius and moral earnestness of Lucretius, as well as the interesting parallels which his physical and biological doctrines present to the speculations of modern scientists.

Three hours, Fall Semester, 1908, elective for all who have completed the required courses.

X.—Teachers' Course. (a) A survey of Latin Grammar in view of recent investigations, with a comparison of the leading school grammars, the grammatical study of portions of the text commonly read in secondary schools, and the writing of Latin exercises. (b) Informal lectures on methods of teaching secondary Latin, bibliography for Latin teachers, and the bearing of the study of manuscripts, inscriptions, and coins on the interpretation of ancient literature.

Three hours, Spring Semester, 1909, elective for those who intend to teach Latin.

XI.—Roman Comedy. One comedy of Plautus will be carefully studied from both the literary and the linguistic point of view, and one or two others will be more rapidly read. In case the class is unfamiliar with Terence, one play may be from that author.

Three hours, Fall Semester, 1907, elective for all who have completed the required courses.

XII.—Vergil. *Georgics* and *Bucolics*. This course provides an introduction to two new types of Latin poetry, including what Mackail has called "The most splendid literary production of the Empire." Prospective teachers of the *Aeneid* find here an opportunity to extend their knowledge of Vergil.

Three hours, Fall Semester, 1908, elective for all who have completed the required courses.

MATHEMATICS AND MECHANICAL DRAWING.

The department is prepared to furnish instruction in pure and applied mathematics. The former courses are provided for the general student, while the latter are offered for the benefit of those who desire to prepare for an engineering course. Students who take the Pre-Engineering course will, upon its completion, have finished about the first two years of an Engineering Course.

The equipment for Mathematics consists of models of surfaces of revolution, ellipsoids, paraboloids, and hyperboloids, made of plaster and thread. Also wooden models of elementary geometrical solids and intersections of the same; spherical blackboards; blackboards ruled for rectangular and polar coordinates; trigonometric models showing the functions of any angle; protractors, compasses and other articles helpful to the student of mathematics.

The equipment for surveying consists of a Gurley engineer's transit with vertical circle and stadia wires; a Keuffel and Esser engineer's Y level; rods, chains, tapes, slide rules, planimeters, aneroids and other minor instruments.

MATHEMATICS.

I.—Solid Geometry. Four hours, Spring Semester. Required of all Freshmen not offering Solid Geometry for entrance.

II.—College Algebra. Review of Academic Algebra; graphic representation; binomial theorem; series. Two hours, Fall Semester. Required of all Freshmen.

III.—College Algebra. Permutations and combinations; complex numbers; theory of equations; determinants; logarithms. Three hours, Spring Semester. Required of all Freshmen.

IV.—Plane Trigonometry. The six trigonometric functions; principal formulas of plane trigonometry; solution of triangles and practical problems. Five hours, Fall Semester, for the first time weeks. Required of Scientific and Pre-Engineering Sophomores.

V.—Analytic Geometry. The straight line and circle. Five hours, Fall Semester, following plane trigonometry. Required of Scientific and Pre-Engineering Sophomores.

VI.—Analytic Geometry. Conic sections; higher plane curves;

solid analytics. Two hours, Spring Semester. Required of Science and Pre-Engineering Sophomores.

VII.—Differential Calculus. Fundamental principles; derivatives; applications to geometry and mechanics; maxima and minima; indeterminate series. Three hours, Spring Semester. Required of Pre-Engineering Sophomores.

VIII.—Continuation of Differential Calculus, followed by Integration; definite integrals; application to lengths, areas, and volumes. Five hours. Fall Semester. Required of Pre-Engineering Juniors.

IX.—Analytic Mechanics. Geometry of motion; kinematics; statics; dynamics of a particle and of a rigid body. Five hours, Spring Semester. Offered on alternate years. Required of Pre-Engineering Juniors and Seniors.

X.—Surveying. Engineers' instruments, their construction and adjustment; method of making and plotting land, topographic, mining, and hydrographic surveys; sources of errors and the means of controlling the precision of field-work; leveling and earthwork. Five hours, Spring Semester. Alternates with Analytic Mechanics. Required of Pre-Engineering Juniors and Seniors.

XI.—Elementary Mechanics. An elementary course, requiring a knowledge of elementary physics and plane trigonometry. Two hours, Fall Semester. Required of Pre-Engineering Sophomores.

XII.—Descriptive Astronomy. An introductory course covering the general principles of the science. Two hours, Spring Semester. Elective for all Juniors and Seniors.

XIII.—Teachers' Course. Designed for students preparing to become teachers of mathematics. This course consists of (1) history of Mathematics, reading, and lectures; (2) discussions on the best methods of presenting the subject; (3) practice teaching. Two hours, Spring Semester. Open to students who have completed courses I-VIII.

MECHANICAL DRAWING.

I.—Free-hand Drawing. Drawing with pencil and pen and ink. One hour in both Fall and Spring Semesters. Required of all Pre-Engineering and Pre-Medical Freshmen.

II.—Elements of Drawing. Geometrical constructions and various simple exercises, with abundant practice in freehand letter-

ing. Three hours, Fall Semester. Required of Pre-Engineering Freshmen.

III.—Mechanical Drawing. Orthographic, isometric, and cabinet projections. Two hours, Spring Semester. Required of Pre-Engineering Freshmen.

IV.—Mechanical Drawing. Sections and intersections; free-hand lettering; shades, shadows, and perspective. Three hours, Fall Semester. Required of Pre-Engineering Sophomores.

V.—Mechanical Drawing. Working drawings; tracing; blue printing; elements of machine drawing. Two hours, Spring Semester. Required of Pre-Engineering Sophomores.

VI.—Descriptive Geometry. Problems relating to the point, line, and plane. The generation and classification of lines and surfaces; planes tangent to surfaces of single and double curvature; intersections, developments, and revolutions. Three hours, Spring Semester. Required of Pre-Engineering Sophomores.

MUSIC.

We believe that some knowledge of Music is essential to any broad culture. Therefore a Conservatory of Music is maintained as a part of the University. For the complete description of the courses there offered see the outlines as presented in that section of the catalog devoted to The School of Fine Arts. For college credits allowed for this work see The School of Fine Arts.

A special fee is attached to these courses.

PHILOSOPHY.

I.—Psychology. An introductory course, consisting of lectures and class discussion based on a text. The physical basis of consciousness, the sensory, nervous and motor mechanism, the phases and phenomena of mental activity, normal and abnormal states of consciousness; the psychology of the mob, of advertising, of salesmanship.

Three hours, Fall and Spring Semesters. Required of all Juniors.

II.—Logic. The laws of thought, Induction, Deduction, Propositions, Syllogisms, Fallacies. Class exercises based on a text book.

Three hours, Spring Semester.

III.—Ethics. Lectures, class discussion, prescribed reading.

The theory of ethics, theories of the moral ideal, the moral life, moral growth, metaphysical implications.

Two hours, Fall Semester, required of all Seniors.

IV.—Christian Evidence. Lectures and text book. The metaphysical basis of theism, arguments for the existence of God, the grounds for belief in the work and message of Christ and in Christian experience.

Three hours, Spring Semester, required of all Seniors.

V.—The History of Philosophy. An outline course, stating the problems of philosophy, and outlining the progressive development of philosophical theories. Lectures, text and assigned reading. An introduction to the study of Modern Philosophy.

Three hours, Fall Semester, elective for all who have finished Psychology.

PHYSICS.

A large laboratory in the basement of University Hall is used for this department. It is well equipped. Several valuable pieces of apparatus have been imported this year. New additions are being made constantly as funds may be in hand to purchase them.

I.—Introductory. Lectures and recitations on the laws of physical phenomena, the study of sound and heat. The laws of forces, static and dynamical. A knowledge of Mathematics through Analytical Geometry is presumed. The effort will be to present the subject of Physics as a branch of all science, keeping in view the intimate relation in origin and in development, of all the phenomena of the universe.

Fall Semester, three hours, required of Pre-Medical Sophomores, elective for others. Offered in 1907-8.

II.—Light, Electricity and Magnetism. The same method of instruction is employed as in Course I. It is intended to give the student such a knowledge of the subject as will fit him to understand and appreciate the discoveries in electrical science and to apply these to the practical problems of the day. In order further to stimulate the students to become acquainted with the literature of Physics, each is required to prepare a satisfactory essay on some subject before the close of this course. Laboratory work two days each week during both Semesters.

Spring Semester, three hours, required of Pre-Medical Juniors and Seniors. Offered in 1907-08.

III.—Mechanics, Sound and Heat. A course of lectures and

recitations designed for Pre-Engineering students. At least one laboratory period per week.

Elective for Scientific Juniors or Seniors who have a working knowledge of Analytics and Calculus. Five hours, Fall Semester. Required in Pre-Engineering course. Offered in 1908-09 and in alternate years thereafter.

IV.—Light, Electricity, and Magnetism. A continuation of Course III.

Elective for Scientific Juniors and Seniors who have a working knowledge of Analytics and Calculus. Spring Semester, five hours. Required of Pre-engineering students. Given in 1908-09 and in alternate years thereafter.

PHYSIOLOGY.

I.—General Physiology. Lectures and laboratory work.

Fall Semester, three hours, required of Sophomores registered in the pre-medical group.

II.—Advanced Physiology. A continuation of Course I. A study of Neurology or Osteology. The nervous system and its end organs, or the human skeleton, as the needs of the class may demand. Lectures and laboratory work. Open only to those who have completed Course I.

Three hours, Spring Semester, required of Sophomores in the pre-medical group, elective for others.

III.—Comparative Physiology and Anatomy. A comparative study of mammalian types. Lectures and laboratory work on typical forms. The course is especially designed to meet the needs of medical candidates.

Five hours, Fall Semester, required of Seniors registered in the pre-medical group.

SOCIOLOGY.

In this department a text book is followed, but students are provided with outside reading from books and current literature.

Discussion on up to date economics and social problems is stimulated.

Written essays constitute a part of the work.

I.—Political Economy. Fall Semester, three hours, required of all Seniors.

II.—General Sociology. Spring Semester, three hours, required of all Seniors.

ZOOLOGY.

I—Invertebrate Zoology. The purpose of this course is to give the student a definite idea of the principles of the science of Zoology as generally accepted by zoologists, in order that he may understand the philosophical discussions and writings relating to modern doctrine of biology. Lectures and laboratory work on typical invertebrate forms.

Three hours, Fall Semester, required of Scientific and Pre-Medical Sophomores, elective for Juniors and Seniors.

II—Vertebrate Zoology. One lecture and one laboratory exercise weekly. Open only to those who have taken Course I.

Spring Semester, three hours, required of Scientific and Pre-Medical Sophomores, elective for Juniors and Seniors.

The Academy.

The Academy of Ottawa University is maintained in response to a widespread demand for a secondary school which shall offer instruction of the very best type under distinctly Christian influences.

Students in the Academy are entitled to all the privileges to which the students of the other schools are entitled. The library and reading room, the gymnasium and athletic grounds, the musical, social, literary, and religious societies are all open to them within the limitations of their constitutions.

ENTRANCE REQUIREMENTS.

For entrance to the Academy the student will be expected to present credentials showing the satisfactory completion of the work of the grade schools. Opportunity will be given to make up deficiencies in Arithmetic, Grammar, Geography and Spelling, but students who are hampered by entrance deficiencies cannot expect to complete the course in the usual time.

The courses of the Academy are three in number, each leading to a diploma, and providing fifteen units of work. A unit in the Academy is one study carried through one school year with four recitations of one hour each every week. Students who hold a diploma of this Academy may enter without examination the College of Ottawa University, or of any of the other schools of Kansas and the contiguous states.

LENGTH OF COURSES THREE YEARS.

Students who are mature, in good health and ambitious, are

encouraged to complete the work of the Academy in three years, thereby saving one year of the ordinary high school course. This opportunity commends itself at once to students who appreciate the value of time, and who desire to enter college as soon as possible. Under this schedule the student will carry twenty hours of class room work each week for three years. Careful oversight will be maintained over the work and health of each student endeavoring to complete his academic course in three years.

Any student entering the Academy for the first time may register in five subjects, but after the first semester the average of all his previous grades must be at least "B" or he will be required to drop one of his studies and spend four years in the Academy.

Every opportunity consistent with the highest type of work will be given to ambitious and energetic students to complete the work in three years. It is suggested, however, that those students who are young or whose health is not excellent should adopt the four year plan. Also those students who wish to take work in the School of Fine Arts or some Bible Courses during the time spent in the Academy are advised to devote four years to their Academic course. Those who complete the course in three years will take only what is included in the Schedule of Courses, but those who prefer the four year course must take one extra four hour subject or its equivalent for one year from among the electives offered on the following page.

SCHEDULE OF COURSES.

As above stated, the courses are three in number, the classical and philosophical, and the scientific. The requirement of each of these courses is as follows. The letters indicate the serial number of the course, the numerals show the number of recitations per week.

JUNIOR CLASS.

Classical and Philosophical		Scientific	
Fall.	English..... A, 4	English..... A, 4	
	History..... A, 4	History..... A, 4	
	Latin..... A, 4	Latin..... A, 4	
	Mathematics..... A, 4	Mathematics..... A, 4	
	Physiography..... A, 4	Physiography..... A, 4	
Spring.	English..... B, 4	English..... B, 4	
	History..... B, 4	History..... B, 4	
	Latin..... B, 4	Latin..... B, 4	
	Mathematics..... B, 4	Mathematics..... B, 4	
	Physiography..... B, 4	Physiography..... B, 4	

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MIDDLE CLASS.

Fall.	English.....	C, 4	English.....	C, 4
	Latin.....	C, 4	Latin.....	C, 4
	Mathematics.....	C, 4	Mathematics.....	C, 4
	Physics.....	A, 4	Physics.....	A, 4
	Botany.....	A, 4	Botany.....	A, 4
Spring.	English.....	D, 4	English.....	D, 4
	Latin.....	D, 4	Latin.....	D, 4
	Mathematics.....	D, 4	Mathematics.....	D, 4
	Physics.....	B, 4	Physics.....	B, 4
	Botany.....	B, 4	Botany.....	B, 4

SENIOR CLASS.

Fall.	English.....	E, 4	English.....	E, 4
	Latin.....	E, 4	Latin.....	E, 4
	Mathematics.....	E, 4	Mathematics.....	E, 4
	Latin.....	G, 4	History.....	C, 4
	History.....	C, 4	Zoology.....	A, 4
Spring.	English.....	F, 4	Latin.....	F, 4
	Latin.....	F, 4	English.....	F, 4
	Mathematics.....	F, 4	Mathematics.....	F, 4
	Latin.....	H, 4	History.....	D, 4
	History.....	D, 4	Zoology.....	B, 4

Students who elect to do the work of the Academy in four years may elect from the following group of courses such subjects as they may desire, except that not more than 20 hours may be carried at any one time. Work taken in the college in the fourth year of academy work will be credited toward the college degree, but in every case the student will be required to secure the written consent of the instructor in charge before he can be registered in any college subject.

From the Business College.

Fall	Spring
Bookkeeping.	Bookkeeping.
Stenography.	Stenography.
Typewriting.	Typewriting.
Telegraphy.	Telegraphy.

From the Academy.

Zoology A.	Zoology B.
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From the College.

Mathematics II.	Mathematics III.
Rhetoric I.	Chemistry I.
Biology I.	Biology II.

Bible Courses.

Bible A. Life of Christ. Bible B. Founding of the Church.

CLASSIFICATION.

Students who have been properly registered, and who have completed less than five units of the course outlined, are classified as Juniors. Those who have completed five or more units, but less than ten units, are classified as Middle class students; and those who have completed ten units are classed as Seniors. On completion of the fifteenth unit of work the student is entitled to his diploma, and will receive it on the commencement day following, providing he has met such other provisions and requirements as the University may prescribe.

COURSES OF STUDY.

BIBLE.

Bible A.—The Life of Christ. A survey of the preparation of the world for the coming of Christ, a careful study of the times in which He lived, a harmony of His life as outlined in the four Gospels. Two hours, Fall Semester.

Bible B.—The founding of the Christian church with a careful study of the life and journeys of Paul. Two hours, Spring Semester.

These courses are planned especially for those students who take the course in the Academy in four years.

BOTANY.

A.—Structural and Physiological Botany. A general survey of the plant world, designed to give the student a comprehensive view of the entire vegetable kingdom. Some of the life processes of plants, especially those which illustrate the fundamental principles of nutrition, assimilation, growth, irritability, and reproduction are studied. Types of the lower plants as well as of the higher are employed in order to show that the process is fundamentally the same in all.

Four hours, Fall Semester, required of the Middle Class.

B.—A Continuation of Course A. Due attention is given to

the subject of Plant Ecology. The preparation of a herbarium and the analysis of a sufficient number of plants to familiarize the student with the methods of plant analysis and classification are required.

Four hours, Spring Semester, required of the Middle Class.

ENGLISH.

The courses in English offered in the Academy are designed to give to the student: (1) An accurate, though elementary knowledge of the English Language and Literature, and (2) systematic practice in simple Prose Composition.

A.—First Year English. First Semester, 4 hours. Constant practice is given in oral expression of thought through class recitation. Written work is required weekly or oftener, chiefly upon subjects previously discussed in the class. The chief aim in reading is to cultivate a taste for the best literature and an appreciation of its beauty and worth. Selections are read from Scott, Irving, Lowell, Tennyson, and Eliot. A more careful study is made of two or three masterpieces.

B.—Second Semester, 4 hours. A continuation of A.

C.—Second Year English. First Semester, 4 hours. For general description see English A. Reading from Shakspeare, Coleridge, Dickens, Macaulay, Addison and Steele.

D.—Second Semester, 4 hours. A continuation of C.

E.—Third Year English. First Semester, 4 hours. For general description see English A. Reading from Chaucer, Shakspeare, Milton, Eliot, and Burke.

F.—Second Semester, 4 hours. A continuation of E.

In addition to the formal work in English, special instruction is given in the principles of correct speech and address, and in the writing and pronouncing of orations. Detailed information relative to this work is given to the classes affected at stated times in the course of the school-year.

HISTORY.

The student selecting the courses in history here described will have secured a rapid bird's-eye view of the important epochs of human history. The Academy is fully provided with books, charts and maps for the proper presentation of this work.

A.—Ancient History. 4 hours, Fall Semester, required of Juniors. Text: Ancient History, Meyers.

B.—Ancient History. 4 hours, Spring Semester, required of Juniors. Text: Ancient History, Meyers.

C.—Mediaeval History. 4 hours, Fall Semester, required of Seniors. Text: Mediaeval and Modern History, Meyers.

D.—Modern History. 4 hours, Spring Semester, required of Seniors. Text: Mediaeval and Modern History, Meyers.

LATIN.

Each year's work consists of two connected courses which together form a unit.

A. and B.—The Elements of Latin. Oral and written drill in declension and conjugation throughout the year; vocabularies impressed by the study of English derivations and Latin correlatives; practice in the accurate, smooth, and intelligent reading of the Latin; the reading of a considerable amount of easy Latin; the study and use of the more common noun and verb constructions.

A.—4 hours, Fall Semester, required of all Junior students.

B.—4 hours, Spring Semester, required of all Junior students.

C. and D.—Caesar and Latin Composition. Books I-IV or their equivalent. Study of the structure of the complex sentence. Daily exercises in Latin composition based on the text just read. Examples of the various constructions met in the text systematically arranged in the students' note-books and made the basis of grammatical study.

C.—4 hours, Fall Semester, required of all Middle class students.

D.—4 hours, Spring Semester, required of all Middle Class students.

E. and F.—Cicero's Orations and Latin Composition. Emphasis is placed on the historical and rhetorical significance of the speeches. Students are encouraged to interpret by the proper oral rendition of the Latin text. Composition and Grammar are continued as in the case of Caesar. The speeches regularly read are those against Catiline, the one for the Manilian Law and the one for Archias.

E.—4 hours, Fall Semester, required of all Seniors.

F.—4 hours, Spring Semester, required of all Seniors.

G. and H.—Vergil's Aeneid and Latin Composition. The Aeneid is studied primarily as literature. The student is helped to understand the poem as related to the Augustan age, to the Homeric epic, and to modern literature. The characteristics of the Aeneid are so considered as to provide an introduction to poetry in general. The rhythmical and at the same time intelligent reading of the Latin forms an essential part of the work throughout. The exercises in Latin composition for the year illustrate a systematic review of Latin syntax.

G.—4 hours, Fall Semester, required of Seniors who intend to become candidates for the classical or philosophical degrees of Ottawa University.

H.—4 hours, Spring Semester, required of Seniors who need to take Course G.

MATHEMATICS.

A.—Algebra. An introductory course. Four hours, Fall Semester. Required of all Junior students.

B.—Algebra. A continuation of course A, extending to the theory of exponents. Four hours, Spring Semester. Required of all Juniors.

C.—Algebra. Rapid review; theory of exponents; radicals; quadratic equation. Four hours, Fall Semester. Required of all Middle Class students.

D.—Plane Geometry. Exercises based on a text, with special emphasis on original problems. Four hours, Spring Semester. Required of all Middle Class students.

E.—Plane Geometry. A continuation of Course D. Four hours, Fall Semester. Required of all Seniors.

F.—Solid Geometry. Four hours, Spring Semester. Required of all Seniors.

PHYSICAL SCIENCE.

The work is carried on in the laboratories of the college, and every reasonable facility is provided for the mastery of the principles presented.

Physiography. Lectures, recitations, laboratory and field work on the physical features of the earth. The courses lay a founda-

tion for later geological study, and call attention to the forces now affecting the earth's crust.

A.—The earth's movement and the solar system; the erosion and disintegration of the earth's surface by the action of water; the formation of soils and the relation of the physical features of the earth to the life of man.

Four hours, Fall Semester, required of all Juniors.

B.—The atmosphere, its properties and movements; climate and its factors; the distribution of life; the adjustment of industrial pursuits of environment.

Four hours, Spring Semester, required of all Juniors.

Physics. The elementary principles of Physics are presented by text, lectures and laboratory experiment. Every effort is made to present the fundamental laws which underlie physical phenomena, and to introduce the student to the methods of modern science. An introductory course.

A.—The properties of matter, mechanics, and heat. Laboratory work on two days of each week.

Four hours, Fall Semester, required of the Middle Class.

B.—Sound, light, electricity, and magnetism. Laboratory work on two days of each week.

Four hours, Spring Semester, required of the Middle Class.

ZOOLOGY.

A brief survey of the entire animal kingdom with laboratory work on typical group forms accompanied by field work. This course is intended as an introduction to Higher Zoology and presents to the student a general view of animal life.

A.—Invertebrates. Four hours. Fall Semester. Required of Scientific Seniors. Elective for others.

B.—Vertebrates. Four hours. Spring Semester. Required of Scientific Seniors. Elective for others.

The Normal School.

GENERAL INFORMATION.

The Normal School of Ottawa University is organized and maintained under the conviction that there are few ways in which a Christian school can more effectively exert its proper influence than by training and moulding teachers, who shall carry its message abroad into the rank and file of society. It is felt that the new interpretation which is being put upon the term "Education" is singularly opportune to the ideals for which Ottawa University stands, and for that reason a special emphasis is being laid upon the work of this school.

The school is organized under the laws of the state of Kansas. The courses offered have received the fullest approval of the State Board of Education, and graduates of the school are entitled to all the advantages which the law provides. Every student who has completed the course offered by this Normal School, is entitled, after passing an examination in the so-called professional subjects, to a three-year's state certificate, enabling him to teach without further examination in any public school, including the schools of cities of the first and second class, in Kansas and in some other states. If the holder of this three-year certificate teaches acceptably during two of the three years during which the certificate is in force, he may exchange it for a life-certificate.

Normal students may at any time during or after their graduation register in any of the regular classes of the Academy or of the College. Full credit will be given for all standard credits earned in the Normal School, and no time is lost by reason of courses which are below standard or unacceptable in any current schedule of entrance requirements.

A Bureau of Recommendations has been organized, which will endeavor to assist every graduate of promise in securing a position on the basis of his merit. The bureau will endeavor to enter into relations with employers, and to keep a carefully corrected and thoroughly accurate record of every graduate, with a view to placing Ottawa graduates into such positions as they may be qualified to hold.

Normal students are entitled without extra cost to all the privileges of the University library and reading room, to membership in the religious, literary, and social organizations, and to the use of the University gymnasium. Regular instruction is offered in the gymnasium, and normal students may at will join any of the University athletic teams for which they may be qualified.

Tuition and fees in the Normal are the same as in the College and the Academy.

ENTRANCE REQUIREMENTS.

The entrance requirements of the Normal School are identical with those of the Academy. The candidate will be expected to show evidence of satisfactory progress in the work covered in the grade-schools, and must in addition, in order to secure the active co-operation of the school, show himself to be a person of genuine ability and of sound character. The University will not recommend a student who is defective in either of those directions.

The Normal Course proper covers four years of work. For the convenience of a considerable number of students who enter deficient in one or more of the common branches, a preparatory year is maintained. The work included in the course is as follows. The letters indicate the numbers of the course, the arabic numerals indicate the number of recitations per week.

NORMAL COURSE.

Preparatory Year.

Fall Semester.

Arithmetic
Grammar
U. S. History
Spelling
Penmanship

Spring Semester.

Arithmetic
Grammar
Geography
Bookkeeping
Commercial Law

First Year.

Algebra	A. 4	Algebra	B. 4
Latin	A. 4	Latin	B. 4
English	A. 4	English	B. 4
History	A. 4	History	B. 4

Second Year.

Algebra	C. 4	Geometry	D. 4
Latin	C. 4	English	D. 4
English	C. 4	Latin	D. 4
Physics	A. 4	Physics	B. 4
Botany	A. 4	Botany	B. 4

Third Year.

English	E. 4	English	F. 4
Rhetoric	I. 5	Chemistry	I. 5
Biology	I. 3	Biology	II. 3
Pedagogy	I. 4	Pedagogy	III. 5

Fourth Year.

Psychology	3	Psychology	3
Geology	I, 5	Pedagogy	IV, 5
Political Economy	3	Pedagogy	II, 5
Ethics	2	Sociology	3
Pedagogy	V, 1		
Elective	2		

To students who have completed this course, the University will issue a Normal diploma, which will entitle the student to full credit before the State Board of Education, except that he must pass the state examination in the technical subjects. This examination is held in May of each year in University Hall, under the supervision of this University.

It will be noticed that the courses named above form an eclectic group, selected from the usual courses of the high school and college. The elective courses indicated must be selected from the collegiate courses. The courses fall into four groups:

1.—The Sub-Academic Courses are those which are offered in order to give students an opportunity to make up back work.

2.—The Academic Courses are those which in the above list are marked with capitals. They will be found described in detail in connection with the statement of the work of the Academy.

3.—The Courses Bearing Roman Numerals are selected from the regular college course, and represent some of the more important elements of that group of courses. Detailed descriptions of these courses may be found in connection with the work of the College of Liberal Arts.

4.—The Professional Courses under the title of Pedagogy I to V, include the subjects prescribed by the State Law of Kansas. A detailed description of these courses will be found in the collegiate section of this catalog, in the group of subjects entitled "Philosophy" and "Education." The courses are as follows:

Pedagogy I,	School Methods
Pedagogy II,	School Management
Pedagogy III,	School Law
Pedagogy IV,	Philosophy of Education
Pedagogy V,	History of Education

The School of Fine Arts.

Departments.—There are three departments in The School of Fine Arts: The Conservatory of Music, The School of Art, and The School of Expression. Thorough and systematic instruction is offered in each of these departments leading to its appropriate diploma or degree. The Conservatory studios are located in the center of the city where they are easily accessible to both citizens and students. It is also expected that arrangements will be made so that college students may receive instruction in one of the college buildings if it is desired. The standard of instruction may be expected to be of the highest character.

The Art studio is located in University Hall. It is a large well lighted room equipped with models and other necessary apparatus for the best work.

The Department of Expression has its headquarters in University Hall for the present. During the past years Ottawa University has taken high rank in this work. It does not propose to take any backward step.

In all of these departments the University expects to furnish first class opportunities to the students and to the public in general. It proposes to meet every reasonable demand. Instruction shall be thorough. Good foundations shall be laid for the most advanced work in special schools.

Entrance Requirements. These are given in detail in connection with a statement of each course as it is outlined. It is expected that in each department the student will show a good degree of proficiency in the English language and the branches taught in the public schools, otherwise it will be impossible to carry on the work with any satisfaction to the pupil or credit to the University.

Tuitions, Fees, Etc. The tuition rates in the School of Fine Arts depend upon the kind and quantity of work taken. The following are the rates in force at the present time. The University reserves the right to change these rates without notice, though no very radical change will be made without due notice.

The Conservatory of Music.

Piano, Grades I and II, 20 half-hour lessons, 2 each week.....	\$10.00
Piano, Grade III, 20 half-hour lessons, 2 each week.....	12.00
Piano, Grade IV, 20 half-hour lessons, 2 each week.....	15.00
Piano, Grades V and VI, 20 half-hour lessons, 2 each week.....	20.00
Vocal Training 20 half-hour lessons, 2 each week.....	20.00
Public School Singing, 20 half-hour lessons, 2 each week.....	20.00

History, Theory or Harmony, 20 half-hour lessons, 2 each week 10.00
 Chorus Singing Special arrangements
 Violin, 20 half-hour lessons, 2 each week 20.00
 Pipe Organ, single lessons, half-hour 1.00
 Special arrangements will be made for lessons on Mandolin,
 Guitar, Cello, Reed and Brass Instruments. Special rates will be
 made for one hour lessons when they are desired.

The Art Department.

Single lessons, one hour \$ 1.00
 18 lessons, once per week during the Semester, 2 hrs each 4.00
 36 lessons, two each week during the Semester, 3 hours each 10.00
 54 lessons, three each week during the Semester, 3 hours each 13.00
 90 lessons, five each week during the Semester, 3 hours each 22.00
 Pyrography, single lesson35

The School of Expression.

Single lessons, half-hour \$.75
 Single lessons, one hour 1.25
 Two half-hour lessons per week for the Semester 25.00
 One half-hour lesson per week for the Semester 15.00
 One one-hour lesson per week for the Semester 20.00

Classes will be organized on special terms when a sufficient number warrant it.

Credits. A College credit of not more than six semester hours will be given for work done in The School of Fine Arts or in the College Orchestra. Not more than two of these credits may be for instrumental music. Not more than four of them may be for work done in the College Orchestra, as follows, one-half Semester hour credit for one semester's work in the orchestra. With the above restrictions these credits may be offered in any of the departments of this school. The purpose of this credit is to encourage the students to take some work in music, especially musical theory and history, and Art, especially Free-hand Drawing and Expression. These are all topics of vital interest to one who desires a broad culture.

The Conservatory of Music.

Courses. There are three: the Degree course, the Diploma course and special students. To meet the demands of these classes the following outline is planned.

THE DEGREE COURSE.

Leading to the Degree of Bachelor of Music. Full fifteen units of preparatory work are required for unconditional entrance to this course. These units must be taken in the Academy of the University or some accredited high school or academy. A student will be admitted if he does not lack more than three units of work, but these units must be made up in the early part of the course. These deficiencies can be made up in the Academy. Also students will be expected to have completed the preliminary courses on the piano.

FIRST YEAR.

Fall Semester	Spring Semester.
A Modern Language, 5 hours.	A Modern Language, 5 hours.
Rhetoric I, 5 hours.	Harmony II, 2 lessons.
Harmony I, 2 lessons.	Grade Ib in the selected
Grade Ia in the selected	musical group, 2 lessons.
musical group, 2 lessons.	

SECOND YEAR.

A Modern Language, 5 hours.	A Modern Language, 5 hours.
Harmony III, 2 lessons.	Harmony IV, 2 lessons.
Grade IIa in the selected	Grade IIb in the selected
musical group, 2 lessons.	musical group, 2 lessons.
Theory, 1 lesson.	Theory, 1 lesson.

THIRD YEAR.

A Modern Language, or	A Modern Language, or
English Literature, 5 hours.	English Literature, 5 hours.
Grade IIIa in the musical	Grade IIIb in the musical
group selected, 2 lessons.	group selected, 2 lessons.
History of Music, 1 lesson.	History of Music, 1 lesson.
Advanced Harmony, 1 lesson.	Advanced Harmony, 1 lesson.

Musical groups leading to the degree are offered in voice, piano, pipe organ and violin. See the following pages for the details of each group.

THE DIPLOMA COURSE.

Students from the public schools are admitted to this course. Those who have graduated from an accredited high school may complete the course in two years by applying themselves closely to the work. All who have credits for the literary work in the course will be excused from taking those subjects here.

FIRST YEAR.

Fall Semester

English A, 4 hours.
History A, 4 hours.
Harmony I, 2 lessons.
Music, Grade Ia 2 lessons.

Spring Semester.

English B, 4 hours.
History B, 4 hours.
Harmony II, 2 lessons.
Music, Grade Ib, 2 lessons.

SECOND YEAR.

English C, 4 hours.
Harmony III, 2 lessons.
Music, Grade IIa, 2 lessons.
Theory I, 1 lesson.

English D, 4 hours.
Harmony IV, 2 lessons.
Music, Grade IIb, 2 lessons.
Theory II, 1 lesson.

THIRD YEAR.

German A, 5 hours.
Music, Grade IIIa, 2 lessons.
History of Music, 1 lesson.

German B, 5 hours.
Music, Grade IIIb, 2 lessons.
History of Music, 1 lesson.

Students in Music will take in the third year Musical Literature instead of Harmony.

Departments.

Musical groups leading to degree or diploma are offered in Piano, Pipe Organ, Voice and Violin. See the pages following for the details of each of these groups.

PIANO-FORTE.

The work of the department is divided into two divisions, the first being introductory, and the second advanced. Ordinarily a student by close application may expect to complete one of these divisions in three years, and the courses outlined above are based on that fact, but no assurance can be given other than that the student will be advanced as rapidly as his progress warrants. Some students may need more than three years for each of the divisions.

All students who wish to register as candidates for either the degree of Fine Arts in Music or for a musical diploma, will be required to complete the introductory work before undertaking the advanced work; and a satisfactory examination will be required before the student is allowed to pass into the advanced division.

A.—THE INTRODUCTORY PIANO GRADES.

A.—The First Year Grade. Selected studies from Gurliitt, Koehler, Czerny, and Loeschhorn; easy compositions by Schmidt, Kullak, Liehner, Behr, and others; daily technical work.

B.—The Second Year Grade. Selections from Lemoine, Op. 27; Koehler, Op. 56, bk. 2; Duvernoy, Op. 120; Burgmüller, Op. 100; Doeseharn, Op. 66; Herrer, Op. 47; Sonatinas, Clementi, Kuhlau, etc. Easy Sonatas by Haydn and Mozart. Compositions by Spindler, Schumann, Emery, Kullak, and others; daily technical work.

C.—The Third Year Grade. Selections from Heller, Op. 46; Loeschhorn, Op. 66; preludes by Bach. Krause's Trill Studies. Velocity Studies by Berens, or Loeschhorn, of Czerny. Sonatas by Haydn, Mozart, and Beethoven. Exercises, Scales and Arpeggios by Hannan. Compositions by Chopin, Mendelssohn, Schubert, Liebing, Foote, and others.

Students who have satisfactorily completed the introductory grades above outlined are entitled, if they desire it, to a certificate of proficiency.

B.—THE ADVANCED PIANO GRADES.

Note: The courses scheduled below constitute the piano group required of all candidates for the degree or diploma in music who select the piano as their work.

FIRST YEAR.

Ia.—First Half-year. Cramer Studies; Bach, Two and Three part inventions; Daily Technique, Czerny and Koehler; Compositions by Chopin, Mendelssohn, Paderewski, Foote, and others.

Ib.—Second Half-year. Czerny, Velocity Op. 740; Sonatas by Mozart and Beethoven; Daily Technique, Czerny or Koehler; Compositions by Schumann; Weber, McDowell, Scharwenka, and others.

SECOND YEAR.

IIa.—First Half-year. Clementi, "Grados ad Parnassum;" Bach, English Suites; Tausig's Daily Technique; Compositions by Chopin, Schubert, Raff, Moszkowski, and others.

IIf.—Second Half-year. Mayer, Op. 168; Sonatas, Beethoven, Schubert, Weber; Tausig's Daily Technique; Compositions by Mozart, Schumann, Grieg, Mason and others.

THIRD YEAR.

IIIa.—First Half-year. Moscheles, Op. 70; Bach, Well-tempered Clavichord; Tausig's Daily Technique; Compositions by Mendelssohn, Rubenstein, Doorak, Saint Saens, and others.

IIIb.—Second Half-year. Etudes by Henselt; Chopin, Op. 10 and 25; Sonatas by Beethoven, Schumann and Chopin; Compositions by Liszt, Wagner, Brahms, Weber, and others.

The final public examination, which must be passed by every candidate for a degree or diploma will consist of any ten selections from the standard works mentioned in the preceding list.

A musical study and interpretation class for students in the advanced grades meets every two weeks. The composers and their work are studied in detail. The class is free to students in the department, and attendance on the part of all candidates for the piano degree or diploma is required.

PIPE ORGAN.

The work of the Pipe Organ department will be put into thoroughly responsible hands, and will be as carefully organized, and as accurately taught as are the other musical subjects. The facilities at hand are among the very best in the state of Kansas. The courses will be outlined at an early date.

VOCAL.

The courses of the vocal department are divided into two divisions, preparatory and advanced. Every student who registers for the degree or the diploma in vocal music, will be required to pass an examination on the course included in the preparatory group.

The instruction of the department aims at voice development and the impartation of strength and purity to the tone. Pupils are prepared for church, oratorio and concert work, as well as for teaching. All lessons are given privately.

A.—THE PREPARATORY GRADES.

A₁—The First Year. Correct breath control; exercises and

Solfeggio; ear training; voice placing; elementary studies; ballads.

B.—The Second Year. Exercises and Solfeggio; breathing exercises; voice placing; ear training; Pianoforte; Concone; ballads.

C.—The Third Year. Exercises for flexibility and articulation; voice placing; Concone; Spiker's exercises for vocalization; songs by English and American composers.

Students who have satisfactorily completed the preparatory grades in Vocal Music are entitled to a certificate of proficiency if they wish it.

B.—THE ADVANCED GRADES.

Note: The courses scheduled below constitute the musical group required of all who select Vocal Music as their line of work.

THE FIRST YEAR.

Grade Ia.—First half. Exercises for flexibility; Marchesi or Concone; Italian studies by Vaccai; English and Italian songs.

Grade Ib.—Second half. The authors named in Grade Ia continued, with advanced work and exercises.

THE SECOND YEAR.

Grade IIa.—First half. Advanced studies; Concone, Marchesi, Borden; songs by foreign writers.

Grade IIb.—Second half. The work outlined in Grade IIa continued and completed. Increasing attention to technical accomplishment.

THE THIRD YEAR.

Grade IIIa.—First half. Exercises by Marchesi, Bonaldo, Lamperti; public performances, both in solo and choral work.

Grade IIb.—Second half. Spiker; Oratorio; Opera; Brava songs. Completion of work from previous half-year.

Candidates for the degree or diploma in vocal music will be required by way of final public examination to sing any one or more of the works above mentioned, or such others as may reasonably be prescribed by the musical faculty concerned.

CHORAL INSTRUCTION.

All pupils are urged to attend the chorus rehearsals for the benefit of the drill and for the opportunity of sight-reading and the

knowledge gained of the better grades of music. It is the custom for the members of the Conservatory Chorus to give in public during the winter season, at least one oratorio or cantata. No charge is made for membership in the chorus.

SIGHT SINGING.

There is organized every year a class in sight singing to give to those who desire it an opportunity to take up systematic study of the principles of music as applied to sight singing.

PUBLIC SCHOOL MUSIC.

In response to a continued demand throughout the country for Supervisors of Music in the public schools, the department has added a course of instruction in public school music. The best systems in use in the public schools of Chicago, New York and Boston are taught. This course extends through the school year and the tuition is the same as for voice lessons.

VIOLIN.

The instruction on the violin is divided in the same manner as the work in piano-forte, and everything that was noted in the introduction to the work of the piano department applies also to the work on the violin. Students enrolling in the work of this department are requested to read carefully the introduction referred to.

A. THE PREPARATORY GRADES IN VIOLIN.

This work must be done before the student can register as a candidate for either the degree or the diploma in music.

Violin Methods by Hohmann, Dancila, David, Ries, Schradieck. Studies by Wohlfahrt, Sitt, Kayser, Dont, Mazas, Scales in two octaves. Duos by Mazas, Pleyel, Dancila, etc. Solos by Dancila, de Beriot, Sitt, Schumann, Hauser, German, Raff, etc. suitable to grade. Ensemble work. Must have at least one year on the piano.

B. THE ADVANCED GRADES IN VIOLIN.

The courses grouped below constitute the musical group required of all candidates for the musical degree or diploma who select the violin as their work.

THE FIRST YEAR.

Grade Ia.—The First half-year. Kreutzer. Scales and ar-

peggios in three octaves. Concertos by Acolay, Viotti, Rode, and de Beriot.

Grade Ib.—The Second half-year. Kreutzer. Scales and arpeggios in three octaves. Double stops. Legende by Wieniawski; Romances, Beethoven; Russian Airs, David; Elegie, Ernst; Andante, and Scherzo by David.

THE SECOND YEAR.

Grade IIa.—The First half-year. Fiorillo. Dancila's school of mechanism. Sonatas, Handel A major, Tartini G minor. Concertos, Bazzini, Godard, Spohr, etc.

Grade IIb.—The Second half-year. Rode, Moto perpetuo, Paganini. Romance by Bruch; Fantaisie Militaire, Leonard; Fantaisies and Polonaise, Vieuxtemps, Faust Fantaisie by Sarasate. Must be able to play well at sight.

THE THIRD YEAR.

Grade IIIa.—The First half-year. Rode; Dont (Grados ad Parnassum). Sonatas by Bach and Nardini. Concertos by Mendelssohn, Bruch, Wieniawski.

Grade IIIb.—The Second half-year. Gaviner. Concertos by Vieuxtemps, Molique, Spohr. Compositions by Saint Saens, Beethoven, Saurat, Brahms, Sarasate, etc. Interpretation and musical literature.

MANDOLIN AND GUITAR.

Instruction in mandolin and guitar will be given as it may be required, but no set course has been arranged, nor will the work as taken be counted either toward a degree or a diploma.

THE COLLEGE ORCHESTRA.

The college orchestra furnishes valuable opportunities for study, practice, and ensemble playing to students who are working on string and reed instruments. Instruction in the orchestra is free, although students who join the organization will be expected to attend all rehearsals, practices, and chapel services, at which the orchestra regularly appears.

THEORY, HISTORY AND LITERATURE.

The scientific principles involved, and the mechanism employed in the production of music are of such importance that

the study of the subjects grouped under this head will commend themselves at once to the earnest student of music.

THEORY OF MUSIC.

I.—Introductory Theory. The mechanism and vocabulary of musical representation; time, rhythm, scales, notes, keys. Second advanced year, Fall Semester, twice weekly.

II.—Advanced Theory. Acoustics, the laws of tone production, tone color, instrumentation. Second advanced year, Spring Semester, twice weekly.

Both courses are required of candidates for the musical diploma and degree.

THE HISTORY OF MUSIC.

I. a and b.—The History of Music from 1600 B. C. to the present time. Biographies, instrument study, essays. Third advanced year, throughout the year, twice weekly. Both a and b are required of all musical graduates.

MUSICAL LITERATURE.

I. a and b.—The Literature of Music. Biographies, essays, current criticisms, the discussion of present day musical events and publications. Library work. Third advanced year, throughout the year, once weekly, required of all vocal musical graduates, in place of advanced harmony.

HARMONY AND COUNTERPOINT.

The courses of this department are intended entirely for the advanced grades. The work will be characterized by thoroughness and care, and no student will be allowed to graduate until a minimum prescribed amount of this work has been done.

I.—Elementary Harmony. Harmony up to and including the Secondary 7th chords. First advanced year, Fall Semester, twice weekly.

II.—Elementary Harmony Continued. Harmony to and including suspensions. First advanced year, Spring Semester, twice weekly.

III.—Harmonizing Melodic Subject in Soprano. Analyzing; harmony, including figured chorale. Second advanced year, Fall Semester, twice weekly.

IV.—Harmonizing Melodies. Different parts; analyzing; single counterpoint. Second advanced year, Spring Semester, twice weekly.

V.—Advanced Harmony. Counterpoint and musical form. Analysis of form from the great masters. Third advanced year, Fall Semester, once weekly.

VI.—Advanced Harmony Continued. Regular rhythm, irregular rhythm, the various forms of musical composition studied in detail and by examples. Third advanced year, Spring Semester, once weekly.

Courses I to IV in Harmony are required of all candidates for the musical diploma or degree. Courses V and VI in Harmony are required of candidates for the musical degree or diploma in the piano department.

The School of Art.

The courses of this department are arranged as follows:

I.—FREE-HAND DRAWING.

FIRST YEAR.

Drawing in charcoal from still life and cast. It aims to teach the student to construct form in a simple manner with accuracy and fidelity to detail with attention given to light and shade. It emphasizes the principles of elementary perspective.

SECOND YEAR.

Drawing in charcoal and crayon from cast, nature and life. A study of the composition of pictures.

THIRD YEAR.

Drawing in charcoal, pen and ink and brush from still life and nature. Cast drawing continued from the full length figure. Drawing from life.

II.—PAINTING.

Students with a sufficient knowledge of drawing may take up the study of water color, oil and pastel. This work is done from fruits, flowers, landscape, life and copy.

Thorough study is given to composition, color values, light and shade.

Attention is given to practical and applied design.

Teachers' Course in Art. The aim of this course is to develop the powers of observation and accuracy. Also it is intended to prepare teachers to give art instruction in the public schools. The work includes Free-hand drawing in charcoal and pencil from still life, casts and living models, free-hand perspective and water color rendering.

All those who are expecting to teach in the public or high schools are advised to take this course.

An art reception will be given on Tuesday afternoon of commencement week at which time the work done in this department during the year will be on exhibition.

The School of Expression.

The purpose of this school is to be thoroughly educational and to develop strong natural readers and thinkers. The method of teaching is based upon psychological principles and will assist the student in the interpretation of literature, the development and control of the emotional nature and the cultivation of the imagination.

The Diploma in Elocution is granted to those who present fifteen preparatory units of work as described in the early part of this catalog and complete the following course.

The usual time for completing this course is two years. The work is all private. Each student is studied and such work given him as will bring out his powers with best effect.

BODILY EXPRESSION, GESTURE.

Course I.—Training for Physical Response. Exercises for stimulating nerve centers. Study of the different agents of bodily expression. Function of each.

Course II.—Harmony of Action. Exercises for overcoming mannerisms. Exercises for the development of descriptive action. Study and analysis of bodily expression in others.

VOICE WORK.

Much time is devoted to the cultivation of the voice. It is the aim to bring out its strength and beauty, to improve good voices and make poor voices good.

Course I.—Tone Production. The Shakspearean method of breathing is used.

Course II.—Cultivation of Resonance. Tone color. Ear training. Response of voice to emotion. Slides. Increase of range.

Course III.—Formation. Study of English sounds. Accuracy of utterance.

VOCAL LANGUAGE.

Course I.—Vocal statement contrasted with vocal language. Extensive practice in the use of tone color.

Course II.—Phrasing. Grouping of phrases and clauses. Mental action in phrase grouping and its vocal expression. Function of tone color.

DEVELOPMENT OF EXPRESSION.

Course I.—Fundamental principles of expression. Cultivation of the imagination. Picturing.

Course II.—Freedom of Expression. Language of emotion. Studies for directness.

Course III.—Unity of expression. Relation of reader to audience. Development of momentum.

Course IV.—Suggestiveness. Subtlety. Studies in fulfillment of author's purpose.

[Text: Four volumes of Psychological Development of Expression by Mary A. Blood and Ida Morey Riley, founders of the Columbia School of Oratory, Chicago.]

LITERARY INTERPRETATION.

Course I.—Study and practice on rendition of different forms of literature including the short story, monologue, poetry and dramatic composition.

Course II.—The course includes a study of a limited number of poems of Tennyson, Kipling and Browning.

DRAMATIC ART.

Course I.—Life Study. Study of characters from life. Physical representation of same.

Course II.—Personation. Study of characters from fiction. Dramatic scenes. Stage deportment.

Course III.—Analysis of selected plays from Shakespere for dramatic elements and character delineation.

ORATORY.

It is the aim of this department to help its speakers to be simple and natural and when occasion requires, powerful.

After the student has had general preparation he is required to study as many of the great orations as the time will permit.

All pupils with a High School education or its equivalent, who have taken the two years' course of two private and one class lesson each week will be given a diploma.

PHYSICAL EDUCATION.

Out health. No labor, pains nor exercise that can gain it must be grudged.—R. W. EMERSON.

Is not that the best education which gives to the mind and to the body all the force, all the beauty and all the perfection of which they are capable?—PLATO.

The first aim of the department is to give to students such exercises and games as will create and maintain a vigorous physical health. It is also the work of the department to enable the presence, improve the bearing and produce grace, ease and lightness of movement.

Two hours per week throughout the year are required of all young women students.

FIRST YEAR.

General Introductory Course. Physical development and freedom. Special exercises aimed at complete plasticity of the body, and the establishment of health. Relaxation. Control. Emerson Exercises, Swedish Exercises, Light apparatus work, Gymnastic games.

SECOND YEAR.

Advanced work in Emerson Exercises. Rhythmic movements. Five positions for the feet. Six radical motions. Arm movements. Fancy steps and marches. Wands, dumb bells and clubs. Gymnastic games.

THIRD YEAR.

Advanced work in Gymnastics. Advanced Rhythmic work with special exercises.

Each young woman is asked to provide herself with a gymnasium suit.

Tennis courts are at the disposal of the students during the fall and spring.

There are class basket ball teams and from these class teams are chosen the first and substitute teams.

Business College.

INTRODUCTORY.

The Business College is the answer of Ottawa University to a widespread demand for a group of courses which shall rapidly and effectively prepare young men and women of limited means and time, for a business career. The courses of the school are planned with the greatest care, and the instruction provided is of the highest grade. The University proposes to maintain increasingly in this school the same high standard of scholarship which it maintains in its other schools.

ENTRANCE REQUIREMENTS.

Students entering the Business College will be expected to have covered well the work of the common schools, and give assurance of good character and conduct. No student will be received whose conduct or class-room work is not thoroughly satisfactory, and no student will be received from the other schools of this or other Universities, who cannot show satisfactory clearance papers from the school last attended, if so requested.

PRIVILEGES.

All students of the Business College are entitled without extra charge to the advantages of the University library and reading room, to participation in its athletic activities (subject to the rules on page 24), to membership in the literary, religious, and musical organizations, and to the use of the gymnasium. They may also, without extra charge, elect work in the Academy, thus enriching the courses, except that not more than twenty-five hours of weekly recitations may be taken in any one semester.

THE COURSES.

Graduates of the school will be awarded a diploma, and will be granted within the limits of their accomplishments, all the advantages of the bureau of recommendations. For some time the demand for high-class stenographers, and book-keepers has exceeded the supply, and the authorities of the school will undertake to recommend every graduate who has shown himself able to do his work with credit, to a position. Students desiring the very highest positions, must expect to add to the work of the Commercial courses a liberal training in English, History and Mathematics, such as may be elected in the Academy. Students of ability and promise are urged to combine their commercial work with elective work from

the Academy, and to spend two years in preparing. Special credit and recommendation will be given for work so done.

The courses of the Business College are three in number, and the length of time required to complete any one of them may be expected to be one semester of nineteen weeks. Some students require more time, but no student will be held back because of others. All students are urged for the sake of better preparation, to combine their course with electives from the Academy as above suggested. Students may enter at any time, and will receive their certificates of proficiency when the course selected has been completed. For the benefit of students who desire to carry on summer work, a summer term of ten weeks beginning on the Tuesday preceding Commencement day is conducted. The three courses are the Stenographic, the Commercial, and the Telegraphic. They are described in detail below.

TUITION AND FEES.

The tuition required of students in the Business College is twenty-two dollars per semester, payable in advance. Students entering after the opening of the semester may pay at the rate of \$1.50 per week for the remainder of the semester if desired or for such time as they may wish to remain, but the entire fee is due in advance, and may be extended only as a personal concession.

Students intending to enter any athletic or other public contest held under the auspices of the University by any of its student organizations are requested to consult the athletic rule on page 24 of this catalog. Such students will pay in advance the full tuition of the semester in which they enter, or if they enter late they will pay in advance for the rest of the current semester at the rate of \$1.50 per unexpired week.

The cost of tuition for the Summer Term is ten dollars. A fee of \$4.00 per semester is collected as typewriter rental of all students who take work in typewriting. The school furnishes all machines and undertakes their care. The typewriter fee for the Summer Term of ten weeks is two dollars.

THE GROUPS OF COURSES.

Fall Semester	Spring Semester.	Summer Term
I.—The Regular Commercial Course.		
Bookkeeping.	Bookkeeping.	Bookkeeping.
Commercial Law.	Commercial Law.	Commercial Law.
Penmanship.	Penmanship.	Penmanship.
Spelling.	Spelling.	Spelling.
Commercial Arith.	Commercial Arith.	Commercial Arith.
Business Grammar.	Business Grammar.	Business Grammar.

II.—The Regular Stenographic Course.

Shorthand.	Shorthand.	Shorthand.
Typewriting.	Typewriting.	Typewriting.
Penmanship.	Penmanship.	Penmanship.
Spelling.	Spelling.	Spelling.
Bookkeeping.	Bookkeeping.	Bookkeeping.
Business Grammar.	Business Grammar.	Business Grammar.

III.—The Regular Telegraphic Course.

Telegraphy.	Telegraphy.	Telegraphy.
Typewriting.	Typewriting.	Typewriting.
Penmanship.	Penmanship.	Penmanship.
Spelling.	Spelling.	Spelling.
Commercial Arith.	Commercial Arith.	Commercial Arith.
Bookkeeping.	Bookkeeping.	Bookkeeping.

It is suggested that wherever possible the following arrangement of courses be made and that the work be extended to the completion of the combined course and in such event a special Master Accounts diploma will be granted to the student completing the combined course.

IV.—The Combined Course.

Leading to the degree of Master of Accounts.

Fall Semester.	Spring Semester.
First Year.	First Year.
Elementary Composition.	Elementary Rhetoric.
Algebra A.	Algebra B.
History A.	History B.
Penmanship.	Commercial Law.
Spelling.	Commercial Arithmetic.
Bookkeeping I.	Bookkeeping II.
Second Year.	Second Year.
Shorthand I.	Shorthand II.
Typewriting I.	Typewriting II.
Penmanship.	Telegraphy.
Spelling.	History D.
German A.	German B.
English Literature.	American Literature.

A DESCRIPTION OF THE COURSES IN DETAIL.**A. The Commercial Course.**

The courses included under this title are planned to impart

to the student a knowledge of the science of accounts, to drill him carefully in the preparation of business papers, to impart a thorough drill in business arithmetic, and to give such experience in actual business transactions as will best qualify him for a practical business life. The course in commercial law is included because it is invaluable in business life. Particular attention is given to the principles which are most essential to business men.

I. Bookkeeping.—Musselman's Complete Theory of Accounts; Single Entry; Complete Account Book; Journalizing; Closing the Ledger with Balance Sheets; Partner Admitted; Columnar Journal; Wholesale; Manufacturing; Real Estate; Corporations; Commission; Banking; Lumbering.

II. Actual Business.—Capital in College Currency furnished by the Principal; Manuscript; Merchant's Emporium and Post-office; Railroad and Shipping Office; Stock Exchange; Real Estate and Insurance; Wholesale House; Commission House; Banking.

III. Commercial Law.—McKenna; Analysis of Contracts, with written forms; Negotiable Paper; Currency; Partnership; Corporation; Guaranty; Sale of Chattels; Stoppage in Transit; Payment and Tender; Liens; Interest and Usury; Affreightment; Bailment; Insurance; Arbitration; Distribution of Estates of Deceased Persons; Real Estate Conveyances.

IV. Business Arithmetic.—McKenna's Short Forms in Addition; Multiplication; Division; Denominate Numbers; Percentage; Interest; Discount; Equation of Payments; Alligation; Exchange; Partnership; Commission; Annuities; Taxes; Stocks; Building and Loan Associations.

V. Penmanship.—Palmer's Guide to Business Writing; Classification and Analysis of Letters and Figures, and their combination into exercises; Movement Exercises continued; Business Letter Writing; Folding Papers and Addressing Envelopes; Rapid Business Writing.

B.—The Stenographic Course.

The very rapid increase in the demand for expert stenographers and typewriter operators has been indeed remarkable. The course outlined proposes to enable the student to undertake ordinary work as reporter or secretary. For the latter positions the student is advised by all means to secure the highest educational advantages within reach in addition to the course here outlined.

The systems of shorthand used are the Gregg and the Graham,

and students are required before graduation to accomplish a speed of one hundred and twenty-five words per minute. The time required to accomplish this depends on the ability and diligence of the student.

The Smith-Premier and the Remington typewriters are in use. The student will be expected to write at an average speed of not less than forty words per minute before graduation. Students may advance as rapidly as they wish, and will not be required to wait for slow or dilatory pupils.

Especial attention is given to teaching the principles of business correspondence, manifolding, abstracting, court and newspaper reporting, etc., so that the student who completes the course need not fear to undertake any of the many positions that are open for the stenographer.

I. Corresponding Style.—Gregg's Manual, or Graham's Handbook. Phonetics, Principles, and Word-building; Exercises; Reading First and Second Phonographic Readers, and U. C. S. Series.

II. Reporting Style.—Principles of Abbreviation; Phrasing. Logograms; Exercises; Reading "The Greatest Thing in the World," and other selections in Reporting Style.

III. Typewriting.—Special attention is given to the "Touch System" of Typewriting; Mechanism and Machines; Principles; Fingering; correcting Errors; Copying; Manifolding. Students are expected to operate either the Smith Premier or the Remington machine with speed and accuracy before graduation.

C.—The Telegraphic Course.

The training given in this course, in the initiatory, intermediate and finishing departments, is systematic, and complete, embracing everything essential to a practical knowledge of telegraphy and station agent's work. The following is an outline of the course:

Battery, its care and management; relation of circuits and instruments; line of main circuit; putting up lines, adjustment of instruments; standard train orders; train signals; classification of trains, train dispatches; rules governing the movement of trains by telegraph orders; classifying; billing; and proper reporting of freight.

No person will be graduated from this course till he can receive thirty words per minute accurately, spell well, write a legible, rapid hand and pass a satisfactory examination in the

other branches required in the course. One Semester is the length of time given to complete all branches mentioned in this course.

The branches not described in detail here may be found described in connection with the two courses above.

Section V.—The Catalog of Students.

This catalog is issued in April of each year. It contains the names of students who have been in actual residence at the University during the school year of 1906-7. It will be noted that those of our graduates who are doing postgraduate work elsewhere are not included in this list of students.

Note.—The usual abbreviations are used in this roll—"Cl" standing for Classical Course, "Ph" for Philosophical Course, "Sc" for Scientific Course.

The College

POST-GRADUATE STUDENTS.

Bureau, Ernest Adolph, Ph. B. Ashland, Wis.

SENIOR CLASS OF 1907.

Bird, Ina Grace, Sc.	Ottawa
Brown, Lulu Marie, Cl.	Ottawa
Constant, Nita Belle, Cl.	Ottawa
Grass, Dora Ellen, Sc.	LaCrosse
Holt, Geo. Herbert, Cl.	Stillwater, Okla.
Lawrence, Eldred Brown, Ph.	Ottawa
Maupin, Hattie Belle, Cl.	Ottawa
McCoy, Anna Genevieve, Sc.	Ottawa
McCune, Frank Elton, Cl.	Ottawa
Mitchell, Cynthia Veda, Ph.	Eureka
Parish, Augusta Crete, Ph.	Ottawa
Shinn, Laura Tabitha, Ph.	Ottawa
Southwick, Rodney Erie, Ph.	Wichita
Speaks, Edgarda Lee, Cl.	Scotts Bluff, Neb.
Sutherland, Anna Grace, Ph.	Ottawa
VanCleve, Hattie Priscilla, Ph.	Ottawa

JUNIOR CLASS OF 1908.

Barker, Joe Lowery, Cl.	Altamont
Beatty, Jos. Harold, Sc.	Ottawa
Daily, Pearl Crozier, Ph.	Ottawa
Ellis, Phoebe Merchant, Ph.	Ottawa
Fear, Ada Mabel, Ph.	Waverly
Floyd, Louis, Cl.	Sedan
Frank, Bessie, Ph.	Fairview
Frothing, Margaret Elizabeth, Ph.	Frederic
Hardy, Cleo Clinton, Cl.	Ottawa
Hart, Lois May, Cl.	Ottawa
Hutchinson, Eva Jeanne, Ph.	Ottawa
Lebow, Charles Frank, Cl.	Ottawa
Lynch, Olive Edna, Cl.	Ottawa
McDonald, Wm. H., Sc.	McLouth
McNutt, Wm. Roy, Cl.	Blue Mound
Osgood, Mary Ellen, Ph.	Sterling, Neb.
Pugh, Earl Cadwell, Cl.	Ottawa
Simpson, Ruth, Cl.	Emporia
Slater, Gertrude D., Ph.	Ottawa
Thomas, Mattie Julia, Cl.	Ottawa

Turner, Minnie E., Cl.	Colby
Williams, Henry Mills, Se.	Ottawa
Williams, Paul, Cl.	Ottawa

SOPHOMORE CLASS OF 1909.

Bell, Alice Kingsley, Cl.	Ottawa
Cook, Estelle Marsh, Ph.	Ottawa
Cowan, Nina May, Cl.	Ottawa
Dale, Henry Clay, Cl.	Galena
Ebaugh, Pearl May, Cl.	McPherson
Ferris, Leslie A., Ph.	Yates Center
Froning, Henry August, Ph.	Frederic
Grimming, Emma Jessie, Se.	Newton
Heritage, Ray, Cl.	Gridley
Jones, J. Wilbur, Cl.	Louisburg
Kimman, Nellie Florence, Ph.	Clay Center
Lawrence, Emilie Gertrude, Cl.	Ottawa
Martin, Albert Henry, Cl.	Galena
Miel, Vinton Herman, Se.	Ottawa
Parish, Harry Bernard, Pre-Eng.	Ottawa
Ringer, Vera, Se.	Ottawa
Rishel, Hubert Middlekauff, Se.	Oklahoma City, Okla.
Rock, Jennie, Cl.	Ottawa
Shoemaker, Edna Rose, Se.	Topeka
Stallard, Simeon Harvey, Ph.	Onaga
Stallard, Mary Hannah, Cl.	Onaga
Stephenson, Edith Corinne, Cl.	Olathe
Stewart, Glennville Edward, Pre-Eng.	Ottawa
Sunderlin, Myrtle Viola, Cl.	Ottawa
Weedman, Walter Franklin, Cl.	Ottawa
Wilson, John Alexander, Se.	Ottawa
Wyne, Robert John, Cl.	Long Island

FRESHMAN CLASS OF 1910.

Abbott, Alice M., Cl.	Wellington
Balyeat, Orah May, Ph.	Ottawa
Barker, Blanche Lucille, Cl.	Ottawa
Brown, Glenn O., Pre-Eng.	Newton
Burk, Leone, Ph.	Kansas City
Carpenter, Carlos Clay, Pre-Eng.	Ottawa
Cole, David, Cl.	Girard
Crain, Clara Lola, Cl.	Ottawa
Dietrich, Elsie Mabel, Cl.	Ottawa
Filson, Eva, Ph.	Ottawa

Filson, Sue Alletta, Ph.	Ottawa
Geiger, Addie, Se.	Ottawa
Hallgren, Arthur, Se.	Ottawa
Haynes, Lily Maude, Ph.	Ottawa
Heath, Bernice May, Se.	Ottawa
Hughes, Bradley B., Se.	Howard
Hume, Marion C., Se.	Clearwater
Hutchins, Agnasia Traver, Pre-Eng.	Ottawa
Krouse, Ada May, Se.	Onaga
Lee, Hugh, Se.	Louisburg
McCandless, Mabel, Ph.	Ottawa
Monroe, Merton Glenn, Pre-Eng.	Fairview
Montague, Altha, Ph.	Hiawatha
Moore, Merle Melville, Se.	Ottawa
Nash, Robert E., Se.	Ottawa
Osgood, Margaret Krum, Cl.	Sterling, Neb.
Patrick, Leslie Raymond, Se.	Agriola
Patten, Fern Lillian, Cl.	Richmond
Price, Clair Sandon, Cl.	Ottawa
Price, Frank Judson, Cl.	Atwood
Rokes, James LeRoy, Ph.	Onaga
Shank, Ernest Fred, Cl.	Washington
Shields, J. W., Ph.	Holton
Siffert, Lillian Henkle, Ph.	Ottawa
Simonsen, Emma Helen, Cl.	Lebanon, Neb.
Stewart, Jessie Prudence, Ph.	Ottawa
Wallace, Anna Mary, Ph.	Hamilton, Ill.
Wallace, M. Edna, Se.	Stafford
Woods, Cora Edna, Cl.	Ottawa

COLLEGE ELECTIVES.

Bird, Ross	Ottawa
Boehmman, Arnold Cecil	Clay Center
Cassidy, Loretta Eleanor	Wichita
Castholm, Milo	Harper
Chaney, Agnes Amanda	Newell, Ia.
Eley, Blanche Isabelle	Oketo
Filson, Mollie M.	Ottawa
Haggart, Mrs. Jennie	Ottawa
King, May Emma	Ottawa
Masters, Ira Harwood	Newton
Mitcham, Martin Millard	Ottawa
Price, Julia Inez	Atwood
Scriven, Cecil Verna	Lucas
Shaw, Robert Whiteman	Ottawa

Shomber, Cecilia	Ottawa
Shouffer, Edward Everett	Jewell City
Stallard, Glea	Onaga
Torrence, Bina B.	Lucas
Turner, Nellie Gertrude	Colby
Ward, Agnes Gertrude	Ottawa
Whiteman, Percy Lee	Sedgwick
Wilson, Delia Grace	Mound Valley
Woodburn, Frank Snyder	Ottawa
Yager, Mae H.	Ottawa

The Academy

SENIOR CLASS OF 1907.

Anthony, Lynne, Ph.	Wellsville
Bolinger, John W. Ph.	Bogue
Bolinger, Hugh J. Sc.	Bogue
Chappell, Wm. Madison, Sc.	Ottawa
Coom, Mary Lydia, Ph.	Ottawa
George, Harry Vergil, Sc.	Ottawa
Hammond, Herbert J., Ph.	Clayton, N. Mex.
Haynes, Eugene Leslie, Sc.	Ottawa
Jennings, Isaac Franklin, Cl.	Bronson
Keene, Olive Amy, Ph.	Ottawa
Lovett, John Lamb, Cl.	Wellsville
Oleson, Bertha E., Sc.	Fairview
Oleson, Geo. B. Sc.	Fairview
Staley, Vern Edwin, Cl.	Ottawa
Veeh, Martha Elizabeth, Sc.	Phillipsburg
Weedman, Bessie Almeda, Cl.	Ottawa
Wolf, Max Abbott, Sc.	Ottawa
Wood, Wm. Hiram Dusten, Sc.	Ottawa

MIDDLE ACADEMIC CLASS OF 1908.

Bower, Ross Wm.	Ottawa
Bushnell, Jennie	Pomona
Christie, Viola	Cedarvale
Daniel, Grace M.	Ottawa
Dudgson, Floyd Richard	Earleton
Enes, Matilda Merle	Jaqua
Frink, Spencer	Fairview
Garnett, Mary Kathryn	Latham
Johnson, Irene	Ottawa

Kimbell, Lola Inez	Ottawa
Martin, Elmer H.	Blue Mound
Martin, Chas. Henry	Princeton
Monroe, Ethel Irene	Fairview
Parker, Angie Gilbert	Ottawa
Parker, Ernest Robt.	Ottawa
Pottorf, Daniel	Paris, Ark.
Price, Hattie May	Ottawa
Riggs, Joseph A.	Texico, Ill.
Thayer, Flora Alice	Ottawa
Whitson, Cordelia Clare	Mound City

JUNIOR ACADEMIC CLASS OF 1909.

Anderson, Bertha Annette	Ottawa
Anthony, Lena Belle	Wellsville
Baker, Benj. Ray	Overbrook
Ballard, Wm. Herschel	Englewood
Black, Irma Eva	Elgin
Bush, Mary Belle	Marvin
Donahue, Don Carlos	Lafontaine
Elder, Jesse Edwin	Pomona
Elliott, Mande	Princeton
Ferris, Gordon Floyd	Yates Center
Hagstrom, Arthur Oscar	Vilas
Hagstrom, Anna	Vilas
Harper, Cecil Vivian	Brownell
Harper, Troy Emerson	Brownell
Heckenlively, Orville Otis	Dighton
Holroyd, Oscar Stephen	Hewins
Holroyd, Wm. Frederick	Cedarvale
Hoy, Ora Maude	Long Island
Johnson, Perry Cedric	Ottawa
Jones, Chas. Elmer	Chanute
Kroesch, Albert	Lorraine
Logan, Effie May	Hoisington
Meeker, Wm. Bentley	Meeker, Okla.
Parker, Iva Lena	Paola
Render, John	Scott City
Rush, Chas. Hiram	Cedarvale
Seaville, Nellie Minnie	Pomona
Skenberg, Robt. Carl	Osage City
Sloan, Allen Abel	Stillwell
Tedrow, Minnie Elsie	Ottawa
Warrington, Alvin Thos.	Ottawa

Wightman, Alma	Ottawa
Wilkinson, Earl	Asherville

ACADEMIC ELECTIVES

Allen, Ralph Merriman	Jackson, Mich.
Bell, Maude	Ottawa
Elliott, Chas. L.	Princeton
Green, Beulah Warren	Homewood
Hess, Cressy Jane	Sedan
Heritage, Ruth	Gridley
Keetch, Grant James Edward	Drexel, Mo.
Morrison, Mabel Elizabeth	Phillipsburg
Nelson, Oscar Emanuel	Ottawa
Nelson, Wm. Gustaf	Ottawa
Parker, Pearl	Paola
Shultz, Edith Adeline	Ottawa
South, Glenn Weaver	Hamilton
Stang, Emma Marie	Bison
Stanard, Etta Alice	Ottawa
Stratton, Marion	Ottawa
Tate, Ruth	Arkansas City
Weedman, Victor Eugene	Ottawa

The Normal School

CANDIDATES FOR THE TEACHER'S DIPLOMA, AND FOR
THE STATE TEACHER'S CERTIFICATE.

Bird, Grace	Mitchell, Cynthia
Brown, Lula	Parrish, Augusta
Constant, Nita	Speaks, Edgarda
Lawrence, Eldred	Sutherland, Grace
McCoy, Anna	VanCleve, Hattie
Maupin, Hattie	

The School of Fine Arts

PIANO.

Alexander, Pearl	Ottawa
Anderson, Bertha	Ottawa
Angell, Mrs. E. M.	Ottawa
Balyeat, Slater	Ottawa

Balyeat, Ione	Ottawa
Barnes, Madeline	Ottawa
Base, Ruth	Ottawa
Baughman, I. W.	Ottawa
Beach, Clara	Melvern
Bird, Charity	Ottawa
Black, Erma	Elgin
Blaine, Lena Mary	Ottawa
Broderson, Clara	Ottawa
Brown, Viola May	Latham
Brown, Orville Ray	Latham
Buckley, Clyde	Ottawa
Carpenter, Fanny	Ottawa
Chaney, Agnes	Newell, Ia.
Clark, Merle	Ottawa
Clark, Florence	Ottawa
Clark, Zoe	Ottawa
Claypool, Phyllis	Ottawa
Confare, Lennie	Ottawa
Cook, Katherine	Ottawa
Cowan, Hazel	Ottawa
Curl, Faith Mildred	Ottawa
Daily, Pearl C.	Ottawa
Daniel, Grace	Ottawa
Davenport, Eleanor	Ottawa
Davis, Mrs. Josephine	Ottawa
Dills, Kenneth	Ottawa
Drake, Dorris M.	Ottawa
Dunlap, Gertrude	Ottawa
Dunsmore, Mrs.	Ottawa
Elder, Dee	Ottawa
Ellis, Phoebe M.	Ottawa
Ellis, Clara L.	Iola
Esterly, Louise	Ottawa
Ferguson, Robert H.	LeLoup
Filson, Mollie M.	Ottawa
Gladman, Josephine	Ottawa
Gossett, Mrs. E. B.	Ottawa
Griffith, Callie A.	Ottawa
Groisman, Lillian	Ottawa
Hardeson, Helen	Ottawa
Harris, Gertrude	Ottawa
Haynes, Lillian	Ottawa
Howard, May	Ottawa
Hoy, Ora Mande	Long Island
Hubbard, Ethel	Ottawa

Hughes, Linnie M.	Ottawa
Hutchinson, Eva J.	Ottawa
Jenks, Gertrude	Howard
Jewell, Mrs. Edith	Princeton
Johnson, Irene	Ottawa
Kessing, Margaret	Ottawa
King, May	Ottawa
King, Harry	Ottawa
Kittle, Helen	Ottawa
Lamb, Mrs. C. F.	Ottawa
Lamb, Ralph F.	Ottawa
Leeper, Florence	Ottawa
Lindquist, Mary	Ottawa
McAdow, Ida B.	Ottawa
McGuire, Zada	Ottawa
Maddox, Priscilla	Ottawa
Moise, Roena	Ottawa
Morgan, Miriam	Ottawa
Morgan, Alva	Ottawa
Morrison, Mabel	Phillipsburg
Nadler, Carrie	Lallsville
Parker, Pearl	Paola
Peckenpaugh, Pearl	Ottawa
Peckenpaugh, Everett	Ottawa
Porter, Mrs. Cary	Ottawa
Porter, Charles K.	Ottawa
Price, Julia I.	Atwood
Reek, Jennie	Ottawa
Salen, Gorgia	Ottawa
Saunders, Gordon	Ottawa
Shaffer, Jessie P.	Ottawa
Shaw, Leof M.	Williamsburg
Shiras, Katherine	Ottawa
Shoekey, Bertha	Ottawa
Shomber, Cecilia	Ottawa
Siemantel, Margaret	Ottawa
Smith, Perie	Ottawa
Spencer, Winifred	Ottawa
Spencer, Gladys	Ottawa
Springston, Avis	Ottawa
Stang, Emma	Bison
Stannard, Pearl	Ottawa
Stephenson, Nellie	Westphalia
Strickley, Frankie Helen	Ottawa
Stucker, Mertis	Ottawa
Torrence, Bina B.	Lucas

Turner, Nellie	Colby
Underwood, Mrs. Laura	Ottawa
Wallace, Madge	Ottawa
Warrington, Clara	Ottawa
Wetstone, Marian G.	Pemona
Wood, Roberta	Ottawa
Wyble, Bessie	Ottawa
Yates, Anna	Ottawa
Young, Laura	Ottawa

VOICE.

Abies, Katherine	Ottawa
Beach, Clara A.	Melvern
Bird, Grace	Ottawa
Bird, Charity	Ottawa
Bower, Bess	Ottawa
Branson, Helen C.	Ottawa
Brown, Viola	Latham
Caldwell, Mamie	Homewood
Ferguson, Robt. H.	LeLoup
Gilliland, Wayne	Ottawa
Howell, Amy B.	Ottawa
Hughes, Bradley L.	Howard
Jenness, Mrs. J. F.	Ottawa
King, May	Ottawa
King, Harry	Ottawa
Lawrence, Emilie	Ottawa
Lawrence, Ruth	Ottawa
Martin, Faith C.	Ottawa
Martin, A. H.	Galena
Montague, Altha E.	Hiawatha
Okerberg, Martha	Ottawa
Osborne, R. L.	Ottawa
Porter, C. M.	Ottawa
Shinde, Grace	Ottawa
Shockey, Bertha E.	Ottawa
Spencer, Winifred	Ottawa
Stang, Emma M.	Bison
Whiteman, Percy L.	Sedgwick
White, Bessie B.	Ottawa

HARMONY—THEORY—MUSICAL HISTORY.

Brown, Viola	Latham
Confare, Lennie	Ottawa

Chaney, Agnes	.....	Newell, Ia.
Ellis, Clara	.....	Jola
Filson, Mollie M.	.....	Ottawa
Haynes, Lillian	.....	Ottawa
Hutchinson, Eva J.	.....	Ottawa
Jenks, Gertrude M.	.....	Howard
Prie, Julia L.	.....	Atwood
Stephenson, Nellie	.....	Westphalia
Shomber, Cecilia	.....	Ottawa
Torrence, Bina B.	.....	Lucas
Wilson, Della	.....	Mound Valley

VIOLIN.

Brown, Ray	.....	Latham
Nash, Robert	.....	Ottawa
Pearce, Morris	.....	Ottawa
Tate, Ruth	.....	Arkansas City
Vosh, Martha	.....	Phillipsburg
Wallace, Anna	.....	Hamilton, Ill.

DEPARTMENT OF ART.

Beatty, May	Maupin, Hattie
Bird, Grace	Mitchell, Cynthia
Bird, Charity	Monroe, Morton
Brown, Glenn	Morrison, Mabel
Coom, Mary	Nelson, Oscar
Crawford, Mabel	Nelson, William
Froning, Margaret	Parrish, Augusta
Hardy, Cleo	Ringer, Vera
Holt, Geo.	Shoemaker, Edna
Hubbard, Ethel	Stewart, Glenn
McHenry, Ethel	Stratton, Marion
	VanCleve, Hattie

MECHANICAL DRAWING.

Brown, Glenn	Carpenter, C. C.
Monroe, Morton	Parrish, Bernard
Nelson, Oscar	Hutchins, E. A.
Nelson, William	Stewart, Glenn
	Stallard, Harvey

DEPARTMENT OF EXPRESSION.

Bird, Charity	Hutchins, Miss
Bird, Ross	Lawrence, Eldred

Bushnell, Jennie	McNati, W. R.
Chaney, Agnes	Morrison, Mabel
Cook, Marsh	Ozenberger, George
Floyd, Louis	Parrish, Bernard
Garnett, Kathryn	Pugh, Earl
Green, Beulah	Rush, Charles
Hagstrom, Arthur	Shaw, Robt.
Harper, Cecil	Shields, J. W.
Heritage, Ray	Shouler, E. E.
Hunt, Bertha	Weedman, Walter.

The Business College.

STENOGRAPHY COURSE.

Akers, Adeline Ketmah	.....	Ottawa
Akers, John Deane	.....	Ottawa
Alsup, George Edgar	.....	Blue Mound
Alves, Lena	.....	Ottawa
Armstrong, Jessie Virginia	.....	Ottawa
Barker, Maude Gertrude	.....	Trenton, Mo.
Barker, Sadie May	.....	Ottawa
Beach, Leila Virginia	.....	Ottawa
Bell, Maude Olive	.....	Ottawa
Bell, Roy Ernest	.....	Ottawa
Bloomfield, Anna Myra	.....	Ottawa
Brandenberger, Wm. Leonard	.....	Halstead
Brown, Bennie Harrison	.....	Oswatonic
Brown, Katie Frances	.....	Ottawa
Bruser, Earl John	.....	Ottawa
Burt, Floyd Franklin	.....	Ottawa
Cates, John Wesley	.....	Anthony
Carmean, Mattie Amelia	.....	Paola
Cobb, Marybelle	.....	Ottawa
Correll, Addie	.....	Melvern
Cox, Grover David	.....	Waverly
Cox, Rose Mae	.....	Waverly
Cramley, Mary Allena	.....	Ottawa
Cullinan, Jesse Owen	.....	Anthony
Dunbar, Charles	.....	Princeton
Ehrlich, Cassio	.....	Marion
Ewalt, Estelle Vern	.....	Ottawa
Ferris, Leslie	.....	Yates Center

Flaherty, Winifred	Ottawa
Fletcher, Mattie Mae	Ottawa
Fogelberg, Alfred Emmett	Republic
Gamble, Joe Stanley	Ottawa
Geisler, Mary Louise	Ottawa
Goodwin, Ida Mae	Rantoul
Gilliland, Wayne Edie	Ottawa
Greischar, Ollie	Ottawa
Hinkle, Myrtle Olive	Peoria
Hunt, Bertha Estelle	Ottawa
Hood, Dolly Elizabeth	Ottawa
Heek, Essie E.	Ottawa
Hosie, Lucy Emma	Princeton
Hogan, Mabelle Majesta	Ottawa
Higgins, Lola Lucille	Ottawa
Holland, Edgar Ulysses	Burlington
Houser, Ervin Palmer	Anthony
Houser, Oradelle	Anthony
Huberly, Elizabeth Marguerite	Ottawa
Hodges, Alice	Hewins
Hall, Alma Casto	Wellsville
Jones, Wilbur	Lombard
Johnson, Albert	Ottawa
Johnson, Minnie Olivia	Ottawa
Lawrence, Mabel	Pallade, Colo.
Little, Vesta Lucille	Pemona
Monroe, Mary Bowers	Ottawa
Moore, Leland Wightman	Ottawa
Mingle, Ida Mae	Anthony
Merrillat, Grant McClellan	La Fontaine
Mooney, Frances	Ottawa
Mallory, Etta May	Ottawa
Morrison, Mabel Elizabeth	Phillipsburg
Meeker, William Bentley	Meeker, Okla.
Marsh, Sarah	Ottawa
Miller Charles Leroy	Ottawa
Miller, Elsie Belle	Ottawa
McCullough, Maude	Kansas City
McGee, Warren Luster	Ottawa
Nutt, Sadie	Ottawa
Norton, Louise	Ottawa
Nebeleng, Constant Bodil	Ottawa
Owens, Blanche Elizabeth	Ottawa
Peterson, Marie Otilla	Ottawa
Payne, Ray Olick	Ottawa
Phares, Hazel Josephine	Ottawa

Riddle, Nellie	Ottawa
Raymond, Elizabeth Leo Ester	Ottawa
Robinson, Roy Emerson	Ottawa
Robinson, George Lewis	Ottawa
Ray, Clyde Daniel	Ottawa
Rairden, Lillian	Clifton
Shipp, Willa	Ottawa
Spears, Richard Dwight	Homewood
Sponsler, Mary Alice	Homewood
Shirley, Pansy Ethel	Ottawa
Smith, Eugenia Isadora	Ottawa
Stine, Faye Louis	Ottawa
Suffron, Effie Myrtle	Ottawa
Suffron, Albert Roy	Ottawa
Swager, Jesse	Cherryvale
Shireman, Susan Elizabeth	Ottawa
Taylor, Lettie May	Ottawa
Thompson, Ida Mabel	Ottawa
Taylor, Grace Florence	Ottawa
Thayer, Fanny Ellen	Waverly
Van Every, Mamie Edith	Anthony
Van Dresser, Grace Rachel	Richter
Wood, De Loos Tilton	Ottawa
Warner, Florence	Ottawa
Wooley, Irene	Ottawa
White, Elizabeth Benton	Ottawa
York, Claud	Manchester, Okla.

COMMERCIAL COURSE.

Barnhart, Ralph Earl	Ottawa
Becker, Carl Menefee	Ottawa
Baine, Verne William	Ottawa
Baine, Henry Lowell	Ottawa
Cathart, James Daniel	Eminence
Chaney, Osborn Miller	Newell, Iowa
Clark, Hal LaSalle	Ottawa
Chestnut, Oscar Frank	Ottawa
Fanning, Harry Kennet	Waverly
Forney, Warren Arthur	Wellsville
Foster, Frank	Ottawa
Fowler, Lulu Ethel	Ottawa
Hayward, William Carrol	Ottawa
Hinderliter, Carl Daniel	Ottawa
Hatchinson, Allen Harold	Ottawa
Hunt, Marion Lloyd	Ottawa

Johnson, Jacob Samuel	Bessie, Okla.
Marsh, Charles Lein	Ottawa
Myers, Ray Patton	Agricola
Niedermeyer, Carl Henry	Athol
Pease, Loren Howard	Richards, Mo.
Perkins, Charles James	Ottawa
Rabeck, Guy Otto	Ottawa
Rubic, Francis	Ottawa
Sloan, Ruth Fisher	Stillwell
Staley, Vera Grace	Richmond
Stephenson, Nellie Mae	Westphalia
Tate, Ruth	Arkansas City
Thomas, William Reader	Gage, Okla.
Vernoy, Ada	Ottawa
Woodman, Victor Eugene	Ottawa
Westberg, Peter	Hallingstad, Sweden

TELEGRAPHY.

Bristow, Fred Otis	Oswatomie
Carpenter, Guy Robert	Ottawa
Roberts, Mahel	Oswatomie

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Violin	6

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Stenography Course	101
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Telegraphy Course	3-136
Grand Total	575
Less Repeated Names	110
Net Total	465

Section VI.—The Alumni Association.

THE OFFICERS OF THE ASSOCIATION.

Manly, C. Wareham, 1898	President
Drusilla A. Moses, 1905	Secretary and Treasurer

The Alumni Member of the Board of Trustees.

Rev. J. T. Crawford, '92.

Appointments for 1907.

W. E. Monbeck, '96	Orator
Cresnor Lister, '01	Poet

The regular meetings of the association are held on the Tuesday immediately preceding Commencement Day. The alumni exercises consist of an open meeting at eight o'clock in the evening, held in the college chapel, and of a banquet and reception to the members of the graduating class immediately following the close of the open meeting. All alumni are urged to affiliate themselves with this organization, and to keep themselves in touch with the school.

The University will be glad to be informed of any changes in residence or employment which its graduates may make. The aim of the school is to follow every one of its graduates throughout life, and to foster and support by all legitimate means, the prosperity and usefulness of its sons and daughters. A complete list of the graduates of Ottawa University, together with their present addresses will be published in the April number of the Ottawa Campus.

THE BUREAU OF RECOMMENDATIONS.

The University has organized a bureau of recommendations, of which the president of the University is chairman. The object

of the bureau is to assist, by recommendations, correspondence, nomination and otherwise, its students and graduates in securing such positions of confidence and trust as their record and past accomplishments may entitle them to hold. The service of the bureau is placed unreservedly at the disposal of the alumni and former students of Ottawa University. No fee, except a nominal one to defray postage and necessary expenses will be charged for services rendered. The work of the bureau is planned to be entirely co-operative, and the help of every alumnus is asked to make the movement a success.

Communications addressed to the "Bureau of Recommendations of Ottawa University" will receive immediate and careful attention.

Section VII.

THE DEGREES, CERTIFICATES, DIPLOMAS AND PRIZES
AWARDED IN CONNECTION WITH THE FORTY-FIRST
ANNUAL COMMENCEMENT, JUNE 6, 1907.

CANDIDATES FOR COLLEGIATE DEGREES—JUNE, 1906.

Bachelor of Arts.

Name.	Present Address
Abbott, Fidelia Nicholas	South Bend, Wash.
Atchison, James Ross	Ottawa, Kansas.
Ebaugh, Clarence Goodwin	Ottawa, Kansas.
Hutchins, Vivian Evangeline	Ottawa, Kansas.
Jones, Elgie Joel	Lawrence, Kansas.
Jones, Herbert Charles	Wichita, Kansas.
Jones, Harvey Harrison	McLouth, Kansas.
Monbeck, William Elmer	Newton Center, Mass.
Peck, Mabelle Milne	Ottawa, Kansas.
Ramage, Olive Maude	Arkansas City, Kansas.
Russell, Olive	Derby, Kansas.
Wood, Norman Elmore	Summerfield, Kansas.

Bachelor of Philosophy.

Beach, Leila Virgilia	Ottawa, Kansas.
Bureau, Ernest Adolph	Ashland, Wis.
Estabrook, Claire	Wellesley, Mass.
Hildreth, Eva	Parsons, Kansas.
Hess, George Lee	LaJunga, Colo.
Hoy, Mary Oda	Long Island, Kansas.
Manley, Charles Rothwell	Kansas City, Kansas.
Merriman, Maude Evangeline	LaCygne, Kansas.
Morse, Alice Mabel	Phillipsburg, Kansas.
Reeves, Mary (Veeb)	Oberlin, Kansas.
Robinson, Florence Rose	LaCygne, Kansas.

Bachelor of Science.

Christie, Ralph Edgar	Kansas City, Mo.
Collett, Ernest Benjamin	Lincoln, Ill.
Haigh, Glenn	Denver, Colo.
Kimmel, Ruby Coral	McLouth, Kansas.

Bachelor of Music.

Peck, Mabelle Milne	Ottawa, Kansas.
Shinn, Laura Tabitha	Ottawa, Kansas.

Master of Science.

Barker, Clyde James, B. S., M. D., '02	Kaw City, Okla.
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CANDIDATES FOR TEACHERS' CERTIFICATES.

Abbott, Fidelia N.	Jones, Elgie J.
Beach, Leila V.	Jones, Harvey H.
Bureau, Ernest A.	Kimmel, Ruby C.
Collett, Ernest B.	Merriman, Maude E.
Ebaugh, Clarence G.	Morse, Alice M.
Estabrook, Claire	Ramage, Olive M.
Hildreth, Eva	Robinson, Florence R.
Hoy, Mary Oda	Russell, Olive.
Hutchins, Vivian E.	Wood, Norman E.

CANDIDATES FOR DIPLOMAS IN ACADEMY.

Classical Course.

Jones, J. Wilbur	Patten, Fern Lillian
Prie, Clair Sandon	Woods, Cora Edna

Philosophical Course.

Haynes, Lillian Maude.	Stewart, Jessie Prudence
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Scientific Course.

Marcoe, Morton Glenn	Wood, DeLoss Tilton
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CANDIDATES FOR DIPLOMAS IN THE CONSERVATORY

Piano.

Ramey, Mrs. Una Howell.	Finley, Jessie D.
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Voice.

CANDIDATES FOR DIPLOMAS IN BUSINESS COLLEGE.

Stenographic Course.

Anglemyer, Grace Evelene	Kassens, Vivian Mary Salome
Arnold, Cora Edith	Kirchner, Clara Marguerite
Bell, Maude Olive	Liton, Sadie Irene
Brown, Catherine Frances	Liton, Myrtle Edith
Elzea, Lloyd Emerson	McDowell, Agnes Mary
Ewalt, Estelle Vern	Meeker, Julia Anna
Flaherty, Francis M.	Miller, Grace E.
Frazier, Alice Mary	Moorse, Leland Wightman
Gibson, Maude Anne	Spears, James Glenn
Grant, Margerite Helen	Thomas, Ellen Sherman
Hardy, Cleo Clinton	Veburg, Carl A.
Harris, Gertrude J.	Veeh, Marguerite Barbara
Heltmeyer, Lulu Alice	Wilkins, Opal
Hornbeck, Eunice	

Commercial Course.

Bruner, John Earl	Mularky, Benjamin
Embry, Harold E.	Oldham, Albert William
Gamble, Joe S.	Rabeck, Clarence C.
Kassens, Vivian Mary Salome	Veeh, Marguerite B.
Legg, Wellington E.	

PRIZES AWARDED JUNE, 1906.

Atkinson Rhetorical Prize	Ernest B. Collett
First Dobson Oratorical Prize	Nita B. Constant
Second Dobson Oratorical Prize	Augusta C. Parrish
First Kinney Essay Prize	Ellen Osgood
Second Kinney Essay Prize	Margaret Frosing
First Hageman Declamation Prize	Leslie Ferris
Second Hageman Declamation Prize	Marsh Cook
McWharf Physics Medal	Margaret Frosing
Second Physics Prize	Raymond Teall
McWharf Chemistry Medal	Glenn Stewart
Second Chemistry Prize	Bernard Parrish
First National Bank Latin Prize	Alice Bell
Becker Latin Prize	Corrinne Stephenson
First Greek Prize	Robert Wynne
Second Greek Prize	Alice Bell
Third Greek Prize	Myrtle Sanderlin
	Ray Heritage

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