The Western University
of London, Ontario

Arts Department Calendar

1915-1916

The Western University of London, Ont.

ARTS DEPARTMENT

Calendar

For the Year 1915-1916

Calendar

1915

Supplemental Examinations begin	Sept. 21
Registration	Oct. 1, 2
Meeting of the Arts Faculty Committee	Oct. 2
Lectures in Arts begin	Oct. 4
Last Day for Payment of Fall Term Fees	Oct. 15
Railway Certificates issued	Dec. 16
Christmas Vacation begins	Dec. 20

1916

Last Day for giving Notice to Registrar of Subjects of M. A. Theses	Jan. 1
Mid-Year's Examination	Jan. 3-8
Lectures in Arts resumed	Jan. 10
Meeting of the Arts Faculty Committee	Jan. 10
Last Day for Payment of Spring Term Fees	Jan. 15
Ash Wednesday Holiday	Mar. 8
Last Day for submitting M. A. Theses	Apr. 1
Lectures in Arts close	Apr. 15
Good Friday	Apr. 21
Arts Examinations begin	Apr. 27
Convocation	May 26

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Table of Contents

Page.

CALENDAR FOR YEAR 1915-16 4

THE BOARD OF GOVERNORS 6

THE SENATE 6

THE FACULTY OF ARTS 8

ADMISSION REQUIREMENTS 10-14

- General Regulations 10
- Special Students 10
- Admission "Ad Eundem Statum" 11
- Extramural Students 11
- Junior Matriculation 12-14
- Honor Matriculation 14

THE GENERAL COURSE 15-34

- General Regulations 15
- Requirements for B.A. 17
- The B.A., M.D. Course 17
- Theological Options 18
- The Courses 19-34

THE HONOR COURSES 35-58

- General Regulations 35
- Departments 36-58

THE DEGREE OF MASTER OF ARTS 59

ADMISSION "AD EUNDEM GRADUM" 60

GENERAL INFORMATION 60-62

- Fees 60
- Medals, Scholarships and Prizes 61
- Library and Laboratories 62
- Students' Organizations 62
- Hoods 62

APPENDIX 63-67

- The Faculty of Medicine 63
- The Institute of Public Health 63
- Lists of Students, Degrees conferred, Winners of Medals, Scholarships and Prizes 64-67

The Western University of London, Ontario.

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The Faculty of Arts

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Associate Professor of Biology and Lecturer in Geology.

LOUIS AUBREY WOOD, B.A. (TORONTO), B.D. (MONTREAL PRESBYTERIAN), PH.D. (HEIDELBERG),

Associate Professor of History and Political Economy.

HILDA BAYNES, B. ès L. (PARIS),

Lecturer in French.

GEORGE MELBOURNE BROCK, B.A. (TORONTO),

Lecturer in English and History and Faculty Director of Athletics.

JOHN DEARNESS, M.A. (WESTERN),

Lecturer in Biology.

REV. GEORGE BLOOMFIELD SAGE, M.A. (TRINITY), D.D.,

Lecturer in Ethics and Psychology.

SOLON WOOLVERTON, L.D.S.,

Lecturer in Geology.

HIBBERT W. HILL, M.B., M.D., D.P.H. (TORONTO),

Lecturer in Public Health.

GEORGIA MAUD NEWBURY, EMERSON COLLEGE OF ORATORY,

Instructor in Elocution and Public Speaking.

Admission Requirements

GENERAL REGULATIONS

1. Candidates for admission to the Faculty of Arts who do not present certificates of Departmental Junior Matriculation or its equivalent must pass the admission examination of the Western University. This examination is set, in full, only for students of Huron College. Candidates presenting certificates of Departmental Honor Matriculation or equivalent shall be admitted to Honor Courses in the First Year in any work corresponding to their certificates; or they shall be given First Year standing in the General Course in the subjects covered by their certificates.

2. The equivalents of certificate of Departmental Junior Matriculation are: (1) Normal Entrance, (2) certificate of matriculation at any accredited university. The equivalents of certificate of Departmental Honor Matriculation are: (1) Entrance to Faculty of Education (2) certificate of Honor Matriculation at any accredited university.

3. Candidates presenting certificates of matriculation lacking two subjects may be admitted to the courses in the First Year without any examination. Those who enter, however, in this way must, before beginning any work of the Third Year, have completed matriculation at regular examinations held at the University in May and September.

4. The subjects of Junior Matriculation are as follows: Latin, English, History, Mathematics, and any two of the following: Greek, French, German, Experimental Science.

NOTE.—Students registered with theological bodies may present First Year Hebrew in lieu of one optional subject.

5. The pass standard for admission is forty per cent. in each subject. The first-class honor standard is seventy-five per cent., the second-class honor standard sixty-six, and the third-class fifty per cent.

SPECIAL STUDENTS

6. Special Students who are not candidates for a degree may be admitted to classes in the university if, in the opinion

of the professors in charge, they are qualified to pursue satisfactorily the courses chosen. Such special students must satisfy the professors in regard to regular attendance and attention to the work of the class. They will not be allowed to advance from year to year in a department without taking the regular examinations. Non-matriculated special students will not be admitted to more than four courses of a year.

7. Special Students may, at the beginning of any college year, on presenting qualifications for admission, be allowed to enroll as regular students and become candidates for degrees subject to the regulations governing such students. The work satisfactorily carried and passed by them as special students will be put to their credit for the degree of B.A.

ADMISSION "AD EUNDEM STATUM"

8. All applications for advanced standing must be accompanied by official certificates of standing from the institutions where previous work has been done. These applications shall be referred to a committee of the Faculty of Arts to be composed of the heads of all departments in which students ask credit for work done elsewhere.

EXTRAMURAL STUDENTS

9. For sufficient reasons, students may, on application to the Senate, be allowed to enter upon or pursue the work of the courses, and to present themselves for examination at the appointed time without attendance upon classes; but such extramural candidates for degrees must, before being enrolled, present certificates of Departmental Junior Matriculation in Arts or equivalents, as in §2 above, or pass the admission examination of the Western University. Provision may be made by the Senate for examination of extramural students at a local center, the cost of the examination to be defrayed by the candidates. Extramural students are subject to a special fee of ten dollars, to be paid annually at the time of registration.

JUNIOR MATRICULATION: PASS

The following are the requirements of the Department of Education for Junior Matriculation.

GREEK.

Translation into English of passages from the prescribed texts, with questions thereon.

Translation at sight of simple narrative passages similar to the Xenophon prescribed.

Questions on Greek accidence and on the common rules of Greek syntax, to test the candidate's accuracy and comprehension in such matters as are needful for the intelligent reading of his texts.

The following are the prescribed texts:

Xenophon, Philpotts and Jerram, *Easy selections from Xenophon* chaps. 3, 4, 5; Homer, *Iliad*, VI., 66–118 and 237 to the end.

LATIN.

Translation at sight of passages of average difficulty from Cæsar, upon which special stress will be laid.

Translation, with questions, from a prescribed portion of Vergil's *Æneid*.

Questions on Latin accidence.

Translation into Latin of English sentences involving a knowledge of the following principles of Latin syntax: The common uses of the cases; the accusative with the infinitive; the subjunctive in simple sentences; final and result clauses; the law of the sequence of tenses; the indirect question; verbs of fearing, doubting and hindering; the use of the participle, gerund and gerundive, active and passive periphrastic; indirect discourse; and the common forms of the conditional sentence.

The vocabulary will be taken from the prescribed portion of Cæsar and special stress will be laid upon this part of the examination.

Examination upon a short prescribed portion of Cæsar, to test the candidate's knowledge of Latin syntax and his power of idiomatic translation.

The following are the texts prescribed:

Cæsar, *Bellum Gallicum*, Book IV., chaps. 20–38, and Book V., chaps. 1–23; Vergil, *Æneid*, Book II., 1–505.

ENGLISH.

Composition: An essay on one of several themes set by the examiner. One examination paper.

Literature: One examination paper on the following:—

Coleridge, *The Ancient Mariner;* Tennyson, *Lotos Eaters, Ulysses, "Of old sat Freedom," Locksley Hall, Songs from the Princess, Ode on the Duke of Wellington, Charge of the Light Brigade, Enoch Arden;* Shakespeare, *Julius Cæsar.*

FRENCH.

The candidate's knowledge of French will be tested by: (1) simple questions on grammar; (2) the translation of simple passages from English into French; (3) translation at sight of easy passages from modern French, and (4) an examination on the following texts:

The texts contained in the New High School French Reader.

Daudet, *Le Petit Chose à l'École* (*Blackie's Longer French Texts.*)

Two papers will be set: (1) Prescribed texts and translation at sight; questions on grammar; (2) the translation of English into French.

GERMAN.

The candidate's knowledge of German will be tested by: (1) simple questions on grammar; (2) the translation of simple passages from English into German; (3) translation at sight of easy passages from modern German, and (4) an examination on the following texts:

The texts contained in the New High School German Reader.

Seidel, *Aus goldenen Tagen*, (edited by W. Bernhardt).

Two papers will be set: (1) prescribed texts and translation at sight; questions on grammar; (2) the translation of English into German.

HISTORY.

British History—Great Britain and Canada from 1763

to 1915, with the outlines of the preceding periods of British and Canadian history.

The geography relating to the history prescribed.

One examination paper.

Ancient History—General outlines of Greek history to the death of Alexander and of Roman history to the death of Augustus.

The geography relating to the history prescribed.

One examination paper.

MATHEMATICS.

Algebra—Elementary Rules; highest common measure; lowest common multiple; fractions; square root; simple equations of one, two and three unknown quantities; indices; surds; quadratics of one and two unknown quantities.

One examination paper.

Geometry—The examination will be based on the course of study in this subject as prescribed by the High School Regulations of the Ontario Department of Education for the Middle School, and will involve a practical test of the candidate's acquaintance with the graduated ruler, the compasses, the set square and the graduated circle in the solution of simple geometrical problems. The course is covered by The Ontario High School Geometry.

ELEMENTARY EXPERIMENTAL SCIENCE.

Physics—An experimental course in Heat, Sound, Light and Electricity.

One examination paper.

Chemistry—Physical and Chemical Changes, Elements, etc.

One examination paper.

JUNIOR MATRICULATION: HONORS

41. Requirements as prescribed by the High School Regulations of the Ontario Department of Education for the Upper School.

The General Course

GENERAL REGULATIONS

10. There are two ordinary modes of proceeding to the Degree of Bachelor of Arts, viz.: (1) by taking the General Course; (2) by taking an Honor Course.

11. An undergraduate is entitled to the degree of Bachelor of Arts if in each year of his course he passes the examinations in the prescribed work of the General Course.

12. Candidates in the General Course in Arts shall be ranked in order of merit in each subject in the annual class lists in three grades, A, B, C; the minimum for grade A shall be seventy per cent. of the marks, and for grade B fifty-five per cent.; all who pass with less than fifty-five per cent, but not less than forty per cent. (the minimum for pass), shall be placed in grade C.

13. In all subjects of the General Course the ratio of term-work marks to examination marks will be as fifty to one hundred. To pass, a student must obtain forty per cent. on the whole of a subject, with thirty-three per cent. both in the term work and in the examination. In an Honor Course the ratio of term-work marks to examination marks is determined by the teaching staff in that subject. Term work will not be credited to a student beyond the year in which it is taken, if he has to pass a supplemental examination; on that he must obtain forty per cent.

14. Regular students in the General Course who have not attended at least eighty per cent. of the lectures for the term in a subject may be debarred from taking the sessional examination on that subject.

15. Sessional examinations will be held for the General Arts course in January and in May. The student must obtain the required percentage, at least forty, both for the first and for the second term's work in each subject. Examinations will be held in May for those who have failed in the first term; in September for those who have failed in the second term's work or in the year's work in any subject.

16. Students failing to obtain twenty-five per cent. on the year's work in a subject shall not be eligible for re-examination without a further year's attendance on the lectures in the subject in which they have failed.

17. In courses where each year's work depends directly upon that of the preceding year, no student who has failed may take up the work of the following year. The application of this rule shall rest with the professor in charge.

18. A student who at the close of the September supplemental examination has not obtained standing in at least half of the subjects of the year shall not rank as a student of the succeeding year, though he may be allowed to proceed in those subjects in which he has obtained standing.

19. For sufficient reasons, a student may, on application to the Senate, be permitted to present himself for an examination in a subject without previous attendance upon classes.

20. When a candidate at an examination is starred in a subject which is one of two or more subjects between which an option exists at the said examination, the candidate at his supplemental examination may present himself in any one of such alternative subjects, subject to the condition laid down in §19.

21. A student who has not been granted complete first-year standing may not enter upon any work of the third year; nor a student who has not been granted complete second-year standing, upon any work of the fourth year.

22. A student in the General Course who wishes to take honors in a department may be allowed to repeat his year, taking the work of the honor department only, if he so desires, and on passing with honors he shall be allowed to proceed in that department.

REQUIREMENTS FOR B.A.

The subjects to be taken by those pursuing the General Course are:

FIRST YEAR—English Literature; English Composition; Latin; Mathematics; any three of: French, German, Greek, Hebrew, Biology, Chemistry, Physics.

SECOND YEAR—English Literature; English Composition; Latin; any four of: Ancient History and Logic or Ancient History and Psychology, Mathematics, French, German, Greek, Hebrew, Biology, Chemistry, Physics, Public Health and Bacteriology, Economics.

THIRD YEAR—English; European and British History; Ethics and History of Philosophy; any three of: French, German, Greek, Hebrew, Latin, Biology, Chemistry, Physics, Economics.

FOURTH YEAR—English; European and British History; Constitutional History of England and Canada; any three of: French, German, Greek, Hebrew, Latin, Astronomy, Chemistry, Geology, Constitutional and Diplomatic History of the United States, Modern Philosophy, Economics.

THE B.A., M.D. COURSE

Graduates in Medicine will be granted the degree of B.A. on passing the regular examinations in the following Arts subjects (§18):

FIRST YEAR—English; Mathematics; and any two of the following subjects: Latin, Greek, French, German.

SECOND YEAR—English; one of the languages previously taken; Economics; and one of the following: Mathematics, Ancient History and Logic, the other language.

THIRD YEAR—English, a language selected previously; European and British History; Physics and Mechanics, or another language previously selected.

FOURTH YEAR—English; a language already selected; European and British history; Geology.

THEOLOGICAL OPTIONS

Theological students in affiliated colleges pursuing the General Course are allowed the following options:

SECOND YEAR—Ancient History and Logic must be taken.

THIRD YEAR—Biblical Greek for Classical Greek; Theism and Psychology must be taken.

FOURTH YEAR—Biblical Greek, Church History and Biblical Literature for three Arts Options.

Note:—Biblical Greek for Classical Greek, in the third and fourth years, involves a thorough knowledge of the Text and Introduction of Two selected Books of the New Testament in each year, exercises in Grammar and Composition and examinations midyear and final in each Book. Not less than three hours a week during each session.

Church History—The Option calls for a course of lectures with midyear and final examinations in the period of Early Church History (1 hour a week) and either the earlier or later period of English Church History with examinations as above (not less than two hours a week during the session, and essay work).

Theism calls for two hours a week during the session, with essays and examinations.

Biblical literature calls for attendance at lectures 2 hours a week during two college sessions, with examinations.

THE COURSES

FIRST YEAR

English Literature.

Literature—Ben Jonson, *To the Memory of Shakespeare;* Milton, *Lycidas, L'Allegro, Il Penseroso, Epitaph on Shakespeare;* Pope, *Rape of the Lock;* Burns, *Tam O'Shanter, To William Simpson, Address to the Deil;* Crabbe, *The Village, I .and II., Peter Grimes;* Wordsworth, *Tintern Abbey;* Coleridge, *Christabel, Kubla Khan, To a Gentleman;* Byron, *Childe Harold IV.;* Scott, *Redgauntlet;* Keats, *Eve of St. Agnes;* Thackeray, *Henry Esmond;* Tennyson, *In Memoriam: Proem, 1, 27, 31, 32, 53, 56, 76, 95, 105, 129;* Browning, *Fra Lippo Lippi, Caliban;The selections from* Cowper, Carlyle, Thackeray and Stevenson in *Selected English Essays* (Oxford University Press).

Note.—The poetical selections are to be found in *The English Parnassus* (Clarendon Press). (2 hours a week).

Literary Interpretation—This course includes (1) A study of selections from orators, essayists, dramatists and poets, illustrative of the principles of oral interpretation; (2) Lectures following the sixteen progressive and graded steps through which the student may advance to understanding of the teacher's criteria; (3) Instruction in the science of sounds in language and an analytic study of English pronunciation and enunciation. (1 hour a week).

English Composition.

The writing of at least four original compositions. Fortnightly themes in class. Provision will be made by a special paper in English Composition for the examination of candidates who are not in attendance, and who have not presented the essays required. Carpenter's *Rhetoric and English Composition* (Macmillan) is recommended. (1 hour a week).

Latin.

1. Cicero, *Pro Lege Manilia* and *Selected Letters.* (Greenough's edition of Cicero's *Orations and Letters,* Ginn

& Co., New York); Vergil, *Æneid 4* (Macmillan Elementary Classics); Horace, *Odes 1* (Macmillan Elementary Classics).

2. Grammar—Bennett's *Latin Grammar* (Allyn & Bacon, Boston) or Allen and Greenough's *Latin Grammar* (Ginn & Co.).

3. Composition—Bennett's *Latin Composition* (Allyn & Bacon).

4. Sight Translation. (3 hours a week).

MATHEMATICS.

Algebra—Linear and quadratic equations of one, two and three unknowns; ratio and proportion; variation, graphs; inequalities; progressions; interest forms and annuities. (2 hours a week).

Text: DeLury's *Intermediate Algebra.*

Geometry—Inscribed, escribed, circumscribed center of triangle; mean center and orthocenter of triangle; radical axis and radical center of circles; axis of symmetry and axis of homology, center of symmetry and center of homology, harmonic properties of quads; collinear points and concurrent lines. A general review of substance of Bks. IV. and VI. of Euclid's Elements.

Text: Hall & Stevens, *A School Geometry*, Parts I.–VI. (Macmillan & Co.) (1 hour a week).

FRENCH.

Grammar; dictation; translation from English into French.

Translation at sight from easy modern French prose, and an examination on Dumas: *Les trois mousquetaires.* (3 hours a week.)

GERMAN.

Grammar; dictation; translation from English into German.

Translation at sight from easy modern German prose, and an examination on *Geschichten von Deutschen Stadten*, pp. 1–88. (3 hours a week).

GREEK.

1. Goodwin's *Greek Reader* (Ginn & Co.)
2. Goodwin's *Greek Grammar* (Ginn & Co.)

3. Composition—Bonner's *Greek Composition* (Scott, Forsman & Co., Chicago).

4. Sight Translation. (3 hours a week).

HEBREW.

Davidson, *Essentials of Hebrew Grammar*, pages 1 to 51, including the writing of exercises 164, 165, and 168 to 175.

Translation from English into Hebrew.

Translation into English of *Genesis* I. to IV., XL.; *Deuteronomy* IV., V., with grammatical analysis, parsing and vocabulary. (2 hours a week).

BIOLOGY.

Elementary Biology—An introductory course in Biology.

(a) Two lectures a week throughout the year.

(b) Four hours' laboratory work a week throughout the year.

CHEMISTRY.

Inorganic Chemistry—A course of lectures, demonstrations and practical work in general chemistry, including a detailed study of the more common elements, their source, method of preparation, properties, uses and compounds; also the laws of chemistry, chemical equations and chemical mathematics. The practical work consists of experiments covering the principles discussed and demonstrated in the lectures.

50 hours lectures, 50 hours laboratory. Laboratory fee, $2.00—not returnable. Laboratory Deposit, $5.00—returnable at end of session, minus deductions for breakage.

PHYSICS.

An introductory course presenting briefly the fundamental concepts of physics by means of lectures, demonstrations and experiments, and requiring only an elementary knowledge of mathematics. It will meet the needs of those who desire a general survey of the field, and will serve equally well as a foundation for more detailed study. Particular emphasis is laid upon the choice and definition of units. The following topics are treated, with their application to everyday experience:

(1) *Mechanics and Heat*—Laws of motion, conditions of equilibrium, simple machines, mechanics of fluids, nature and effects of heat, calorimetry, the law of conservation of energy.

(2) *Sound and Light*—Wave motion and types of vibration, velocity of sound, interference and resonance, laws of reflection, refraction and dispersion, photometry.

(3) *Electricity and Magnetism*—Magnetic and hydrostatic fields, sources of electromotive force, laws of resistance, effects of electric currents, the fundamental principles of dynamo-electric machines.

Two lectures, two laboratory hours per week.

SECOND YEAR

English Literature.

Shakespeare, *Romeo and Juliet*, *Henry IV.*, parts I. and II.; *Twelfth Night; King Lear;* the selections from Bacon, Swift, Addison and Johnson in *Selected English Essays* (Oxford University Press). (2 hours a week).

English Composition.

The writing of at least four original compositions. Fortnightly themes in class. (1 hour a week).

Latin.

1. Vergil, *Æneid 4* (Macmillan Elementary Classics); Horace, *Odes 2, 3, 4* (Macmillan Elementary Classics); *Selections from Livy* (edited by Burton, American Book Co., New York).

2. Grammar—Allen & Greenough's *Latin Grammar* (Ginn & Co.)

3. Composition—Allen's *Second Latin Exercise Book* (Oxford Press).

4. Sight Translation. (3 hours a week).

Ancient History.

General History of Greece to 146 B.C. and of Rome to 476 A.D. The text-books will be Botsford's *History of Greece* (Macmillan Co.), and Pelham's *Outlines of Roman History*

(Putnam, New York). Considerable collateral reading will be required.

Candidates for Honors will be assigned a much wider range of reading than General Course students, and will be required to present reports during the year on special topics. (2 hours a week.)

LOGIC.

Formal and inductive. Text: Jevons: *Elementary Lessons in Logic* (Macmillan).

PSYCHOLOGY.

Sensation, Thought, Emotion, Volition.

Angell's *Psychology* (Holt), or Stout's *"Groundwork of Psychology"* (Hinds, Noble). (1 hour a week.)

MATHEMATICS.

Algebra—Sums of squares and of cubes of natural numbers, applications; scales of notation; simultaneous, quadratic and cubic equations in two and three unknowns; imaginaries, undetermined co-efficients; elimination; permutations and combinations; binomial theorem, with applications. (1 hour a week.)

Text: Hall & Knight, *Higher Algebra*, pp. 50–186.

Geometry—Analytical Geometry of the point, line and circle. (1 hour a week).

Text: W. M. Baker, *Algebraic Geometry*, Part I.

Trigonometry—Trigonometrical ratios and their relations; values of ratios of common angles; formulas of circular measure; applications; ratios of the sum and difference of two angles, with derived formulas; logarithms; solution of triangles, with derivation of necessary formulas; radii of inscribed, escribed and circumscribed circles to a triangle; perimeters and areas of inscribed and circumscribed regular polygons, with consequences. (1 hour a week.)

Mechanics—(a) Statics and Dynamics, (b) Hydrostatics, (c) Heat.

Texts: Merchant, *Elementary Mechanics;* Glazebrook, *Mechanics and Hydrostatics;* Glazebrook, *Heat.*

FRENCH.

Grammar; dictation; conversation; translation from English into French.

Translation at sight from modern French prose, and an examination on Souvestre: *La main malheureuse* and *La question d'argent* (Heath & Co.). (4 hours a week).

GERMAN.

Grammar; dictation; conversation; translation from English into German.

Translation at sight from modern German, and an examination on: *Geschichten von Deutschen Städten*, pp. 1–88; Hatfield's *German Lyrics and Ballads*, II., III. (4 hours a week).

GREEK.

1. Plato, *Apology;* Thucydides, *Book 4;* Selections from Herodotus.

2. Grammar—Goodwin's *Greek Grammar.*

3. Composition—Sidgwick's *Greek Prose Composition* (Longman's ,New York).

4. Sight Translation. (3 hours a week).

HEBREW.

Davidson's *Hebrew Grammar*, pages 51 to 79, including exercises and the remainder of the verbs.

Introduction to Hebrew literature and history.

Exodus, I. to IV.; I. *Samuel*, XVII.; I. *Kings*, XVII., XVIII., XIX., XXII.; II. *Kings*, XVII. (2 hours a week).

BIOLOGY.

Phanerogamic Botany—A course dealing with the morphology and classification of the flowering plants.

(a) Two lectures a week during the fall term.

(b) Four hours' laboratory work a week during the fall term.

Invertebrate Zoology—A similar course dealing with the invertebrate animals.

(a) Two lectures a week during the spring term.

(b) Four hours' laboratory work a week during the spring term.

CHEMISTRY.

Inorganic Chemistry—Qualitative and quantitative analysis—available only to students who have completed satisfactory work in first year Chemistry or its equivalent.

A laboratory course covering qualitative and quantitative analysis. Lectures bearing upon laboratory technique and new methods of analysis given as required.

The work will be to a large extent individual in character, each student being required to work out a definite number of unknown compounds during the session.

100 hours—Laboratory fee, $2.00—not returnable. Laboratory deposit, $5.00—returnable at end of session, minus deductions for breakage.

Physics.

Many of the topics treated in the first year will be taken up again with considerable elaboration and a more careful mathematical formulation of the laws involved, but without the use of calculus. In addition, certain principles will be discussed, which, on account of their more advanced nature, were omitted from the introductory course. The lectures will be supplemented by numerous illustrative problems and practical laboratory work in continuation of that of the previous year.

(1) *Properties of Matter and Mechanics*—Dynamics of rotation, molecular mechanics, centre and movements of inertia, elasticity.

(2) *Light and Heat*—The equations of simple harmonic and wave motion; Huygen's principle, elementary physical optics, the phenomena of color; mechanical theory of heat, properties of saturated vapors, equations of state.

(3) *Electricity and Magnetism*—The absolute measurement of electrical and magnetic quantities, with a more detailed study of electromagnetic induction, hysteresis, self and mutual inductance and alterating current phenomena, with their modern practical applications.

Two lectures, two laboratory hours per week.

Public Health and Bacteriology.

A course of 50 lectures and 20 hours laboratory work.

Economics.

The Elements of Political Economy.

Text Books: C. Gide, *Principles of Political*

Economy or F. W. Taussig, *Principles of Economics;* C. J. Bullock, *Selected Readings in Economics;* J. G. Bartholomew, *Advanced Economic Atlas.* (2 hours a week).

THIRD YEAR

English.

An outline of 19th century poetry, with a special study of the following texts: Wordsworth, *Michael, "My heart leaps up," Lines composed above Tintern Abbey, Resolution and Independence, To My Sister, Expostulation and Reply, The Tables Turned, "She dwelt, etc.," "Three years she grew," "A slumber, etc.," At the Grave of Burns, The Solitary Reaper, Stepping Westward, Intimations of Immortality, To the Cuckoo, "She was a phantom of delight," "I wandered lonely as a cloud," Ode to Duty, To a Skylark ("Ethereal minstrel"), Elegiac Stanzas, French Revolution, Laodamia, September 1819, Extempore Effusion, Yarrow Unvisited, "It is a beauteous evening," To Toussaint, Written in London, September, 1802; London 1802, "It is not to be thought of," "The World is too much with us," "Nuns fret not," Personal Talk, "The unremitting voice of nightly streams";* Coleridge, *The Ancient Mariner, The Lime-tree Bower, Frost at Midnight, Love, Dejection, Youth and Age;* Scott, *Marmion (except the introductions), The Violet, The Maid of Neidpath, Eve of St. John, "Soldier, rest, thy warfare o'er," Coronach ("He is gone on the mountains"), Brignall Banks, Jock of Hazeldean, Pibroch of Donald Dhu, "The sun upon the Weirdlaw Hill," Proud Maisie, County Guy;* Byron, *Sennacherib, "She walks in beauty," Childe Harold, Canto III.; Don Juan, Dedication, Canto I., stanzas 212-218; II., stanzas 49-53; III., stanzas 86-111; XI., stanzas 53-75;* Shelley, *Adonais, Lines written among the Euganean Hills, Stanzas written in Dejection, Ode to the West Wind, An Indian Serenade, Arethusa, The Sensitive Plant, The Cloud, To a Skylark, The Question, To Night, "The world's great age," "One word is too often profaned," "When the lamp is shattered," Ozymandias, Epipsychidion;* Keats, *Sleep and Poetry, From Endymion I., The Human Seasons, Fancy, The Eve of St. Mark, "Bards of passion and of mirth," On a Grecian Urn, To a Nightingale, In a Drear-Nighted December, To Autumn, Chapman's Homer, La Belle Dame sans Merci;* Robert

Browning, *Pippa Passes, Cavalier Tunes, How they brought the good news, The Lost Leader, The Bishop orders his Tomb, Time's Revenges, Love among the Ruins, Two in the Campagna, Saul, Memorabilia, Popularity, Love in a Life, Life in a Love, Childe Roland, A Grammarian's Funeral, Rabbi Ben Ezra, Abt Vogler, Confessions, Prospice, Development,;* Matthew Arnold, *The Strayed Reveller, Morality, Philomela, The Scholar Gipsy, Thyrsis, Dover Beach;* D. G. Rossetti, *My Sister's Sleep, The Blessed Damozel, The Portrait, Sister Helen, Insomnia,* the following sonnets—*On a refusal of Aid between Nations, Silent Noon, Lost Days, "Retro me, Sathana."* (All the selections named in this paragraph are contained in a single volume, *"British Poets of the Nineteenth Century"* (Benjamin H. Sanborn & Co., N. Y.) (2 hours a week.)

Essays connected with the above course will be required during the session.

European and British History.

(a) Period of study, 1100-1250 A.D.

Text-books: K. Bell, *Mediæval Europe;* J. H. Robinson, *History of Western Europe;* Thatcher and McNeal, *Source book for Mediæval History;* Green or Gardiner for English History; English History Source Books (Bell).

(b) Period of study, 1450-1600 A.D.

Text-books: E. M. Tanner, *Renaissance and Reformation;* J. H. Robinson, *Readings in European History;* Green or Gardiner for English History; C. W. Colby, *Selections from the Sources of English History.*

A list of books valuable for reference for these two periods may be found under the Department of English and History, Second Year. Term essays are required.

(2 hours a week.)

Ethics.

(a) History of early modern Ethics up to Kant.

(b) Theory of obligation.

(c) Applied Ethics.

Text-books: Mackenzie, *Manual of Ethics;* D'Arcy, *A short Study of Ethics;* Dewey and Tufts, *Ethics;* Sidgwick, *History of Ethics.* (1 hour a week).

History of Philosophy.

(a) Greek Philosophy, with special reference to Socrates, Plato and Aristotle. Essay.

(b) Pre-Kantian Philosophy, with special reference to Des Cartes, Spinoza and Leibniz. Essay.

(c) English Philosophy, with special reference to Bacon, Hobbes, Locke, Berkeley and Hume. Essay.

(2 hours a week).

French.

Grammar; dictation; translation from English into French; translation at sight from modern French.

An examination on the following texts: Voltaire, *Zadig;* De la Brète, *Mon oncle et mon curé;* De Maupassant, *Huit contes choisis.* (4 hours a week).

German.

Grammar; dictation; translation from English into German; translation at sight from modern German.

Outlines of the history of German literature to 1740.

An examination on the following texts: Freitag, *Soll und Haben* (Heath & Co.)*;* Heine's *Prose,* pp. 1–100 (Colbeck's edition, Macmillan Co.) (4 hours a week).

Greek.

1. Euripides, *Medea;* Sophocles, *Antigone;* Æschylus, *Prometheus Vinctus.*

2. Composition—Sidgwick's *Greek Prose Composition* (Longman's, New York.)

3. Sight Translation.

4. The development of the Drama; the Theatre (Lectures). (3 hours a week.)

Hebrew.

Remainder of Davidson's *Hebrew Grammar;* Composition; Sight Translation and Pointing; *Genesis* XXXVII., XLII. to XLV.; Introduction to prophetic writings, *Amos* I., II.; *Isaiah* I. to VI., XL.; *Jeremiah,* VII.; *Ezekiel* XIV.

(2 hours a week).

Latin.

1. *Latin Literature of the Early Empire* (edited Brown, Clarendon Press).

2. Composition—Allen's *Second Latin Exercise Book* (Oxford Press).

3. Sight Translation.

4. History of Literature of the Empire.

(3 hours a week).

BIOLOGY.

Botanical Collection—Students entering third year are required to submit a collection of flowering plants. Further particulars on application to this department.

Cryptogamic Botany—A course on the morphology and classification of the cryptogamic plants.

(a) Two lectures a week during the fall term.

(b) Four hours, laboratory work a week during the fall term.

Zoological Collection—Students entering the third year are required to submit a collection from prescribed groups of invertebrate animals. For particulars ,apply to this department.

Vertebrate Zoology—A course dealing with the vertebrate animals.

(a) Two lectures a week during the spring term.

(b) Four hours' laboratory work a week during the spring term.

CHEMISTRY.

Organic Chemistry—Available only to students who have completed satisfactory work in First and Second Year Chemistry.

A course of lectures and demonstrations on the fatty and aromatic hydro-carbons and their derivatives, the carbo-hydrates, proteins and alkaloids. Laboratory work consists of preparation, identification and estimation of some of the simpler organic compounds, organic acids, alkaloids, etc.

80 hours—Laboratory fee, $2.00—not returnable. Laboratory deposit, $5.00—returnable at end of session, minus deductions for breakage.

PHYSICS.

Students in the general course may, with the consent of the instructor, elect one of the courses in the honor group for the third year.

ECONOMICS.

One of the courses under the Department of Political Science, Third year.

ETHNOLOGY.

A course in Ethnology.

Text-books: A. C. Hadden, *Wanderings of Peoples*, and *Races of Man;* J. Deniker, *Races of Man.*

Books for reference: Lord Avebury, *Prehistoric Times;* A. Keith, *Ancient Types of Man;* A. H. Keane, *Man, Past and Present;* W. Z. Ripley, *Races of Europe;* E. C. Semple, *Influences of Geographical Environment.* (1 hour a week.)

FOURTH YEAR

ENGLISH.

(a) English Literature since Tennyson.

Texts: *The Oxford Book of Victorian Verse*, Nos. 100, 101, 170, 175, 178, 193-198, 205-210, 214, 221, 230, 241, 244, 252, 254, 270, 274-5, 277, 282, 285, 290, 294, 304, 322, 329, 341, 346, 357, 390-1, 399-401, 422, 424, 426, 428, 433-4, 448, 455, 481, 493-4, 499, 503, 508, 516, 526, 531, 544-9, 558, 583-4, 598, 601-2, 616, 619, 625, 639, 643-5, 662-3, 666, 670, 674-9, 683, 689, 700, 702, 706-7, 709, 719-720, 723, 726-7, 730, 738-9, 742-3, 745-7, 751, 753-765, 770, 771, 776-9; *Georgian Poetry, 1911-1912*, pp. 3-72, 87-89, 106-110, 119-127, 193; Herbert Trench, *Lyrics and Narrative Poems* (Hodder and Stoughton), pp. 45, 55, 57, 80, 84, 105, 109, 115, 120, 130; some further selections from William Watson, Walter de la Mare and Richard Middleton; G. K. Chesterton, *The Victorian Age in Literature.*

(b) A short study of the period culminating in Chaucer.

Texts: Translations of Geoffrey of Monmouth (I.–III., IX.–X.) and Gottfried von Strassburg's *Tristan and Iseult;* Readings in *The Romance of the Rose* (Temple Translation), Dante (Temple Edition), *Piers Plowman*, Barbour's *Bruce*, Maundeville's *Travels*, Froissart (Globe Edition), Malory, and Gummere's *Ballads; Perle, Gawain and the Green Knight.*

(c) Chaucer's *Balades, Former Age, Book of the Duchesse, Parlement of Foules, Troilus and Criseyde* I., IV., V., Prologue to *Legend of Good Women, Canterbury Tales* (Prologue, framework, tales of the knight, prioress, *Sir Thopas*, the nonne preest, pardoner).

Good modernizations of some of the Middle English writers will be used where available. Reference will be made also to such writers as Wycliff, Gower, the Pastons, Petrarch, etc.

Works on the period: Saintsbury's *Periods of European Literature*, Vols. 1, 2 and 3; *Cambridge History of English Literature*, Vols. 1 and 2; Snell's *Age of Chaucer* and *Age of Transition* (Bell).

(d) English Literature since Ruskin.

Texts: R. L. Stevenson, *Talk and Talkers*; G. B. Shaw, *Fanny's First Play;* A. C. Bradley, *Poetry for Poetry's Sake;* G. L. Dickinson, *Greek Tragedy.*

(2 hours a week.)

Essays connected with the above course will be required during the session.

European and British History.

Period of study, 1700-1900 A.D.

Text-books: Robinson and Beard, *Development of Modern Europe*, two vols.; J. H. Rose, *Revolutionary and Napoleonic Era;* Green, Gardiner or Innes for English History; Robinson and Beard, *Readings in Modern European History;* E. P. Cheyney, *Readings in English History.*

A list of books for reference may be found under the Department of English and History, Third Year.

Term essays are required. (2 hours a week.)

Constitutional History of England.

Text-books: F. C. Montague, *Elements of English Constitutional History;* A. M. Chambers, *Constitutional History of England;* W. Stubbs, *Select Charters;* Adams and Stephens, *Select Documents.*

Constitutional History of Canada.

Text-books: A. R. Hassard, *Canadian Constitutional History and Law;* J. G. Bourinot, *Constitutional History*

of Canada; articles apportioned from *Canada and its Provinces.*

A list of reference books for both English and Canadian Constitutional History may be found under the Department of Political Science, Third Year. (2 hours a week).

French.

Grammar; dictation; translation from English into French; translation at sight from modern French; outlines of the history of French Literature in the nineteenth century.

An examination on the following texts: Hugo, *Hernani;* Augier, *Le Gendre de M. Poirier;* Berthon's *Specimens of Modern French Prose* (Macmillan). (4 hours a week.)

German.

Grammar; dictation; translation from English into German, translation at sight from modern German; outlines of the history of German literature from 1740.

An examination on the following texts: Freitag, *Soll und Haben;* Schiller, *Jungfrau von Orleans;* Ebner-Eschenbach, *Lotti die Uhrmacherin.*

(4 hours a week.)

Greek

1. Sophocles, *Ajax* (Jebb's edition, Cambridge Press); Euripides, *Iphigenia in Tauris* (Bates, American Book Co.); Aristophanes, *Clouds* (Merry, Oxford Press); Demosthenes, *De Corona* (Goodwin, Cambridge Press).

2. Composition—Sidgwick's *Greek Prose Composition* (Longman's, New York).

3. Sight Translation.

4. The social, religious and political life at Athens in the age of Pericles. (Lectures.)

(3 hours a week.)

Hebrew.

Composition; sight translation; pointing; general principles and laws of Hebrew poetry.

Introduction to poetical books; *Psalms* I., II., VIII., XIX., XXIII., XXIV., XXIX., XLV., XC. to XCIV., CXXI. to CXXVII.; *Proverbs,* I. to IV., VIII., XXV.; *Job,* III., XXVIII.; *Ecclesiastes,* XII.; *Lamentations,* I.

Grammar of Biblical Aramaic, with Biblical selections from the Book of Daniel, or additional selections from the poetical books. (2 hours a week).

LATIN.

1. Plautus, *Captivi* (ed. Elmer, Allyn & Bacon); Terence, *Andria* (ed. Sturtevant, American Book Co.); Catullus (ed. Simpson, Macmillan Co.); Cicero, *De Amicitia* and *De Senectute* (ed. Bennett, Sanborn & Co.)

2. Composition—Allen's *Second Latin Exercise Book* (Oxford Press.)

3. Sight Translation.

4. History of the Literature of the Republic. (Lectures.) (3 hours a week.)

ASTRONOMY.

An outline treatment of the main phenomena of our solar system. (2 hours a week).

N.B.—(a) Students in the general course who wish to take this subject are advised to choose mathematics and mechanics as their option for the second year.

(b) Students pursuing an honor course in Mathematics are advised to take this subject in the first year of their honor course.

CHEMISTRY.

Available only to students who have completed satisfactory work in First, Second and Third Year Chemistry. A review of quantitative analysis, both volumetric and gravimetric. Laboratory work will include chemical analysis of water, sewerage, air, milk and milk products, food, etc.

100 hours—Laboratory fee, $2.00—not returnable. Laboratory deposit, $5.00—returnable at end of session, minus deductions for breakage.

GEOLOGY.

Structural and Dynamic Geology—A course dealing with the geologic processes and their results.

Two lectures and two hours' practical work a week throughout the year.

CONSTITUTIONAL AND DIPLOMATIC HISTORY OF THE UNITED STATES.

This course will include (1) the study of the development

of colonial governments up to 1787, of the constitution then drawn up, and of the subsequent developments to the present time; (2) a general history of the diplomatic relations of the United States with other countries, especially with Britain and Canada.

Text-books and books of reference:

Bryce, *American Commonwealth*; *Cambridge Modern History* vol. VII.; Thorpe, *Short Constitutional History of the United States;* Thorpe, *Constitutional History of the United States*, 3 vols. (1901); C. E. Stevens, *Sources of the Constitution of the United States;* Foster, *A Century of American Diplomacy;* Hart, *Handbook of the History, Diplomacy and Government of the United States;* Poore, *Constitutions and Charters*; Burgess, *Reconstruction and the Constitution;* Oberholtzer, *The Referendum in America;* Beard, *Documents on the Initiative, Referendum and Recall.* (2 hours a week).

Modern Philosophy.

(a) German philosophy, with special reference to Kant and his disciples. Essays.

(b) English philosophy, with special reference to Mill and Spencer. Essays. (2 hours a week).

Texts and references furnished to extramural students on application to the Registrar.

Economics.

One of the courses under the Department of Political Science.

The Honor Courses

GENERAL REGULATIONS

23. There are five Honor Departments, viz.: I., Classics; II., Modern Languages; III., English and History; IV., Mathematics and Physics; V., Political Science.

24. Honor Courses shall extend over five years registered attendance from date of Junior (Pass) Matriculation, or four years from date of Senior (Honor) Matriculation.

25. A student in the General Course who has completed the first year of that course with not more than one star, and who has obtained at least fifty per cent. of the aggregate marks in the examination for that year, may enter upon the First Year of an Honor Course in any department in which he has not fallen below 65 per cent. on the examination for that year.

26. Candidates shall not have the right to claim examination in more than two Honor Courses after the first year.

27. In the annual class lists the names of candidates who obtain honors in any department or subject shall be arranged in order of merit in three classes; those obtaining seventy-five per cent. and over of the total number of marks being placed in the first class; those obtaining sixty-six per cent. and less than seventy-five per cent., being placed in the second class; and those obtaining fifty per cent. and less than sixty-six per cent., being placed in the third class.

28. The regular examinations will be held for the Honor Courses in May.

29. A candidate pursuing a course in an Honor department who falls below the third class in his department shall not be allowed standing for the year. But candidates whose average is not less than third class, but who have fallen below third class in any one subject, may, on the recommendation of the examiners, be allowed to proceed as Honor candidates in the following year.

30. A candidate who fails to obtain standing in his Honor Course may receive credit in the General Course on such conditions as the Senate may determine.

31. A candidate who competes for Honors at the examination for Bachelor of Arts, and fails to obtain the requisite number of marks to entitle him to be classed in Honors, may, on the recommendation of the examiners, be awarded a degree without Honors; it being at the option of the candidate to accept the award of such a degree, or to wait until a subsequent examination, and again compete for a degree in Honors.

32 An undergraduate who has obtained Honors in any department may, with the consent of the Senate, be transferred to any other department, and proceed therein; but as a prerequisite to obtaining the Degree of Bachelor of Arts, he must, during his course, have passed the examinations in the subjects of the General Course required in the Honor Department to which he is transferred.

THE COURSES

Department of Classics.

ADDITIONAL REQUIREMENTS—Candidates in this Department are required to take the following subjects of the General Course in addition to the work prescribed below.

First year—English, Mathematics, French or German or Hebrew, Biology.

Second year—English, History of Philosophy of the third year (the Ancient Philosophy), Psychology, the language already selected.

Third year—English, History.

FIRST YEAR

GREEK.

Euripides, *Iphigenia in Tauris;* Plato, *Apology* and *Crito;* Homer, *Iliad 1* and *6*.

Grammar, sight translation, prose, history (as of Ancient History of second year in the General Course—Botsford's *History of Greece.*) (4 hours a week).

LATIN.

1. Authors as of the first and second years of the General Course.

2. Composition as of second year of General Course.

3. Grammar, sight translation; history (as of Ancient History of second year in the General Course—Pelham's *History of Rome*). (4 hours a week).

SECOND YEAR

GREEK.

Euripides, *Medea;* Æschylus, *Prometheus Vinctus;* Thucydides 1; Herodotus, 7 and 8; Homer, *Iliad 9, 18, 22.*

Grammar, sight translation, prose, history to 431 B.C. (Holm, *History of Greece;* Grant, *Age of Pericles;* Greenidge, *Greek Constitutional History);* Greek Literature (Murray). (4 hours a week).

LATIN.

Elegiac Poets (Carter's Selections); Horace, *Epistles;* Cicero, *Letters;* Catullus, *Select Poems;* Cicero, *De Amicitia, De Senectute;* Pliny, *Letters.*

Grammar, sight translation, prose, history to 272 B.C. (Mommsen, 1 and 2; Ihne, *Early Rome);* Roman Literature (Mackail). (4 hours a week).

THIRD YEAR

GREEK.

Euripides, *Alcestis;* Sophocles, *Œdipus Rex, Antigone;* Plato, *Republic 1-5;* Thucydides, 2; Homer, *Odyssey 1-12;* Aristophanes, *Clouds.*

Sight translation, prose, history to 323 B.C. (Holm, *History of Greece;* Wheeler, *Alexander The Great),* Greek Literature (Murray), Philology (Giles), Private Life of the Greeks (Gardner & Jevons; Guhl & Koner). (5 hours a week).

LATIN.

Satire and Comedy.

Sight translation, prose, history 272 B.C. to 14 A.D. (Mommsen, 3, 4, 5; Beesley, *The Gracchi, Marius and Sulla;* Shuckburgh, *Augustus*), Roman Literature (Teuffel-Schwabe), Epigraphy (Egbert), Private Life of the Romans (Guhl & Koner, Becker, Johnston, Inge), Philology (Giles). (5 hours a week).

FOURTH YEAR

Greek.

Æschylus, *Agamemnon*; Sophocles, *Œdipus Coloneus*; Plato, *Phaedo, Republic 6–10;* Thucydides, 3, 4; Demosthenes, *De Corona*; Lysias, *Æschines.*

Sight translation, prose, history to 146 B.C. (Holm). Students will be expected to be familiar with problems of Greek life and thought to be gathered from such books as Rogers, Mayor or Marshall (History of Philosophy); Butcher, *Aspects of Greek Genius;* M. Arnold, *On Translating Homer;* Jebb, *Classical Greek Poetry;* Harrison & Verrall, *Monuments of Ancient Athens;* Moulton, *Classical Drama;* Warde-Fowler, *City State*; etc.

(7 hours a week).

Latin.

Vergil, *Bucolics* and *Æneid 7–12.*

History—Sallust; Livy 1, 21, 22; Tacitus, *Annals 1–6;* Suetonius (Selections).

Philosophy—Cicero, *De Officiis, Tusculans 1;* Lucretius 3, 5.

Sight translation, prose, history 14–476 A.D. (Bury, *The Student's Roman Empire;* Capes, *Early Empire and Age of the Antonines;* Gibbon, *Decline and Fall of the Roman Empire* chapters 1–28); Roman Literature (Teuffel-Schwabe); a knowledge of such books as—Glover, *Studies in Virgil;* Sellar, *Roman Poets of the Republic:* Horace; Abbott, *Roman Political Institutions;* Greenidge, *Roman Public Life*; etc. (7 hours a week).

Department of Modern Languages

DIVISION I.
Modern Languages and History

ADDITIONAL REQUIREMENTS:

First year—Latin, Mathematics.

Second year—Latin, History of the Third Year, Geology, Analytical Geometry.

Third year—Latin, Ethics, European and British History of the Fourth Year.

Fourth year—History: Outline history of the Arts and Sciences.

FIRST YEAR

PHONETICS.

Elementary physiological phonetics, with practical exercises in the sounds of the modern languages studied. (1 hour a week).

ENGLISH.

Essays and Literature as for the General Course, and in addition the critical study of Tennyson's *In Memoriam*, and of the selections from Lamb to Stevenson in *Selected English Essays* (Oxford University Press). (4 hours a week).

FRENCH

Grammar, pronunciation, conversation, translation into French, translation at sight from modern French.

Molière, *Les Femmes Savantes* and *Le Bourgeois Gentilhomme;* La Fontaine, *Fables*, Book 1.

Outlines of History of French Literature to middle of 16th century. (4 hours a week).

GERMAN.

Grammar, pronunciation, conversation, translation into German, translation at sight from modern German. An examination on Freitag's *Die Journalisten*. Outlines of the History of German Literature from 1740. (4 hours a week).

ITALIAN.

Grammar, pronunciation and oral exercises, dictation, translation into Italian; translation at sight from modern Italian.

Grandgent's Italian Grammar and Italian Composition.

Baccini, *Cristoforo Colombo;* Bacci e Gotti, *Le Glorie della Patria.* (3 hours a week).

SECOND YEAR

English.

Essays and Literature as for the General Course, with the addition of Bright's *Anglo-Saxon Reader* (Selections II., III., VI., XII., XV., XVI., XX., XXI., XXIII.).

Outlines of the History of the English language (Emerson). (4 hours a week).

French.

Grammar, dictation, conversation, translation from English into French, translation at sight. Narrative composition.

History of French Literature in the 17th century.

Corneille, *Le Cid;* Racine, *Andromaque;* La Bruyère, *Caractères* (de la Société et de la Conversation); Bossuet, *Oraisons Funèbres, Henriette d'Angleterre;* Molière, *Le Misanthrope, L'Avare, Les Précieuses Ridicules;* Boileau, *L'Art Poétique* (Cantos I., II., III.). (4 hours a week.)

German.

Grammar, dictation, conversation, translation from English into German, translation at sight. Narrative composition.

Outlines of the History of German Literature to 1740.

Schiller's *Wilhelm Tell;* Hatfield, *Lyrics and Ballads,* Parts II. and III.; Ebner-Eschenbach, *Ein Spätgeborener.* (4 hours a week.)

Italian.

Grammar, dictation, translation from English into Italian, translation at sight.

Grandgent's Italian Grammar and Italian Composition; Bowen's *Italian Reader.* (3 hours a week.)

THIRD YEAR

English.

Essays and Literature as for the General Course, with the addition of:

Literature as of Fourth Year in the General Course; Emerson's *History of the English Language.*

(4 hours a week).

FRENCH.

Grammar, translation into French, translation at sight, History of French Literature in the 18th century.

Le Sage, *Turcaret;* Voltaire, *Mérope, Zadig;* Rousseau, *Pages choisies des grands Ecrivains: J. J. Rousseau,* par Rocheblave, Parts III. and IV.; Diderot, *Extraits,* ed. Fallex, pp. 81-144; Marivaux, *le Jeu de l'Amour et du Hasard;* Beaumarchais, *le Barbier de Seville;* André Chénier, *Poésies choisies, à l'usage des classes,* par Becq de Fouquières: Hymnes et Odes; Chateaubriand, *Atala;* Madame de Stael, *de l'Allemagne,* Part II., chap. 1-15; *L'enfant espion et autres contes* (Amer. Book Co.).

Old French Grammar; elements of French phonology; *Chanson de Roland,* lines 1-365. (4 hours a week).

GERMAN.

Grammar, translation into German, translation at sight, a general acquaintance with German Literature from Gottsched to the death of Schiller.

Lessing, *Minna von Barnhelm;* Schiller, *Wilhelm Tell;* Goethe, *Hermann und Dorothea, Iphigenie;* Heine's *Prosa,* pp. 1-140 (ed. Colbeck); Klenze, *Deutsche Gedichte,* pp. 1-127.

(4 hours a week).

FOURTH YEAR

ENGLISH.

Essays and Literature as for the General Course, with the addition of:

(a) For critical study: Shakespeare: *Midsummer Night's Dream, King John, Othello* and *Coriolanus.* For careful reading: *Creation and Fall of Lucifer, Noah's Flood, Sacrifice of Isaac, Secunda Pastorum, Castell of Perseverance, Everyman, Thersytes* (Pollard's *Miracle Plays*); *Ralph Roister Doister;* Lyly, *Campaspe;* Green, *Friar Bacon;* Marlowe, *Tamburlaine,* Part I., *Edward II.;* Kyd, *Spanish Tragedy;* Jonson, *Every Man in his Humour;* Shakespeare, *Richard II., Richard III.,*

King Lear, Antony and Cleopatra; Milton, *Comus, Samson Agonistes, Arcades.*

(b) Elizabethan & Caroline Poetry, with special study of the selections in *The English Parnassus* and *Pageant of English Poetry* (Oxford University Press), from Sackville to Herrick, and Books I.-II. of Palgrave's *Golden Treasury of Songs and Lyrics;* also Spenser's *Faery Queene*, Book I.; Milton's *Paradise Lost*, Books I., II., IV.; and Hakluyt, Voyages of Gilbert and Drake, selections from Holland, North and Browne's *Religio Medici.* (5 hours a week).

FRENCH.

History of French Literature during the 19th Century; grammar; composition; translation at sight.

Lamartine, *Premières méditations poétiques*, Nos. I.-XV. (Lemerre); Hugo, *Les voix intérieures* I.-XXIV., *Notre Dame de Paris* (publ. Ginn & Co.), *Hernani;* Balzac, *Eugénie Grandet* (Calman Levy); Augier, *Le gendre de Monsieur Poirier;* Alphonse Daudet, *Tartarin sur les Alpes* (Collection Guillaume, Marpon et Flammarion); Taine, *Nouveaux Essais de Critique et d'Historie* (Balzac and Racine); Berthon, *Specimens of Modern French Prose;* Berthon, *Specimens of Modern French Verse*, pp. 75-177 (Macmillan). (3 hours a week.)

History of the French Language.

GERMAN.

Grammar, composition, translation at sight, a general acquaintance with the German Literature of the 19th century.

Schiller, *Jungfrau von Orleans;* Klenze, *Deutsche Gedichte*, pp. 131 to end; Goethe, *Faust*, Parts I. and II.; Grillparzer, *Sappho;* Ludwig, *Die Makkabaer;* Heine, *Poems* (ed. White); Ebner-Eschenbach, *Lotti, die Uhrmacherin;* Nichol's *Modern German Reader* (Holt & Co.), Nos. 3, 5, 7, 9, 10, 11, 14, 18, 22, 24, 25, 26, 31, 34, 35, 36.

Elements of Middle High German Grammar; History of Middle High German Literature. *Nibelungenlied*, Avv. I., V., XVI., XXIX., XXXIX. (4 hours a week.)

DIVISION II.
French and German

ADDITIONAL REQUIREMENTS:

First year—Latin, Mathematics.
Second year—English, Latin, Geology, History of the Third Year.
Third year—Latin, Ethics, European and British History of the Fourth Year.

FIRST YEAR

English, French, German, Italian and Phonetics as described for the Modern Languages and History Division.

SECOND YEAR

French, German and Italian as described for the Modern Languages and History Division.

THIRD YEAR

French and German as for the Modern Languages and History Division.

Italian.

Grammar; translation at sight from Modern Italian; translation from English into Italian; outlines of History of Italian Literature to Boiardo (Garnett).

Goldoni, *Un curioso Accidente;* Dante, *Vita Nuova;* Petrarca, Pages 233-252, and 257-260 of Torraca, *Manuale della Letteratura Italiana*, Vol. I.; Boccaccio, Pages 332-343, and 348-353 of Torraca.

FOURTH YEAR

French and German as for the Modern Languages and History Division.

Italian.

Dante, *Divina Commedia: Inferno*, cantos 1-6, 32-34; *Purgatorio*, cantos 1-6, 30, 31, 33; *Paradiso*,, cantos 30-33.

Ariosto, pp. 17-23, 26-30, 74-75, 87-88, 101-104, 117-118 in Torraca, Vol. II.; Tasso, pp. 142-157, 171-173, 189-192 in Torraca, Vol. II.; Manzoni, *I Promessi Sposi*, chap. 16 to end (Silver, Burdett ed.); grammar; translation at sight from older Italian. History of the Italian Language; elements of phonology and morphology.

History of Italian Literature from Ariosto to the present. (Garnett.)

Department of English and History

DIVISION I.
Classical Option

ADDITIONAL REQUIREMENTS:

First year—French or German or Hebrew, Mathematics, Biology.

Second year—Language already selected, Psychology, Analytical Geometry.

Third year—History of Philosophy (Ancient).

Fourth year—Roman Constitutional History.

Note.—A standing of 60 per cent. will be required in the Latin and Greek of this course, for Third Class Honors.

FIRST YEAR

ENGLISH.

Essays and Literature as for the General Course, and in addition the critical study of Tennyson's *In Memoriam*, and of the selections from Lamb to Stevenson, in *Selected English Essays*. (Oxford University Press). (4 hours a week.)

GREEK.

1. Selections from Plato, Thucydides, Herodotus and Xenophon.
2. Sight translation from the Greek historians.
3. Composition. (3 hours a week.)

LATIN.

1. Horace, *Odes 1;* Vergil, *Æneid 4;* Cicero, *Pro Lege Manilia* and selected *Letters*.
2. Composition and Grammar.
3. Sight Translation. (3 hours a week.)

HISTORY.

As for the General Course in the second year (Honors required). (2 hours a week.)

SECOND YEAR

ENGLISH.

Essays and Literature as for the General Course, with

the addition of Bright's *Anglo-Saxon Reader* (Selections II., III., VI., XII., XV., XVI., XX., XXI., XXIII.).

Outlines of the History of the English Language (Emerson). (4 hours a week).

GREEK.

1. Plato, *Apology;* Thucydides, 4; Herodotus, 7 and 8.
2. Grammar, composition and sight translation.

(3 hours a week).

LATIN.

1. Horace, *Odes;* Vergil, *Æneid 6;* Livy, 9, 21, 22.
2. Grammar, composition and sight translation.

(3 hours a week).

EUROPEAN AND BRITISH HISTORY.

(a) Period of study, 1100-1250 A.D.

Text-books: see under General Course, Third year. Additional reading: Jean de Joinville, *Memoirs of Saint Louis*, Vol. I. (Temple classics).

Books for reference: H. W. C. Davis, *England under the Normans and Angevins;* Viscount Bryce, *The Holy Roman Empire;* T. F. Tout, *The Empire and the Papacy;* Munro and Sellery, *Mediæval Civilizations.*

(b) Period of study, 1450-1600 A.D.

Text-books: see under General Course, Third year. Additional reading: *English History in Contemporary Poetry*, 1489-1588 (ed. N. K. Fraser).

Books for reference: W. S. Lilly, *Renaissance Types;* M. Whitcomb, *Source-Book of the Renaissance;* P. S. Allen, *The Age of Erasmus;* G. F. Pollard, *Henry VIII.;* A. D. Innes, *England under the Tudors;* W. Besant, *Gaspard de Coligny;* F. Harrison, *William the Silent; Cambridge Modern History*, Vols. I. and II.

Term essays are required. (2 hours a week.)

THIRD YEAR

ENGLISH.

Essays and Literature as for the General Course, with the addition of:

Literature as of Fourth Year in the General Course; Emerson's *History of the English Language.*

(4 hours a week.)

GREEK

1. Thucydides, 1, 2; Plato, *Republic 1 to 4.*

2. Special study of the period of the Athenian Empire (Grote, Holm; Grant, *Age of Pericles;* Greenidge, *Greek Constitutional History*, etc.)

3. Development of the Literature of Athens, with special reference to poetry. (3 hours a week.)

LATIN.

1. Plautus and Terence, selected Plays (two from each); Horace and Juvenal, *Satires.*

2. History of the Republic in detail, to Sulla's time (Mommsen; Beesley, *The Gracchi, Marius and Sulla;* etc.).

3. Literature of the Republic. (3 hours a week.)

EUROPEAN AND BRITISH HISTORY

Period of study, 1700-1900 A.D.

Text-books: see under General Course, Fourth Year. Additional reading, First Term: Arthur Young, *Travels in France;* Second Term: John Bright's *Speeches* (Everyman's Library).

Students are directed to the following books for reference: C. G. Robertson, *England under the Hanoverians;* J. A. R. Marriott, *England since Waterloo;* J. Morley, *Walpole;* E. Burke, *Essays on the American Question;* Lord Rosebery, *Pitt;* W. F. Monypenny (and G. E. Buckle), *Life of Benjamin Disraeli;* H. E. Egerton, *Canada; Canada and its Provinces* (selected portions); E. M. Hawksworth, *Last Century in Europe;* E. J. Lowell, *Eve of the Revolution;* J. C. Ropes, *The First Napoleon;* Pietro Orsi, *Cavour;* F. H. Skrine, *Expansion of Russia;* J. H. Rose, *Development of Modern European Nations;* Bismarck's *Autobiography; Cambridge Modern History*, Vols. VI.-XII.; *The War and Democracy* (Round Table Publications).

Term essays are required. (2 hours a week).

FOURTH YEAR

ENGLISH.

(a) For critical study: Shakespeare: *Midsummer Night's*

Dream, King John, Othello and *Coriolanus*. For careful reading: *Creation and Fall of Lucifer, Noah's Flood, Sacrifice of Isaac, Secunda Pastorum, Castell of Perseverance, Everyman, Thersytes* (Pollard's *Miracle Plays*); *Ralph Roister Doister;* Lyly, *Campaspe;* Green, *Friar Bacon;* Marlowe, *Tamburlaine*, Part I., *Edward II.;* Kyd, *Spanish Tragedy;* Jonson, *Every Man in his Humour;* Shakespeare, *Richard II., Richard III., King Lear, Antony and Cleopatra;* Milton, *Comus, Samson Agonistes, Arcades*.

(b) Elizabethan & Caroline Poetry, with special study of the selections in *The English Parnassus* and *Pageant of English Poetry* (Oxford University Press), from Sackville to Herrick, and Books I.-II. of Palgrave's *Golden Treasury of Songs and Lyrics;* also Spenser's *Faery Queene*, Book I.; Milton's *Paradise Lost*, Books I., II., IV.; and Hakluyt, Voyages of Gilbert and Drake, selections from Holland, North, and Browne's *Religio Medici*.

(c) Roe and Elliott, *English Prose* (Longmans); Wordsworth, *Preface to the Lyrical Ballads, Preface to the Edition of 1815;* Coleridge, *Biographia Literaria*, chaps. 4, 14, 15, 17-22; Carlyle, *History, Sartor Resartus, Biography*; Ruskin, *A Joy Forever, Unto this Last;* M. Arnold, *Culture and Anarchy, Study of Poetry, Democracy;* Jane Austen, *Pride and Prejudice;* Scott, *Ivanhoe;* Dickens, *David Copperfield;* Thackeray, *Esmond*,

(d) *Beowulf*, vv. 1250-1650 to be studied critically in the original (Wyatt's edition); a general knowledge of the remainder of the poem will be expected, which may be gained from Hall's, Earl's, Garnett's or Child's translation.

(e) Historical English Grammar (Sweet).

(6 hours a week.)

GREEK.

1. Demosthenes, *De Corona;* Æschines, *Lysias*; Thucydides, Book 3 and the Sicilian Expedition.

2. Special study of the history of the Hellenistic period.

3. Literary History of Athens with special reference to prose. (3 hours a week.)

LATIN

1. Cæsar, *Civil War* and parts of the *Gallic War;* Cornelius Nepos; Sallust, *Catiline;* Cicero, *In Catilinam;* Tacitus, *Annals 1, 2;* Suetonius, *Augustus*.

2. History of the last two years of the Republic and the Empire to 220 A.D.

3. Literary History of the Empire. (3 hours a week.)

HISTORY

(a) A course in Historical Philosophy and Methods.

Text-books: G. Hegel, *Philosophy of History* (Morris); F. Harrison, *The Meaning of History;* K. Lamprecht, *What is History?*

Books for reference: Aristotle's *Politics;* T. Hobbes, *The Leviathan;* Lord Acton, *The Study of History;* Langlois and Seignobos, *Introduction to the Study of History.*

(b) The History of Canada since Confederation.

Text-books: George Bryce, *Short History of the Canadian People;* H. E. Egerton, *Canada; Canada and its Provinces* (selected portions).

Additional reading (1915-16): Sir Jos. Pope, *The Day of Sir John Macdonald* (*Chronicles of Canada*).

(c) United States History since 1763.

Text-books: Woodrow Wilson, *History of the American People;* F. N. Thorpe, *A Short Constitutional History of the United States;* J. W. Foster, *A Century of American Diplomacy.* (3 hours a week.)

DIVISION II.
Moderns Option

ADDITIONAL REQUIREMENTS:

First year—Latin, Mathematics, Biology.
Second year—Latin, Psychology, Analytical Geometry.
Third year—Elements of Ethnology.
Fourth year—Outline History of the Arts and Sciences.

FIRST YEAR

ENGLISH.

Essays and Literature as for the General Course, and in addition the critical study of Tennyson's *In Memoriam*, and of the selections from Lamb to Stevenson in *Selected English Essays* (Oxford University Press). (4 hours a week.)

FRENCH.

Grammar, pronunciation, conversation, translation into French, translation at sight from modern French.

Molière, *Les Femmes Savantes* and *Le Bourgeois Gentilhomme;* La Fontaine, *Fables*, Book 1.

Outlines of History of French Literature to middle of 16th century. (4 hours a week.)

GERMAN.

Grammar, pronunciation, conversation, translation into German, translation at sight from modern German. An examination on Freitag's *Die Journalisten.* Outlines of the History of German Literature from 1740.

(4 hours a week.)

ANCIENT HISTORY.

As for the Second Year in the General Course. (Honors required.)

SECOND YEAR

ENGLISH.

Essays and Literature as for the General Course, with the addition of Bright's *Anglo-Saxon Reader* (Selections II., III., VI., XII., XV., XVI., XX., XXI., XXIII.).

Outlines of the History of the English language (Emerson) (4 hours a week.)

FRENCH.

Grammar, dicattion, conversation, translation from English into French, translation at sight. Narrative composition.

History of French Literature in the 17th century.

Corneille, *Le Cid;* Racine, *Andromaque;* La Bruyère, *Caractères* (de la Société et de la Conversation); Bossuet, *Oraisons funèbres, Henriette d'Angleterre;* Molière, *Le misanthrope, L'Avare, Les précieuses ridicules;* Boileau, *L'Art poétique* (Cantos I., II., III.). (4 hours a week).

GERMAN.

Grammar, dictation, conversation, translation from English into German, translation at sight. Narrative composition.

Outlines of the History of German Literature to 1740.

Schiller's *Wilhelm Tell;* Hatfield, *Lyrics and Ballads,* Parts II., and III.; Ebner-Eschenbach, *Ein Spätgeborener.*

(4 hours a week.)

HISTORY.

EUROPEAN AND BRITISH HISTORY.

(a) Period of study, 1100-1250 A.D.

Text-books: see under General Course, Third year. Additional reading: Jean de Joinville, *Memoirs of Saint Louis,* Vol. I. (Temple classics).

Books for reference: H. W. C. Davis, *England under the Normans and Angevins;* Viscount Bryce, *The Holy Roman Empire;* T. F. Tout, *The Empire and the Papacy;* Munro and Sellery, *Mediæval Civilizations.*

(b) Period of study, 1450-1600 A.D.

Text-books: see under General Course, Third year. Additional reading: *English History in Contemporary Poetry,* 1489-1588 (ed. N. K. Fraser).

Books for reference: W. S. Lilly, *Renaissance Types;* M. Whitcomb, *Source-Book of the Renaissance;* P. S. Allen, *The Age of Erasmus;* G. F. Pollard, *Henry VIII.;* A. D. Innes, *England under the Tudors;* W. Besant, *Gaspard de Coligny;* F. Harrison, *William the Silent; Cambridge Modern History,* Vols. I. and II.

Term essays are required. (2 hours a week.)

THIRD YEAR

ENGLISH.

Essays and Literature as for the General Course, with the addition of:

Literature as of Fourth Year in the General Course; Emerson's *History of the English Language.*

(4 hours a week.)

FRENCH.

Grammar, translation into French, translation at sight, History of French Literature in the 18th century.

Le Sage, *Turcaret;* Voltaire, *Mérope, Zadig;* Rousseau, *Pages choisies des grands Ecrivains: J. J. Rousseau,* par Rocheblave, Parts III. and IV.; Diderot, *Extraits,* ed. Fallex, pp. 81-144; Marivaux, *le Jeu de l'Amour et du Hasard;* Beaumarchais, *le Barbier de Seville;* André Chénier, *Poésies*

choisies, à l'usage des classes, par Becq de Fouquières: Hymnes et Odes; Chateaubriand, *Atala;* Madame de Stael, *de l'Allemagne*, Part II., chap. 1.-15.; *L'enfant espion et autres contes* (Amer. Book Co.). (4 hours a week.)

GERMAN.

Grammar, translation into German, translation at sight, a general acquaintance with German Literature from Gottsched to the death of Schiller.

Lessing, *Minna von Barnhelm;* Schiller, *Wilhelm Tell;* Goethe, *Hermann und Dorothea, Iphigenie;* Heine's *Prosa*, pp. 1-140 (ed. Colbeck); Klenze, *Deutsche Gedichte*, pp. 1-127. (4 hours a week.)

EUROPEAN AND BRITISH HISTORY.

Period of study, 1700-1900 A.D.

Text-books: see under General Course, Fourth Year. Additional reading, First Term: Arthur Young, *Travels in France*; Second Term: John Bright's *Speeches* (Everyman's Library).

Students are directed to the following books for reference: C. G. Robertson, *England under the Hanoverians;* J. A. R. Marriott, *England since Waterloo;* J. Morley, *Walpole;* E. Burke, *Essays on the American Question;* Lord Rosebery, *Pitt;* W. F. Monypenny (and G. E. Buckle), *Life of Benjamin Disraeli;* H. E. Egerton, *Canada; Canada and its Provinces* (selected portions); E. M. Hawksworth, *Last Century in Europe;* E. J. Lowell, *Eve of the Revolution;* J. C. Ropes, *The First Napoleon;* Pietro Orsi, *Cavour;* F. H. Skrine, *Expansion of Russia;* J. H. Rose, *Development of Modern European Nations;* Bismarck's *Autobiography; Cambridge Modern History*, Vols. VI-XII.; *The War and Democracy* (Round Table Publications).

Term essays are required. (2 hours a week.)

FOURTH YEAR

ENGLISH.

(a) For critical study: Shakespeare: *Midsummer Night's Dream, King John, Othello* and *Coriolanus*. For careful reading: *Creation and Fall of Lucifer, Noah's Flood, Sacrifice of Isaac, Secunda Pastorum, Castell of Perseverance, Everyman,*

Thersytes (Pollard's *Miracle Plays); Ralph Roister Doister;* Lyly, *Campaspe;* Green, *Friar Bacon;* Marlowe, *Tamburlaine,* Part I., *Edward II.;* Kyd, *Spanish Tragedy;* Jonson, *Every Man in his Humour;* Shakespeare, *Richard II., Richard III., King Lear, Antony and Cleopatra;* Milton, *Comus, Samson Agonistes, Arcades.*

(b) Elizabethan & Caroline Poetry, with special study of the selections in *The English Parnassus* and *Pageant of English Poetry* (Oxford University Press), from Sackville to Herrick, and Books I.-II. of Palgrave's *Golden Treasury of Songs and Lyrics;* also Spenser's *Faery Queene,* Book I.; Milton's *Paradise Lost,* Books I., II., IV.; and Hakluyt, Voyages of Gilbert and Drake, selections from Holland, North, and Browne's *Religio Medici.*

(c) Roe and Elliott, *English Prose* (Longmans); Wordsworth, *Preface to the Lyrical Ballads, Preface to the Edition of 1815;* Coleridge, *Biographia Literaria,* chaps. 4, 14, 15, 17-22; Carlyle, *History, Sartor Resartus, Biography;* Ruskin, *A Joy Forever, Unto this Last;* M. Arnold, *Culture and Anarchy, Study of Poetry, Democracy;* Jane Austen, *Pride and Prejudice;* Scott, *Ivanhoe;* Dickens, *David Copperfield;* Thackeray, *Esmond.*

(d) *Beowulf,* vv. 1250-1650 to be studied critically in the original (Wyatt's edition); a general knowledge of the remainder of the poem will be expected, which may be gained from Hall's, Earl's, Garnett's or Child's translation

(6 hours a week.)

French.

History of French Literature during the 19th Century; grammar; translation at sight.

Lamartine, *Premières méditations poétiques,* Nos. I.–XV. (Lemerre); Hugo, *Les voix intérieures* I.–XXIV., *Notre Dame de Paris* (publ. Ginn & Co.), *Hernani;* Balzac, *Eugénie Grandet* (Calman Levy); Augier, *le Gendre de Monsieur Poirier;* Alphonse Daudet, *Tartarin sur les Alpes* (Collection Guillaume, Marpon et Flammarion); Taine, *Nouveaux essais de critique et d'histoire* (Balzac and Racine); Berthon, *Specimens of Modern French Prose;* Berthon, *Specimens of Modern French Verse,* pp. 75–177 (Macmillan). (3 hours a week.)

GERMAN.

Grammar, translation at sight. a general acquaintance with the German Literature of the 19th century.

Schiller, *Jungfrau von Orleans;* Klenze, *Deutsche Gedichte*, pp. 131 to end; Goethe, *Faust*, Parts I. and II.; Grillparzer, *Sappho;* Ludwig, *Die Makkabäer;* Heine, *Poems* (ed. White); Ebner-Eschenbach, *Lotti, die Uhrmacherin;* Nichol's *Modern German Reader* (Holt), nos. 3, 5, 7, 9, 10, 11, 14, 18, 22, 24, 25, 26, 31, 34, 35, 36.

(3 hours a week.)

HISTORY.

(a) A course in Historical Philosophy and Methods.

Text-books: G. Hegel, *Philosophy of History* (Morris); F. Harrison, *The Meaning of History;* K. Lamprecht, *What is History?*

Books for reference: Aristotle's *Politics;* T. Hobbes, *The Leviathan;* Lord Acton, *The Study of History;* Langlois and Seignobos, *Introduction to the Study of History.*

(b) The History of Canada since Confederation.

Text-books: George Bryce, *Short History of the Canadian People;* H. E. Egerton, *Canada; Canada and its Provinces* (selected portions).

Additional reading (1915-16): Sir Jos. Pope, *The Day of Sir John Macdonald* (Chronicles of Canada).

(c) United States History since 1763.

Text-books: Woodrow Wilson, *History of the American People;* F. N. Thorpe, *A Short Constitutional History of the United States;* J. W. Foster, *A Century of American Diplomacy.* (3 hours a week).

Department of Mathematics and Physics

ADDITIONAL REQUIREMENTS:

First year—Latin, English Literature, English Composition, French or German or Biology.

Second year—English Composition, French or German, Geology.

FIRST YEAR

ALGEBRA.

The subject as treated in Hall and Knight's Higher Algebra, pp. 187-340. (1 hour a week).

References: C. Smith, *Treatise on Algebra;* Chrystal, *Algebra.*

GEOMETRY.

(a) Synthetic Plane Geometry. (1 hour a week.)

Texts: Dupuis, *Elements of Synthetic Geometry;* C. Smith, *Geometrical Conics.*

(b) Analytical Plane Geometry. (2 hours a week.)

Text: C. Smith, *Conic Sections.*

TRIGONOMETRY.

The subject as contained in Locke's *Trigonometry,* Part II. (1 hour a week.)

CALCULUS.

Elementary, Differential, and Integral Calculus; Applications. (1 hour a week.)

MECHANICS AND HEAT.

Conditions of equilibrium and equations of motion of a particle in a plane, with applications; treatment of the laws of force, hydrodynamics and hydrostatics without the use of calculus; elementary applications of calculus to the above; nature and effects of heat, elementary principles of thermodynamics and radiation, measurements of high temperatures.

Texts and references will be indicated to meet the needs of the class.

Two lectures, two laboratory hours per week.

SECOND YEAR

ALGEBRA.

The subject as treated in Hall and Knight's *Higher Algebra,* pp. 340-489, with suitable modifications and extensions. (1 hour a week.)

References: C. Smith, *Treatise on Algebra;* Chrystal, *Algebra;* L. G. Weld, *Theory of Determinants;* Burnside and Panton, *Theory of Equations,* Vol. I.

GEOMETRY.

(a) Analytical Plane Geometry: advanced course. (2 hours a week.)

Texts: C. Smith, *Conic Sections;* Salmon, *Conic Sections.*

(b) Synthetic Solid Geometry. (1 hour a week, one term.)

Text: Dupuis, *Synthetic Solid Geometry.*

(c) Analytical Solid Geometry. (1 hour a week.)

Text: C. Smith, *Solid Geometry.*

TRIGONOMETRY.

Spherical Trigonometry, with applications to Astronomy. (1 hour a week.)

Texts: Dupuis and Matheson, *Spherical Trigonometry;* Barlow and Bryan, *Elementary Mathematical Astronomy.*

CALCULUS.

Differential and Integral: advanced course.

Texts: Williamson, Edwards. (2 hours a week.)

MECHANICS.

(a) Newton's *Principia.*

Text: Frost's *Principia.*

(b) Mechanics.

(c) Electricity and Magnetism.

This course will treat Statical and Dynamical relations by the aid of the Calculus.

Texts: Henry Crew, *The Principles of Mechanics;* R. W. Stewart, *Higher Text-book of Magnetism and Electricity.*

GEOMETRICAL AND PHYSICAL OPTICS.

Laws of reflection and refraction with their application to optical measuring instruments; theory of refraction and dispersion; achromatism, spectroscopy, interference and refraction phenomena, polarization and double refraction.

Two lectures, two laboratory hours per week.

Department of Political Science

ADDITIONAL REQUIREMENTS:

First year—The course is the same as for the General Course, but students must obtain an average of 55 per cent. on Mathematics in order to gain admission to the honor classes of the second year. Students are advised to take the classes in both modern languages.

Second year—English; Latin; Psychology; one of the following: French, German, Greek, Hebrew, Chemistry.

Third year: English; Ethics; one language.

Fourth year—English; Constitutional and Diplomatic History of the United States, or any one language.

SECOND YEAR

Political Economy

The elements.

Text-books: C. Gide, *Principles of Political Economy*, or F. W. Taussig, *Principles of Economics;* C. J. Bullock, *Selected Readings in Economics;* J. G. Bartholomew, *Advanced Economic Atlas.*

The works of Adam Smith, Ricardo, Mill, Marx, Boehm-Bawerk, Marshall, Smart, Nicholson, Ely, as books for reference.

Essays are required.

History

(a) The Industrial History of Canada since Confederation.

Text-book: *Canada and its Provinces* (General Economic History, 1867-1912).

(b) Ancient History.

As for the General Course in the Second Year (Honors required).

Mathematics

Conic Sections (C. Smith, Salmon).

THIRD YEAR

Political Economy

Advanced Courses in the following subjects: Money; Banking; Domestic and Foreign Exchange; Public Finance; Taxation; and Statistical Methods.

Text-books: D. A. Barker, *Theory of Money* (Cambridge Manuals); J. F. Johnson, *Money and Currency;* Stewart-Patterson and Escher, *Banking Practice and Foreign Exchange;* G. C. Plehn, *Introduction to Public Finance;* H. Lyon, *Principles of Taxation;* W. I. King, *Elements of Statistical Method.*

Books for reference: H. Withers, *Meaning of Money;* W. S. Jevons, *Money and the Mechanism of Exchange;* G. J. Goschen, *Theory of the Foreign Exchanges;* C. F. Bastable, *Public Finance;* A. L. Bowley, *Elements of Statistics;* E. R. A. Seligman, *Essays on Taxation; Canada and its Prov-*

inces (selected portions).

Term essays on themes relating to Political Economy are required.

HISTORY

(a) The Economic History of Great Britain, various European countries, and the United States of America.

Text-books: M. Briggs, *Economic History of England;* H. de B. Gibbons, *History of Commerce in Europe;* K. Coman, *Industrial History of the United States;* Bland, Brown and Tawney, *English Economic History, Select Documents.*

Books for reference: W. Cunningham, *Outlines of English Industrial History;* E. P. Cheyney, *Introduction to the Industrial and Social History of England;* E. L. Bogart, *Economic History of the United States.*

(b) The Constitutional History of England.

Text-books: see under General Course, Fourth Year.

Books for reference: T. P. Taswell-Langmead, *English Constitutional History;* W. F. Maitland, *Constitutional History of England;* W. Stubbs, *Constitutional History of England.*

(c) The Constitutional History of Canada.

Text-books: see under General Course, Fourth Year.

Books for reference: Egerton and Grant, *Canadian Constitutional Development;* F. Bradshaw, *Self-Government in Canada;* The Earl of Durham's *Report on Canada;* Sir Richard Cartwright, *Reminiscences;* Sir Chas. Tupper, *Recollections.*

(d) European and British History.

See under English and History Department, Second Year.

ROMAN LAW

Text-books to be prescribed by Law Lecturer.

ENGLISH LAW

Text-books to be prescribed by Law Lecturer.

FOURTH YEAR

(To be amplified later.)

POLITICAL ECONOMY

(a) Labor conditions and problems; Socialism; Syndicalism.

(b) Economic Theories in relation to: (1) Wages; (2) Capital and Interest; (3) International Trade and Tariff Systems.

(c) Literary and commercial journalism: An introduction.

History

European and British History: see under the Department of English and History, Third Year.

Political Philosophy

(a) Jurisprudence: The Law of the English Constitution.

(b) Public International Law: The constitutional systems of the leading British Colonies and various foreign countries.

The Degree of Master of Arts

33. A candidate must be of at least one year's standing as Bachelor of Arts in this or any other University whose degree of Bachelor of Arts is accepted by the Senate of this University.

34. A candidate who obtained Honors at graduation may, on subsequently obtaining Honors at the examination of the Fourth Year in a course other than that in which he obtained Honors at graduation—the selection of such course to be approved by the Senate—be granted the degree of Master of Arts.

35. A candidate who at graduation obtains First-class Honors in two Honor Courses may, when the selection of courses has been approved by the Senate, without further examination, be granted the degree of Master of Arts.

36. A candidate who has obtained a degree in the General Course, not falling in his Fourth Year below Grade B in more than two subjects, or a candidate who has received his degree in an Honor Course, may receive the degree of Master of Arts on presenting a thesis adjudged to be of sufficient merit, containing the results of some special study or investigation of any subject approved by the professors and heads of the department or departments in the University in which the subject of the thesis lies. The candidate shall be required to undergo a written or oral examination on the subject of the thesis conducted by the professors and heads of the departments concerned, such written or oral examinations to be held during the annual examinations.

37. Notice of the subject which the candidate proposes to take for his thesis must be given to the Registrar on or before the first day of January, and the thesis must be presented on or before the first day of April.

38. It is recommended that the copy of the thesis presented by the candidate for the degree of Master of Arts be either printed or typewritten. When the degree is conferred, the thesis becomes the property of the University.

N.B.—It is anticipated that the requirements for the M.A. degree will be wholly changed for following years.

Admission "Ad Eundem Gradum."

39. A graduate in the Faculty of Arts in any University (if his degree be not an honorary one) may be admitted, if approved, to the same degree in the Western University.

General Information

FEES

The following fees are payable to the Bursar, through the President:

For instruction, full course, per year	Forty-five	Dollars
For each major subject (taken separately), per year	Eight	"
For each minor subject (taken separately), per year	Five	"
For Physical Training	Five	"
For Admission Examination	Five	"
For each May Examination after Matriculation	Five	"
For May Examination in one subject	Two	"
For May Examination in two subjects	Four	"
For May Examination, due to failure to pass part or the whole of the January Examination	Two	"
For Supplemental Examination in May, each subject	Two	"
For Supplemental Examination in September	Five	"
For Examination at a local centre	Ten	"
For Examination at dates other than May and September	Ten	"
For appeal, to be returned if appeal is allowed	Five	"
For change of Faculty	Five	"
For Admission "ad eundem statum"	Five	"
For Certificate of Standing for admission "ad eundem" to other universities	Two	"
For annual enrolment, extramural student only	Ten	"
For annual enrolment in Arts, extramural medical student	Five	"
For course for B.A., M.D., first year	Thirty	"
second, third and fourth years, each	Twenty	"
For the Degree of B.A.	Ten	"
For the Degree of M.A.	Twenty	"

NOTE 1.—A supplemental examination is an examination set on work in which a student has failed in a preceding year. No supplemental examination will be given within three months of failure.

NOTE 2.—All fees for instruction are payable as follows: One-half by October 15th, and one-half by January 15th. Students must register and pay the fee for examination before presenting themselves for examination.

NOTE 3.—A major subject involves at least two hours class work a week; a minor, one hour a week. English Composition, by exception, is a major subject.

MEDALS, SCHOLARSHIPS AND PRIZES

The following medals, scholarships and prizes were offered for the year 1914-1915:

Governor-General's Medal for General Proficiency in the Fourth Year.

The U. A. Buchner Gold Medal for the highest standing in Second Year Mathematics.

A Gold Medal, for English Composition, presented by the London Typographical Union.

Scholarship of seventy-five dollars for the highest standing in Third Year Honor English and History.

Scholarship of seventy-five dollars for the highest standing in Second Year Honor English and History.

Scholarship of seventy-five dollars for the highest standing in First Year Honor English and History.

Scholarship of fifty dollars for the highest standing in Fourth Year General Proficiency in the General Course.

Scholarship of fifty dollars for the highest standing in Third Year General Proficiency in the General Course.

Scholarship of fifty dollars for the highest standing in Second Year General Proficiency in te General Couase.

Scholarship of fifty dollars for the highest standing in First Year General Proficiency in the General Course.

Alumnæ Scholarship of forty-five dollars for highest standing in the Department of English and History, Third Year.

Prize of ten dollars for the highest standing in Fourth Year Constitutional History of England and Canada.

Prize of ten dollars for the highest standing in Third Year English.

Prize of ten dollars for the highest standing in Third Year History of Philosophy.

Prize of ten dollars for the highest standing in Second Year French.

Prize of ten dollars for the highest standing in Second Year German.

Prize of ten dollars for the highest standing in Second Year Greek.

Prize of ten dollars for the highest standing in Second Year Latin.

W. W. Tamblyn Prize of ten dollars for the highest standing in Elocution and Public Speaking.

A corresponding number of scholarships has been guaranteed for 1915-1916. It is possible that the number may be increased, especially if there be new demands for Honor Courses.

LIBRARY AND LABORATORIES

In addition to the well-equipped Chemical Laboratory, which is now available at the Institution of Public Health, arrangements are being made for the immediate installation of two new Laboratories, one in Physics and one in Biology.

STUDENTS' ORGANIZATIONS

The Western University Athletic Society

President.....A. J. Ireland, '16
Secretary.....R. S. Murray, '17
Treasurer.....R. J. Kain, '16

The Literary Society

President.....R. J. Kain, '16
Vice-President.....Miss K. J. Wardrope, '16.
Secretary.....Miss N. Cousins, '16.

The Areopagus Club (Debating)

President.....H. Payne, '16
Secretary.....F. H. Curran, '17

The Western University Gazette

Students' Medical Society

The Political Science Club

The Y. W. C. A.

The Y. M. C. A.

HOODS

B.A.—Black stuff trimmed with white fur, with a narrow blue cord running about one inch from the edge on the outside of the hood.

M.A.—Black silk lined with dark blue silk, and blue cord as above. Cambridge shape for all hoods.

Appendix

THE FACULTY OF MEDICINE

The thirty-fourth session of the Medical Department of the Western University will begin on October 1, 1915. Supplemental examinations will be given on September 30 and lectures will begin on October 4. Registration should be completed on October 1; after October 4 a penalty is imposed for each day's delay.

Work in Physiology, Pharmacology and Anatomy will be conducted by full-time men in the Medical School Building where much new equipment has been provided for work in these departments. Work in Public Health, Pathology, Bacteriology, Chemistry and Physics will be carried on at the Institute of Public Health by full-time men.

Excellent opportunity is afforded at Victoria Hospital for the study of diseases common to this climate and for work in Surgery. Bedside teaching is also available at St. Joseph's Hospital, the Insane Asylum and the Byron Sanatorium.

A certificate of having passed the Junior Matriculation Examination conducted by the Education Department of Ontario (or its equivalent) is required for entrance into the Medical Department. Senior Matriculation including work in Biology, Chemistry and Physics is strongly urged.

The calendar and other information concerning the Medical Department may be obtained by addressing, The Medical School, York and Waterloo Streets, London, Ont.

THE INSTITUTE OF PUBLIC HEALTH

The Institute of Public Health has been established by the Ontario Government and is maintained by a provincial appropriation under the control of the Board of Governors of Western University. In the Institute laboratories are

performed the public health analyses for the western part of the Province. These consist of certain examinations in connection with diphtheria, tuberculosis, typhoid fever, and rabies, and with water sewage, milk, etc., which the Provincial Board of Health has arranged to have done free of charge. Other work is performed for physicians at a nominal fee. Analyses for industrial and commercial purposes are also undertaken. Besides doing public health and laboratory work, the staff of the Institute avail themselves of opportunities for the instruction of the public in all matters relating to the prevention of disease and the promotion of health, by lecturing before various clubs and societies.

The Institute is organized into divisions, the heads of which act as the heads of corresponding departments in the University. Through this connection, the students in Arts receive their instruction in Public Health, Bacteriology and Chemistry in the Institute laboratories. The course in Public Health and Bacteriology aims to furnish knowledge of very practical value to the individual and to render more comprehensible to the student the modern efforts to improve the public health.

DEGREES CONFERRED

1915

M.A.—Miss Hazel G. Tanner (B.A., 1914), London; H. B. Metcalf (B.A., 1914), London; Rev. A. J. Rolfe, B.A., Sydney, N. S. W.

B.A.—Misses L. M. Bell, Welland; K. E. Broderick, London; V. M. Carrothers, London; B. F. Fraser, London; A. K. E. Kenyon, Toronto; D. L. Liddicoatt, London; P. Stanley, Lucan; M. M. Skelton, London; Messrs. W. J. C. Belch, London; R. E. Charles, Brantford; C. W. D. Cosens, London; C. W. Foreman, Lucan; P. W. Graham, London; Rev. S. S. Hardy, Toronto; R. J. Lee, London; D. D. MacDonald, Toronto; G. H. J. Pearson, London.

MEDAL, SCHOLARSHIP AND PRIZE WINNERS

1915

Fourth Year General Proficiency—Governor-General's Medal—Miss L. M. Bell.

Fourth Year General Proficiency Scholarship—R. E. Charles.

Canadian History Research Scholarship—Miss L. M. Bell.

Fourth Year Prize for English and Canadian Constitutional History—Miss B. F. Fraser.

Third Year Scholarship for Honor English and History —Miss K. J. Wardrope.

Third Year General Proficiency Scholarship—H. Payne.

Alumnae Scholarship for Department of English and History in the Third Year—Miss M. Weir.

Third Year Prize for English—W. C. Martin.

Third Year Prize for History of Philosophy—J. H. Whealen.

Second Year Scholarship for Honor English and History Miss D. Turville.

Second Year Scholarship for Political Science—F. H. Curran.

Second Year General Proficiency Scholarship—Miss L. O. Gaiser.

U. A. Buchner Gold Medal for Second Year Mathematics—Miss C. L. Vrooman.

Second Year Prize for Latin—Miss E. M. Appleyard.

Second Year Prize for French—W. R. Matthews.

First Year General Proficiency Scholarship—A. G. Jacques.

W. W. Tamblyn Prize for Elocution and Public Speaking —B. Hannah.

STUDENTS IN ARTS

Enrolled 1914–1915.

M. A. Classes

H. B. Metcalf B.A.
Rev. A. J. Rolfe (extra-mural)
Hazel G. Tanner B.A.
Total—3

Fourth year

W. J. C. Belch
Lily M. Bell
Kathleen E. Broderick
Veda M. Carrothers
R. E. Charles
C. W. D. Cosens
C. W. Foreman
Bertha F. Fraser
P. W. Graham
R. J. Lee
Doris L. Liddicoatt
G. H. J. Pearson (Med. Arts)
C. Simpson
Minnie M. Skelton
Total—17

Third year

Gertrude L. Bodkin
Nellie I. Cousins
Laura Foster
H. O. Foucar (Med. Arts)
C. M. C. Hallowell
R. Hannah
Edna Holland
J. V. Hughes (Med. Arts)
S. R. Hunt
A. E. W. Ingram
R. J. Kain
Mary B. Kenny (extra-mural)
R. C. Kingswood (Med. Arts)
W. C. Martin
W. R. Matthews (Med. Arts)
J. N. H. Mills
W. B. Moulton
H. Payne
E. H. Stephenson
G. H. Vrooman
Katharine J. Wardrope
Edith Waugh
Martha F. I. Weir
E. B. Westby
J. H. Whealen
Total—25

Second year

L. Mildred Anthistle
Edith M. Appleyard
R. M. P. Bulteel
R. E. Crouch
F. H. Curran
W. Davis
G. C. Elgie
D. H. Ewen
Lulu O. Gaiser
E. A. R. Garrett
F. G. Hardy
Helen R. Harvey
J. S. Ritchie
Myrtle M. Rowntree
Dorothy A. Turville
Caroline L. Vrooman
W. F. D. Smith
Frances Steer
Total—18

First year

Jean Balfour
Carrie E. Beer
G. A. P. Brickenden
M. E. Druker (Med. Arts)
A. E. DuPlan
Ann I. Garrett
R. C. Guest
Constance A. Haskett
Kathleen M. Holland
A. G. Jacques
C. M. Kennedy (Med. Arts)
B. W. McDougall (Med. Arts)
J. F. McMillan
I. O. Miller
Norma A. Murphy
M. W. Pollick
Jean Purdom
Margaret Purdom

A. Shaw
W. F. Smith (extra-mural)
L. J. Stones
Margery Talbot
Elizabeth I. Tanton
C. F. Wright, M.D. (extra-mural)
Jennie Wright
Total—25

Total number of Students in full Arts Course—85

Special Students

Dorothy A. Bray
J. Chapman
Gertrude Coates
Laura O. Cook
Mabel F. Dexter
W. A. Edwards
S. Harris
G. M. Jackson
Helen R. Laur
A. P. McAvoy
A. E. McKay
S. F. Maine
Gladys Manning
Elsie E. Mathewson
A. S. Mitchell
Gertrude Rowntree
W. L. Salmon
Muriel R. Saunders
W. P. Simpson
C. B. Smith
W. D. Smyth
Margaret M. Stanley
Blanche I. Thomson
Jean R. Waugh
Guinevere B. Weekes
Ora White
Gertrude Williams
Willa Winnett
Total—28

Total number of all Students enrolled—113