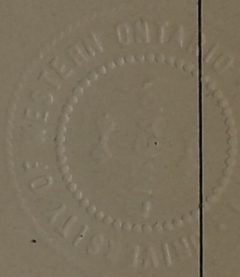
THE WESTERN UNIVERSITY
OF LONDON, ONTARIO

Arts Department Calendar

1916-1917

The Western University of London, Ont.



ARTS DEPARTMENT

Calendar

For the Year 1916-1917

Calendar

1916

Supplemental Examinations Begin	Sept. 19
Registration	Sept. 27
Meeting of Committee on Academic Standing	Sept. 27
Lectures in Arts Begin	Sept. 28
Last Day for Payment of Fall Term Fees	Oct. 14
Field Day	Oct. 20
Christmas Vacation Begins	Dec. 23

1917

Last Day for Submitting Outlines of M. A. Theses	Jan. 1
Mid-Year's Examination	Jan. 3–8
Lectures in Arts Resumed	Jan. 9
Last Day for Payment of Spring Term Fees	Jan. 15
Ash Wednesday Holiday	Feb. 21
Last Day for Submitting M. A. Theses	Apr. 2
Easter Vacation	Apr. 6–9
Lectures in Arts Close	Apr. 21
Arts Examinations Begin	Apr. 30
Convocation	May 22

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Lecturer in Public Health.

FINLEY E. PERRIN, B.A. (TORONTO),
Lecturer in Political Science (Law).

GEORGIA MAUD NEWBURY, EMERSON COLLEGE OF ORATORY,
Instructor in Elocution and Public Speaking.

*—On Leave (Active Service).

Introductory

Higher Education in Western Ontario

Statistics indicate that a smaller percentage of students attend university from Western Ontario than from some other parts of the Province.

It is also demonstrable that young people do not go any great distance in large numbers to secure a university education. But when a good university is established in any locality and the fact becomes known, pupils from that district soon flock to it. Harvard, Columbia, Toronto, Queen's, as well as most other universities, obtain a very large proportion of their students from their own immediate neighborhood.

This emphasizes one important mission of the Western University. Located in the centre of the most densely populated district of Canada and accessible to more high school pupils than any other similar institution the Western should stimulate among the young people of its natural constituency a much stronger desire for a university education, as other universities have done in other centres. Its recent vigorous 'forward movement' in its comparatively new capacity as a non-sectarian institution will, doubtless, in a short time contribute very materially towards this end.

The importance of this is all the greater because of the constantly increasing recognition that is being given to the place of higher education. A recent investigation showed that one out of 140 of the younger men of the United States had a university education. At the same time one-half of the members of Congress were graduates, while most of the others had some university training. It is claimed that university men are filling two-thirds of the great influential positions of the United States, though constituting only a very small percentage of the population.

Recent Items of Progress

The following are a few facts of the most recent days, indicating how rapidly the Western University is proceeding to fulfil the conditions mentioned in the previous paragraphs,

enabling her to accomplish her mission towards this district as she has never been able to do before:—

The addition of seven new professors during the last two years. Other additions contemplated immediately and to be continued in accordance with the demands of a growing institution.

The J. B. Smallman legacy of $200,000.

Fifteen Thousand Dollars increase in the Government grant for 1916-17.

The purchase of a beautiful site of 160 acres, unequalled among the universities of Eastern Canada.

The furnishing of a Hospital Unit for overseas service.

Installation of new laboratories.

Acquisition of a new gymnasium building, a splendid social as well as athletic centre.

A thorough reorganization of athletics.

Increase in revenue of Arts Department in four years from $8,800 to $35,000. Estimated revenue of all departments for 1916-17 about $85,000.

Raising of standards for admission as well as for degree courses.

New M. A. requirements.

A new thorough-going B.A., M.D. course of seven years.

New scholarships to the value of $500 annually.

Library and Laboratories

Special attention is now being given to library and laboratory equipment, in which the Arts Department has been somewhat deficient. An increasingly large expenditure of money is being devoted to the purchase of books so that there may be an ample supply for the work of all classes.

In addition to the splendid chemical laboratory which has been in existence for some years at the Institute of Public Health, a laboratory in Physics was established last year in the same building. A separate laboratory in Biology is also being arranged for the current year, to avoid the awkwardness occasioned by pursuing this work piece-meal in different places, as heretofore. These are in addition to several other laboratories of a high order of merit in the Medical building and at the Institute of Public Health, all of which are of indirect benefit, at least, to the students of all departments.

General Information

DEGREES

By its Charter, Western University may confer degrees in Arts, Theology, Medicine, Science, Agriculture, Law and Education, upon persons who, having complied with the requirements prescribed, are admitted to such degrees by the Senate.

The degrees at present conferred by the University are:

I.—Honorary Degrees: Doctor of Divinity, Doctor of Science, Doctor of Laws.

II.—Degrees by Examination: Bachelor of Arts (B.A.), Master of Arts (M.A.), Doctor of Medicine (M.D.).

The degrees have their distinctive costumes as follows:—

Gowns.

For Bachelor's Degree—Cambridge shape with long pointed sleeves, of black worsted stuff, untrimmed, open or closed.

For Master's Degree—Cambridge shape with long closed sleeves, of black worsted stuff or silk, untrimmed, open or closed.

For Doctor's Degree—Cambridge shape with round open sleeves, of black worsted stuff or silk, open, with facing down the front of black velvet, with three bars of black velvet across each sleeve; or, with the facing and bars of the color of velvet that by convention pertains to the Faculty in which the degree has been obtained, viz:

Arts	White
Medicine	Green
Science	Gold-Yellow
Laws	Purple
Theology	Scarlet

Hoods.

These shall be of the usual pattern, same material as the gown, black, length proportioned to the figure, maximum being three feet long for Bachelor's and four for Master's and Doctor's, the Doctor's having panels at the sides.

The edging or binding shall be of velvet of the color distinctive of the Faculty granting the degree, as above, under **Gowns.**

The lining of the hood shall be of silk of the official colors of the University, Purple and White, arranged thus: purple background with two chevrons of white.

Caps.

These shall be mortarboards, black, of serge or broadcloth, with black tassel. The Doctor's cap may be of velvet; the tassel on the Doctor's cap may be altogether or half of gold thread.

MEDALS, SCHOLARSHIPS AND PRIZES

The following medals, scholarships and prizes were offered for the year 1915-1916:

Governor-General's Medal for English and History in the Fourth Year.

The U. A. Buchner Gold Medal for First Year Honor Mathematics.

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

The Canadian History Research Scholarship for excellence in History and general standing.

Scholarship of seventy-five dollars for Third Year Honor English and History.

Scholarship of seventy-five dollars for Third Year Honor Political Science.

Scholarship of seventy-five dollars for Second Year Honor English and History.

Scholarship of seventy-five dollars for Second Year Honor Political Science.

Scholarship of seventy-five dollars for First Year Honor English and History.

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

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

Scholarship of fifty dollars for Second Year General Proficiency in the General Course.

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

Alumnae Scholarship of forty-five dollars, available only for female students, to be awarded by the Faculty according to merit.

Prize of ten dollars for Fourth Year Constitutional History of England and Canada.

Prize of ten dollars for Third Year English.

Prize of ten dollars for Third Year History of Philosophy.

Prize of ten dollars for Second Year French.

Prize of ten dollars for Second Year German.

Prize of ten dollars for Second Year Greek.

Prize of ten dollars for Second Year Latin.

The W. W. Tamblyn Prize of ten dollars for Elocution and Public Speaking.

A corresponding number of scholarships has been guaranteed for 1916-1917. It is possible that the number may be increased, especially if there be new demands for Honor Courses.

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 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 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.

General Regulations

ADMISSION

1. Candidates shall be admitted to the General Course in the Faculty of Arts who present certificates of full Departmental Junior Matriculation or its recognized equivalent, as in section 7 (a) below.

2. Candidates presenting certificates of Departmental Junior Matriculation or their recognized equivalents, lacking not more than two subjects, may be admitted to the General Course, but must complete matriculation requirements before entering upon any work of the Third Year.

3. Candidates presenting certificates of Honor Junior Matriculation in one or more subjects or their recognized equivalents may be credited with First Year standing in the General Course in all subjects corresponding to their certificates except the laboratory courses in the sciences.

3 (a). Candidates for First Year Standing in the General Course may be credited with the laboratory work in any of the sciences upon recommendation of the professor concerned, provided (a) note books are submitted in which the practical work has been recorded, and in addition (b) a certificate from the Principal of the High School or Collegiate Institute, stating that the records submitted are the results of the student's own work, and that the work performed and described represents, in the case of each science, at least one hundred hours of laboratory instruction and practical work in the Upper School.

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.

6. Candidates seeking admission on certificates other than those mentioned above must present official evidence of

their academic standing to the Registrar, after which their standing in this University shall be determined by the Committee on Academic Standing.

N.B.—Students are advised to mail their qualifying certificates to the Registrar at least two weeks before the date of registration. After the committee has determined the admission value of these certificates they will be returned to the candidates.

7. (a) Equivalents pro tanto of Junior Matriculation are:

Ontario.....Entrance to Normal School.
Prince Edward Island...Second Class.
Nova Scotia.....Grade XI.
New Brunswick.....Second Class.
Quebec.....Academy Grade III. / University School AA. / Model School Diploma (75%).
Manitoba.....Second Class.
Alberta.....Grade XI.
Saskatchewan.....Grade VII.
British Columbia.....Intermediate.
Newfoundland.....Intermediate (50% required).

(b) Equivalents of Honor Junior Matriculation are:

Ontario.....Entrance to Faculty of Education.
Prince Edward Island...First Class.
Nova Scotia.....Grade XII.
New Brunswick.....First Class.
Manitoba.....First Class.
Saskatchewan.....Grade VIII.
Alberta.....Grade XII.
British Columbia.....Senior Academic.
Newfoundland.....Associate (75%; but allowance on Associate examinations will be given only in English, Latin, Greek, and French).

SPECIAL STUDENTS

8. 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 in the year.

9. 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 passed by them as special students will be put to their credit for the degree of B. A.

ADVANCED STANDING

10. All applications for admission "ad eundem statum" and "ad eundem gradum" must be accompanied by official certificates of standing from the institutions where previous work has been done. These applications shall be referred to the committee on Academic Standing.

EXTRAMURAL STUDENTS

11. 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 section 7 above. Provision may be made by the Senate for examination of extramural students at a local centre, 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.

THE B.A. 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, except the Sciences, 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 and in the Sciences 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. 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. Students conditioned at the May examination will be expected to attempt to remove their conditions at the September examinations following.

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 subjects where each year's work depends directly upon that of a 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 Committee on Academic Standing.

18. A student who at the close of the September supplemental examination has not obtained standing in at least two-thirds of the subjects of the year shall not rank as a student of the succeeding year.

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 if he has complied with the condition laid down in section 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.

THE B.A. HONOR COURSES

22. Honor courses shall extend over four years' registered attendance from date of admission to the First Year of such course, except in the case of those admitted under sections 27, 29 and 30.

23. Candidates presenting certificates of Departmental Honor Junior Matriculation or their equivalents in at least three subjects together with Junior Pass Matriculation in the remaining subjects shall be admitted to the Honor Courses of the First Year in any department in the subjects in which their certificates show that they have obtained at least second class honors (66%).

24. Candidates presenting certificates as in section 23 lacking one pass subject may be admitted to the Honor Courses but must complete Matriculation requirements before entering upon any work of the Third Year.

25. Students who have completed the First Year of the General Course with not more than one star, and who have obtained at least sixty per cent. of the aggregate marks in the work for that year, may enter upon the First Year of an Honor Course in any department in which they have obtained sixty-six per cent. of the aggregate marks in the work of that Department.

26. Students of the General Course who have completed the First Year as in section 25 may enter the First Year of the Honor Courses in Mathematics and Physics if they have obtained said standard in Mathematics of the First and Second Years combined of the General Course.

27. Candidates who have obtained sixty per cent. of the aggregate marks in the work of the First Year General Course together with Analytical Geometry of the Second Year

General Course will be admitted to the Honor Course in Political Science and may complete the course in three years.

28. Candidates presenting certificates of Departmental Junior Matriculation with Honors in all subjects or their recognized equivalents may be admitted to the second year in any Honor Course in which their certificates indicate First Class Honor standing, except in Mathematics and the Sciences.

29. Students of this University who have completed the First and Second years of the General Course and who have obtained sixty per cent. of the aggregate of marks in each year may enter upon the Second Year of an Honor Course in any subject in which they obtained sixty-six per cent. of the marks in the First Year of the General Course and seventy-five per cent. of the marks in the Second Year, except the courses in Mathematics and the Sciences.

30. Candidates presenting Faculty Entrance certificates, Parts I. and II. with Honors (75%) in either part may enter the Second Year of any Honor Course corresponding to their honor certificates, except in Mathematics and the Sciences.

31. In the application of sections 22-30 Normal Entrance certificates are pro tanto equivalent to pass Junior Matriculation certificates and Faculty Entrance certificates pro tanto equivalent to Honor Junior Matriculation certificates. See also section 7.

32. 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.

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

34. A candidate pursuing an Honor Course who falls below the third class in his department shall not be allowed standing for the year.

35. 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.

36. A candidate who competes for Honors at the ex-

amination 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.

37. An undergradute 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 M.A. COURSE

38. Candidates must be graduates in Arts of this or some other accredited university with not lower than Second Class Honors (66%) in the Third and Fourth years of a full Honor Course, or must have attained to the standing in the General Course indicated in section 39.

39. Graduates in Arts of this University who in the work of the last two years of the General Course obtained sixty per cent. of the aggregate possible marks, who did not fall below fifty-five per cent. in more than two subjects, and who obtained Grade A rank in at least nine subjects, of which six lie in the Arts Department, may be admitted as candidates for the Degree of Master of Arts.

40. Graduates of accredited universities who are candidates for the Degree of Master of Arts in this University must furnish official evidence that they have obtained the Degree of B. A. and that their standing in the Third and Fourth years of their course corresponds to the standard of section 39.

41. Candidates may elect a course either (a) of more extensive study, or (b) of more intensive study.

42. All candidates must be in registered attendance in the Faculty of Arts at this University for one academic year, must take a prescribed course, pass an examination therein and obtain at least Second Class Honors (66%) in it, if it lie in an Honor Department, or seventy-five per cent. if it lie in the General Course. The course may be taken in two academic years at the option of the candidate.

43. A candidate who passes the examinations of the Third and Fourth Years of the major subject or subjects of an Honor Course other than that in which he obtained Honors at graduation, and who obtains Second Class Honors (66%) therein and whose thesis is satisfactory, may be granted the Master's Degree under section 38.

44. A candidate who at graduation obtained First Class Honors in each of the Third and Fourth Years of his Honor Course, whose thesis is satisfactory and who obtains First Class Honor standing in the examination on the prescribed course, may be granted the Degree of Master of Arts with Honors.

45. All candidates shall present a thesis embodying the result of their own investigation in some department of study approved by the Arts Faculty.

46. The subject of the thesis must lie in the Arts Department and in that part of the course in which the candidate obtained at least sixty-six per cent. if in an Honor Course or Grade A rank if in the General Course in each of the Third and Fourth Years of his course.

47. The candidates must register not later than October 15th and submit to the Arts Faculty, through the Registrar, an outline of the proposed thesis not later than January 1.

48. If the subject proposed and the outline submitted be adjudged satisfactory, the candidate shall be placed under the guidance of two of the professors in whose departments the subject of the thesis lies, who shall be responsible for conducting the examination and for reporting to the Faculty upon the character of the thesis and the result of the examination. The examination shall be given during the annual May examinations.

49. A type-written or printed copy of the completed thesis, bound in some permanent form, must be in the hands of the Registrar not later than April 1, and must be accompanied with the fee of Twenty Dollars, Ten Dollars of which will be returned to the candidate if unsuccessful.

50. Upon being approved, the thesis shall become the property of the University.

Requirements for Degrees

THE B.A. GENERAL COURSE

FIRST YEAR.

*English 1a, 1b, 1c
Latin 1
Mathematics 1a, 1b

French 1a
German 1a
Greek 1
Hebrew 1a, 1b
Biology 1a, 1b, 1d, 1e
Chemistry 1
Physics 1b

} any three of

SECOND YEAR.

English 2a, 2b
Latin 2

History 1a, 1b and Philosophy 1a (i.)
History 1a, 1b and Philosophy 1b (ii.)
Mathematics 2a, 2b, 2c
French 2a
German 2a
Greek 2
Hebrew 2a, 2b
Biology 1c, 1f
Chemistry 2
Physics 2b
Political Economy 1a, 1b
Public Health and Bacteriology.

} any four of

Note—Either (i.) or (ii.), not both, can be elected.

THIRD YEAR.

English 3
History 3a, 3b, 3c
Philosophy 2a, 2b

* See description of Courses, pp. 37-64.

French 3a
German 3a
Greek 3 or 4
Hebrew 3 and either 3a or 4a
Latin 3 or 4 or 5
Biology 2a, 2b
Chemistry 3
Physics 3c or 4b
Political Economy 3a

} any **three** of

FOURTH YEAR.

English 4a
History 4a, 4b, 4c, 4d, 4e

French 4a
German 4a
Greek 4 or 3
Latin 3 or 4 or 5
Chemistry 4
Hebrew 4 and 4a or 3a
Geology 3a
History 4f
Philosophy 3a
Political Economy 3a
Biology 3c, 4a, 4c

} any **three** of

THEOLOGICAL OPTIONS

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

SECOND YEAR—History 1a, 1b and Philosophy 1a must be taken as one of the options.

THIRD YEAR—Theism and Philosophy 1b must be taken for one of the options; Biblical Greek for Greek 3 or 4.

FOURTH YEAR—Biblical Greek for Greek 4 or 3; Church History and Biblical Literature for two of the optional subjects.

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

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 (one 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 throughout the session, with essays and examinations.

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

THE B.A. HONOR COURSES

Department of Classics

Requirements for Admission for the Year 1916-1917.

Junior Matriculation with at least second class honor standing (66 per cent.) in each of the Latin and Greek of the Honor Course and pass standing in the remaining subjects of the Pass Junior Matriculation Course.

FIRST YEAR.

English 1a, 1b, 1c
Mathematics 1a, 1b
Biology 1a, 1b, 1d, 1e
French 1a, or German 1a, or Hebrew 1a, 1b

*Latin 1, 2
*Greek 7
*History 1a, 1b, 2

SECOND YEAR.

English 2a, 2b
Philosophy 2b (i.)
French 2a, or German 2a, or Hebrew 2a, 2b

*Latin 8
*Greek 8

THIRD YEAR.

English 3
History 3a, 3b, 3c

* Subjects in which honor standing is required are marked with a *.

*Latin 9
*Greek 9

FOURTH YEAR.

*Latin 10
*Greek 10

Department of English and History

I.—WITH CLASSICAL OPTION

Requirements for Admission for the Year 1916-1917.

Junior Matriculation with at least second class honors (66 per cent.) in Latin, together with Honor Matriculation standing in English or Greek of the Honor Course and pass standing in the remaining subjects of the pass Junior Matriculation Course with the Greek option.

Note—A mark of sixty per cent. (60%) will be required in the Latin and Greek of this course for Third Class Honors.

FIRST YEAR.

Mathematics 1a, 1b
Biology 1a, 1b, 1d, 1e
French 1a, or German 1a, or Hebrew 1a, 1b
*English 1a, 1c, 1d
*Greek 1
*Latin 1
*History 1a, 1b, 2

SECOND YEAR

Mathematics 2b
Philosophy 1b
French 2a, or German 2a, or Hebrew 2a, 2b
*English 2a, 2b, 2c
*Greek 2
*Latin 2
*History 3a, 3b, 3c, 3d.

THIRD YEAR.

Philosophy 2a (i.)

*English 3a, 4a
*Greek 5
*Latin 6
*History 4a, 4b, 4c.

FOURTH YEAR.

History 4k

*English 4b, 4c, 4d, 4e
*Greek 6
*Latin 7
*History 4f, 4g, 4h.

II.—WITH MODERNS OPTION

Requirements for Admission for the Year 1916-1917.

Junior Matriculation with at least second class honor standing (66%) in each of the French and German of the Honor Course and pass standing in the remaining subjects of the Pass Junior Matriculation Course.

FIRST YEAR.

Latin 1
Mathematics 1a, 1b
Biology 1a, 1b, 1d, 1e

*English 1a, 1b, 1c, 1d
*French 1b
*German 1b
*History 1a, 1b, 2.

SECOND YEAR

Latin 2
Philosophy 1b
Mathematics 2b

*English 2a, 2b, 2c
*French 2b
*German 2b
*History 3a, 3b, 3c, 3d.

THIRD YEAR.

History 4 i

*English 3a, 4a
*French 3b
*German 3b
*History 4a, 4b, 4c.

FOURTH YEAR.

History 4j

*English 4b, 4c, 4d, 4e
*French 4b (without translation into French)
*German 4b (without translation into German)
*History 4f, 4g, 4h.

Department of Mathematics

Requirements for Admission for the Year 1916-1917.

Junior Matriculation with at least second class honors (66 per cent.) in Mathematics, together with honor standing in one of the other honor subjects (in the case of sciences two subjects) of the Honor Course and pass standing in the remaining subjects of the pass Junior Matriculation Course.

FIRST YEAR.

English 1a, 1c

Latin 1
French 1a
German 1a
} any one of

*Physics 1d
*Mathematics 1c, 1d, 1e, 1f, 1g, 1h.

SECOND YEAR.

English 2a, 2b
French 2a or German 2a
Chemistry 1 or Biology 1a, 1b, 1d, 1e

*Physics 2a, 2d or 3d
*Mathematics 2d, 2e, 2f, 2g, 2h

THIRD YEAR.

English 3
Philosophy 2b or Philosophy 1b
Chemistry 1 or Biology 1a, 1b, 1d, 1e (the one not previously chosen)

*Mathematics, either Group 3 or Group 4
*Physics 3a or 4a, 3c, 2d or 3d

FOURTH YEAR.

Geology 3a
History 4a, 4b, 4c
Political Economy 1a, 1b or History 4e

*Mathematics, either Group 4 or Group 3
*Physics 4a or 3a, 4c, 4d.

Department of Modern Languages

I.—MODERN LANGUAGES AND HISTORY

Requirements for Admission for the Year 1916-1917.

Junior Matriculation with at least second class honor standing (66 per cent.) in each of French and German of the Honor Course and pass standing in the remaining subjects of the pass Junior Matriculation Course.

FIRST YEAR.

Latin 1
Mathematics 1a, 1b

*English 1a, 1c, 1d
*French 1b
*German 1b
*Italian 1

SECOND YEAR.

Latin 2
History 3a, 3b, 3c
Mathematics 2b

*English 2a, 2b, 2c
*French 2b
*German 2b
*Italian 2

THIRD YEAR.

Latin 3 or 4 or 5
Philosophy 2b
History 4a, 4b, 4c

*English 3, 4a
*French 3b, 3c
*German 3b.

FOURTH YEAR.

History 4j

*English 4b, 4c, 4d, 4e
*French 4b, 4c
*German 4b, 4c

II.—FRENCH AND GERMAN

Requirements for Admission for the Year 1916-1917.

Junior Matriculation with at least second class honor standing (66 per cent.) in each of French and German of the Honor Course and pass standing in the remaining subjects of the pass Junior Matriculation Course.

FIRST YEAR.

Latin 1
Mathematics 1a, 1b

*English 1a, 1c, 1d
*French 1b
*German 1b
*Italian 1

SECOND YEAR.

English 2a, 2b
Latin 2
History 4a, 4b, 4c

*French 2b
*German 2b
*Italian 2

THIRD YEAR.

Latin 3 or 4 or 5
History 4a, 4b, 4c
Philosophy 2b

*French 3b, 3c
*German 3b
*Italian 3

FOURTH YEAR.

*French 4b, 4c
*German 4b, 4c
*Italian 4

Department of Physics

Requirements for Admission for the Year 1916-1917.

Junior Matriculation with at least second class honor standing (66 per cent.) in Mathematics, together with honor standing in one of the other honor subjects (in the case of the sciences, two subjects) of the Honor Course and pass standing in the remaining subjects of the pass Junior Matriculation Course.

FIRST YEAR.

English 1a, 1c
Latin 1
German 1a
Chemistry 1

*Physics 1d
*Mathematics 1c, 1d, 1e, 1f, 1g, 1h

SECOND YEAR.

English 2a, 2b
French 1a
German 2a (authors only)
Chemistry 2

*Physics 2a, 2d
*Mathematics 2d, 2e, 2f, 2g, 2h

THIRD YEAR.

English 3
German 5
Biology 1a, 1c, 1d, 1f

*Physics 3a, 3b, 3c, 3d or 2d, 4a, 4b
*Mathematics 3b, 3c, 3f or 4c, 4g, 4h, 4i, 4j

FOURTH YEAR.

French 5
History 4a, 4b, 4c
Geology 3a
Political Economy 1a, 1b or History 4e

*Physics 2d, 4a, 4b or 3a, 3b, 3c, 3d
*Mathematics 4c, 4g, 4h, 4i, 4j or 3b, 3c, 3f

Department of Political Science

FIRST YEAR.

See Section 27

SECOND YEAR.

English 2a, 2b
Latin 2
Philosophy 1b

French 2a
German 2a
Greek 2
Hebrew 2a, 2b
Chemistry 2
} any one of

*Political Economy 1a, 1b, 2.

THIRD YEAR.

English 3
Philosophy 2b

French 3a
German 3a
Greek 4 or 3
Hebrew 3 and 3a or 4a
} any one of

*Political Economy 3a, 3b, 3c
*History 3a, 3b, 3c, 3d, 4d, 4e
*Law 1a, 1b

FOURTH YEAR.

English 4a
History 4f

French 4a
German 4a
Greek 4 or 3
Hebrew 4 and 4a or 3a
} any one of

*Political Economy 4a, 4b, 4c, 4d, 4e
*History 4a, 4b, 4c
*Government 1a, 1b
*Law 2a, 2b

Department of Biology

Requirements for Admission for the Year 1916-1917.

Junior Matriculation with the Science Option and Honors in three subjects or the recognized equivalent (see Section 7a, 7b).

FIRST YEAR.

Latin 1
English 1a, 1c
German 1a
Mathematics 1a, 2c

*Biology 1a, 1c, 1d, 1f
*Chemistry 1a
*Physics 1b, 1c.

SECOND YEAR.

English 2a, 2b
German 2a (authors only)
French 1a

*Biology 2c and Special
*Chemistry 2a
*Physics 2b, 2c.

THIRD YEAR.

English 3
German 5
French 5

*Biology 3a, 3b, 3d
*Geology 3a
*Physics 3b, 3c
*Pharmacology 1 (See Calendar, Department of Medicine, page 28.)

FOURTH YEAR.

French 6
German 6
History 4a, 4b, 4c

*Biology 4a, 4b, 4d
*Geology 3b, 3c
*Physiology 1, 2, 3 (Calendar, Department of Medicine, page 29)
*Anatomy 5, 6 (Calendar, Department of Medicine, page 22)

The B.A., M.D. Course

Requirements for Admission.

Certificate of complete Junior (Pass) Matriculation with Science Option and Honors in any three subjects of the Honor examination, as issued by the Department of Education of the Province of Ontario; or its recognized equivalent, as indicated in section 7, page 16.

Certificate of having passed the Junior (Honor) Matriculation examination or the examination for entrance to Faculty of Education in any of the following subjects: Latin, English, Mathematics, French or German, shall be accepted for the first year work in these subjects (in the case of Mathematics for that of the first and second years), and such allowance may be made for similar certificates in Physics, Biology and Chemistry as the heads of these departments may decide. See section 3(a), page 15.

FIRST YEAR.

English 1a, 1c, pages 43-44
German 1a, page 57

Latin 1, page 40
Mathematics 1a, 2c, pages 52-53
Biology 1a, 1c, 1d, 1f, page 37
Chemistry 1a, page 39
Physics 1b, 1c, page 60

SECOND YEAR.

English 2a, 2b, page 44
French 1a, page 55
German 2a (authors only), page 57
Mathematics 2a, 2b, page 53
Biology, Special
Chemistry 2a, page 39
Physics 2b, 2c, page 61

THIRD YEAR.

English 3, page 45
Political Economy 1a, 1b, page 62
Psychology, Special
Anatomy 1, 2, 5, 6 (Medical Calendar, page 22)
Biology 3a, page 38
Microbiology (Medical Calendar, page 23)
Pharmacology 1 (Medical Calendar, page 28)
Physiology 1 (Medical Calendar, page 29)

FOURTH YEAR.

French 5, page 57
History 4a, 4b, 4c, page 50
German 5, page 58
Anatomy 2, 3, 4, 7, 8 (Medical Calendar, page 22)
Biology 4a, page 38
Pharmacology 2 (Medical Calendar, page 28)
Physiology 2, 3 (Medical Calendar, page 29).

REGULATIONS

1. Conditions in any of the subjects of the B.A., M.D. course may not be carried in any year past the September supplemental examination of that year.

2. The examination and pass standards in the several subjects of this course shall be those of the faculties concerned.

N.B.—The pass standard in the Faculty of Medicine is fifty per cent. in each subject and sixty per cent. on the total work for the year. Candidates obtaining eighty-five per cent. or more in the Science subjects shall have standing of First Class Honors in those subjects. Those obtaining seventy per cent. but less than eighty-five in those subjects shall have standing of Second Class Honors; those obtaining sixty per cent. but less than seventy shall have standing of Third Class Honors.

3. On satisfactory completion of the Fourth Year of this course, the Degree of B.A. may be conferred in the General Course, or with Honors according to the standing of the student in the Science subjects of the course. Thereafter the student may enter on the work of the Third Year of the Medical curriculum.

Description of Courses

Department of Biology

1a. Elementary Zoology: A course of twenty-five lectures dealing with the general principles of zoology and with typical forms of animals. Text-books: Parker and Haswell, *Text-book of Zoology;* Hegner, *College Zoology.*

1b. Introductory Practical Zoology: A laboratory course of twenty-five hours for General Course students. Text-book: Hegner, *College Zoology.*

1c. Elementary Practical Zoology: A laboratory course of fifty hours dealing with selected animal types. Text-book: Parker and Parker, *Elementary Practical Zoology.* Pre-requisites for General Course students: Biology 1a and 1b.

1d. Elementary Botany: A course of twenty-five lectures dealing with the general principles of botany and with typical forms of plants. Text-books: Coulter, Barnes and Cowles, *Text-book of Botany*; Bergen and Davis, *Introduction to Botany.*

1e. Introductory Practical Botany: A laboratory course of twenty-five hours for General Course students. Text-book: Bergen and Caldwell, *Introduction to Botany.*

1f. Elementary Practical Botany: A laboratory course of fifty hours dealing with selected plant types. Text-book: Coulter, Barnes and Cowles, *Text-book of Botany.* Pre-requisites for General Course students, 1d and 1e.

2a. Vertebrate Zoology: A course of fifty lectures on the history and structure of the vertebrates. For reference: Wiedersheim, *Comparative Anatomy*; Kingsley, *Comparative Anatomy*; Wilder, *History of the Human Body.* Pre-requisites: Biology 1a, 1c, 1d and 1f.

2b. Practical Vertebrate Zoology: A laboratory course of seventy-five hours dealing with selected vertebrate types. Text-books: Parker, *Zootomy;* Bensley, *Anatomy of the Rabbit.* Pre-requisites: Biology 1a, 1c, 1d and 1f.

2c. Phanerogamic Botany: A lecture and laboratory course of seventy-five hours on the flowering plants. Text-book: Strasburger, Jost, Schenck and Karsten, *Text-book of Botany.* Pre-requisites: Biology 1a, 1c, 1d and 1f.

3a. Invertebrate Zoology: A lecture and laboratory course of seventy-five hours dealing with selected invertebrate types. Text-book: Parker and Haswell, *Text-book of Zoology, Vol.* 1. Pre-requisites: Biology 2a and 2b.

3b. Cryptogamic Botany: A lecture and laboratory course of seventy-five hours dealing with selected cryptogamic types. This course will include work in Plant Pathology. Text-book: Strasburger, Jost, Schenck and Karsten, *Text-book of Botany.* Pre-requisite: Biology 2c.

3c. Canadian Botany: A course dealing with the classification, oecology and economic importance of Canadian plants.

3d. Collections of plants and animals will be required from Honor Science students entering the Third and Fourth Years. Particulars may be obtained on application.

4a. History and Theory of Biology: A course of fifty lectures on the History and problems of Biology. For reference: Darwin, *Origin of Species;* De Vries, *Species and Varieties, their origin by Mutation*; Bateson, *Mendelism;* Locy, *Biology and its Makers.* Pre-requisites: Biology 1a, 1c, 1d and 1f.

4b. Plant Physiology: A lecture and laboratory course of seventy-five hours dealing with the physiology of plants. For reference: Jost, *Plant Physiology;* Pfeffer, *Physiology of Plants;* Macdougal, *Text-book of Plant Physiology.* Pre-requisite: Biology 3b.

4c. Canadian Zoology: A course dealing with the classification, oecology and economic importance of Canadian animals.

4d. Collections of plants and animals will be required from Honor Science students entering the Third and Fourth Years. Particulars may be obtained on application.

Department of Chemistry

1. 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. Two lectures, two laboratory hours a week.

Text—*A course in General Chemistry* by Macpherson and Henderson.

1a. Same as 1, except—Three lectures and two laboratory periods weekly for the first term only.

2. Qualitative and quantitative analysis—Available only to students who have completed satisfactory work in the 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 (125 hours).

Text—Prescott and Johnson, *Qualitative Chemical Analysis.*

2a. Organic Chemistry with qualitative and quantitative analysis. Organic Chemistry—A course of lectures and demonstrations on the fatty and aromatic hydrocarbons and their derivatives, the carbohydrates, proteins and alkaloids. Laboratory work consists of preparation, identification and estimation of some of the simpler organic compounds, organic acids, alkaloids, etc. 50 hours lectures, 60 hours laboratory.

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

This 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. 15 hours lectures—90 hours laboratory.

This course requires 13 hours weekly during second term only.

Texts—Remsen's *Organic Chemistry;* Prescott and Johnson's *Qualitative Chemical Analysis.*

3. 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 hydrocarbons and their derivatives, the carbohydrates, proteins and alkaloids. Laboratory work consists of preparation, identification and estimation of some of the simpler organic compounds, organic acids, alkaloids, etc. 50 hours lectures, 60 hours laboratory.

Text—Remsen's *Organic Chemistry*.

4. 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.

In all of these courses, except No. 2a, a laboratory fee of $2.00 is required which is not returnable. Laboratory fee for No. 2a is $3.00. For each course a laboratory deposit of $5.00 must also be made which is returnable at the end of the session minus any deduction for breakage.

Department of Classics

Latin.

1. Cicero, *Pro Lege Manilia* and *Selected Letters* (Greenough's edition of Cicero's *Orations and Letters*, Ginn & Co., New York); Vergil, *Aeneid* 4 (Macmillan Elementary Classics); Horace, *Odes* 1 (Macmillan Elementary Classics); Grammar (Bennett's *Latin Grammar*, Allyn & Bacon, Boston, or Allen and Greenough's *Latin Grammar*, Ginn & Co., New York); Composition (Mitchell's *Latin Writing*, American Book Co., New York); Sight Translation. 3 hours a week.

Pre-requisite: Junior Matriculation Latin.

2. Livy, *Selections from* (edited by Burton, American Book Co., New York); Vergil, *Aeneid* 6 (Macmillan Elementary Classics); Horace, *Odes*, 2, 3, 4 (Macmillan Elementary Classics); Grammar (Allen and Greenough, Ginn & Co., New York); Composition (Allen's *Second Latin Exercise Book*, Oxford Press); Sight Translation. 3 hours a week.

Pre-requisite: Latin 1 or Honor Matriculation or Faculty Entrance Latin.

3. Latin Literature of the Early Empire (*Selections*, edited by Brown, Clarendon Press); Composition (Allen's *Second Latin Exercise Book*, Oxford Press); Sight Translation; Lectures on the History of the Literature of the Empire.

Pre-requisite: Latin 2. 3 hours a week.

4. Plautus, *Captivi* (edited Elmer, Allyn and Bacon, Boston); Terence, *Andria* (edited Sturtevant, American Book Company, New York); Catullus (edited Simpson, Macmillan Co.); Cicero, *De Amicitia* and *De Senectute* (edited Bennett, Sanborn & Co., Boston); Composition (Allen's *Second Latin Exercise Book*, Oxford Press); Sight Translation; Lectures on the History of the Literature of the Republic.

Pre-requisite: Latin 2. 3 hours a week.

5. Cicero, *Letters* (Riess, Macmillan Co., New York); Pliny, *Letters* (Allen, Oxford Press); Tacitus, *Annals*, *Bk.* 1 (Furneaux, Clarendon Press); Livy, *Selections from Bks.* 21, 22; Vergil, *Selections from Bucolics*, *Georgics* and *Aeneid*, 7-12; Composition (Allen's *Second Latin Exercise Book*, Oxford Press); Sight Translation; Lectures on the Literature of the Ciceronian and Augustan Periods.

Pre-requisite: Latin 2. 3 hours a week.

Note—Latin 3, 4, 5 will be given in rotation; Latin 5 in 1916-17).

6. Plautus and Terence, two plays from each; the *Satires* of Horace and Juvenal; history of the Republic to the time of Sulla (Mommsen; Beesly, *Gracchi, Marius and Sulla;* Botsford, *Roman Assemblies;* Heitland, *Republic;* Frank, *Roman Imperialism;* etc.); History of the Literature of the Republic.

Pre-requisite: Latin 2. 3 hours a week.

7. Caesar, *Civil War* and parts of the *Gallic War;* Cornelius Nepos; Sallust, *Catilina;* Cicero, *In Catilinam;* Tacitus, *Annals* 1, 2; Suetonius, *Augustus;* detail history of the last years of the Republic and of the Empire down to 220 A.D.; history of the literature of the Empire.

Pre-requisite: Latin 6. 3 hours a week.

8. Selections from the Elegiac poets (Harrington); Horace, *Epistles;* Cicero, *Letters;* Catullus, *Selected poems* (Simpson); Cicero, *De Amicitia, De Senectute;* Pliny, *Letters* (Allen).

Grammar, Sight Translation, Prose, History in detail to 272 B.C. (Ihne, *Early Rome;* Mommsen; etc.); Roman Literature (Mackail, Duff, Sellar). 4 hours a week.

9. Satire (Horace, Juvenal, Persius) and Comedy (all of Terence and six plays of Plautus).

ter, Address to the Deil; Crabbe, *The Village, I* and *II., Peter Grimes;* Wordsworth, *Tintern Abbey;* Coleridge, *Christabel, Kubla Khan, To a Gentleman;* Byron, *The Vision of Judgement;* Scott, *The Antiquary;* 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;* Arnold, *The Scholar Gipsy.* 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.

1b. 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.

1c. 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.

1d. The critical study of Tennyson's *In Memoriam,* and of the selections from Lamb to Stevenson in *Selected English Essays* (Oxford University Press). 1 hour a week.

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

2b. Composition—The writing of at least four original compositions. Fortnightly themes in class. 1 hour a week.

2c. Bright's *Anglo-Saxon Reader* (Selections II., III., VI., XII., XV., XVI,. XX., XXI., XXIIL).

Outlines of the History of the English language (Emerson). 1 hour a week.

3. 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*," Sanborn, N.Y.)

2 hours a week.

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

4a (i.). English Poetical 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; some further selections from *Georgian Poetry*, 1913-1915; G. K. Chesterton, *The Victorian Age in Literature*.

(ii.). English Prose 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.

(iii.). 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 Dante (Temple Edition), *Piers Plowman*, Maundeville's *Travels* and Gummere's *Ballads*, *Perle*, *Gawain and the Green Knight*.

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).

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

4b. For critical study: Shakespeare: *Midsummer Nights Dream, King John, King Lear* 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., Othello, Antony and Cleopatra;* Milton, *Comus, Samson Agonistes, Arcades.* 2 hours a week.

4c. 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.* 1 hour a week.

4d. 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.* 1 hour a week.

4e. *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.

Historical English Grammar (Sweet).

1 hour a week.

Department of Geology

3a. Historical and Structural Geology: A lecture and laboratory course of one hundred and fifty hours. Textbook: Chamberlain and Salisbury, *College Geology*.

3b. Elementary Mineralogy: A course of twenty-five lectures.

3c. Determinative Mineralogy: A laboratory course of fifty hours on the determination of minerals and blow-pipe analysis.

Department of Hebrew

Note—Every student must provide himself with Davidson's *Hebrew Grammar*, Hebrew Bible, Hebrew-English Lexicon (Baxter); in the third year Davidson's *Hebrew Syntax*. Advanced students are recommended to provide themselves with the *Oxford Hebrew Lexicon*.

1a. Hebrew Grammar. Exercises in translation, English to Hebrew and Hebrew to English, Davidson pp. 1-106.

1b. Translation of *Exodus* 1-4, *I. Samuel* 17, with grammatical analysis, parsing and vocabulary.
3 hours a week.

2a. Hebrew Grammar. Exercises in translation from Hebrew into English and English into Hebrew. Pointing simple passages.

2b. Translation of *Genesis* 1-4, 37, 40-45, *I. Kings* 17-19, *II. Kings*, 2, 17. 3 hours a week.

3. Hebrew Grammar and Syntax, Davidson. Exercises in translation from English into Hebrew and Hebrew into English. Pointing.

3a. Introduction to prophetic writings. *Amos*, *Isaiah* 1-6, 40, 50-55, *Jeremiah* 7, *Ezekiel* 14. 3 hours a week.

4. Hebrew Grammar and Syntax. Pointing. Exercises in translation from Hebrew into English and English into Hebrew.

4a. Introduction to poetical writings. The principles of Hebrew poetry. *Numbers* 23, 24; *Psalms* 1, 2, 8, 19, 23, 24, 29, 45, 90-94, 121-127; *Ecclesiastes* 12; *Proverbs* 1-4, 8; *Job* 28.

Department of History

1a. History of Greece to 146 B. C.
2 hours a week, first term.

Text: Botsford's *History of Greece* (Macmillan & Co.)

1b. History of Rome to 476 A. D.
2 hours a week, second term.

Text: Pelham's *Outlines of Roman History* (Putnam, New York.)

2. Constitutional History of Greece to 323 B. C. and of Rome to 180 A. D. Special economic interpretation of Grecian and Roman History for students of Political Economy.
1 hour a week.

3a. Mediaeval History: Period of Study, 1100-1250 A.D. 2 hours a week, first term.

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

References: 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, *Mediaeval Civilization.*

3b. Renaissance and Reformation History: Period of Study, 1450-1600. 2 hours a week, second term.

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.*

References: 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.*

3c. Essays will be required as term work from students taking courses 3a and 3b.

3d. Additional reading for Honors—Fall Term: Jean de Joinville, *Memoirs of Saint Louis* (selected portions); Spring Term: *English History in Contemporary Poetry,* 1489-1588 (ed. N. K. Fraser).

4a. Modern History: Period of study, Eighteenth Century. 2 hours a week, first term.

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

References: C. G. Robertson, *England under the Hanoverians;* J. Morley, *Walpole;* E. Burke, *Essays on the American Question;* Lord Rosebery, *Pitt;* E. J. Lowell, *Eve of the Revolution; Cambridge Modern History;* J. A. R. Marriott and C. Grant Robertson, *The Evolution of Prussia.*

4b. Modern History: Period of Study, Nineteenth Century. 2 hours a week, second term.

Text-books: Robinson and Beard, *Development of Modern Europe, Vols. I and II.;* Gardiner or Innes for English History; Robinson and Beard, *Readings in Modern European History;* E. P. Cheyney, *Readings in English History;* C. Grant Robertson and J. G. Bartholomew, *Historical Atlas of Modern Europe.*

References: J. A. R. Marriott, *England since Waterloo;* E. M. Hawksworth, *Last Century in Europe;* 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;* W. F. Monypenny (and G. E. Buckle) *Life of Benjamin Disraeli;* Nevill Forbes, etc., *The Balkans;* H. E. Egerton, *Canada; Canada and its Provinces* (selected portions); *Cambridge Modern History; The War and Democracy* (Round Table publications); numerous War Books and Pamphlets.

4c. Essays will be required as term work from students taking courses 4a and 4b.

4d. The Constitutional History of England. 1 hour a week.

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.*

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

4e. The Constitutional History of Canada.
1 hour a week.

Text-books: A. R. Hassard, *Canadian Constitutional History and Law;* J. G. Bourinot, *Constitutional History of Canada;* articles apportioned from *Canada and its Provinces.*

References: 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.*

4f. The Constitutional and Diplomatic History of the United States. This course will include (1) the study and 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 Great Britain and Canada. 2 hours a week.

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.; 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.*

4g. 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?*

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

4h. The History of Canada since Confederation.
1 hour a week.

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

Additional reading (1916-17): Sir Jos. Pope, *The Day of Sir John Macdonald* (*Chronicles of Canada*).

4i. A course in Anthropology. 1 hour a week

Text-books: A. C. Haddon, *Wanderings of Peoples;* M. Haberlandt, *Ethnology;* J. Deniker, *Races of Man.*

References: 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.*

4j. Outline History of Arts and Sciences.

4k. Roman Constitutional History. 1 hour a week.

Department of Mathematics

1a. 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.*

1b. 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 *Books IV. and VI.* of Euclid's *Elements.* 1 hour a week.

Text: Hall and Stevens, *A School Geometry, Parts I.-VI.* (Macmillan and Co.).

1c. Algebra—The subject as treated in Hall & Knight's *Higher Algebra pp.* 187-340. 1 hour a week.

Reference: C. Smith, *Treatise on Algebra* (Macmillan & Co.). Chrystal, *Algebra.*

1d. Synthetic Plane Geometry. 1 hour a week.

Text: Dupuis, *Elementary Synthetic Geometry* (Macmillan & Co.).

Reference: C. Smith, *Geometrical Conics* (Macmillan & Co.).

1e. Analytical Plane Geometry. 2 hours a week.
Text: C. Smith, *Conic Sections* (Macmillan & Co.).

1f. Synthetic Solid Geometry. 1 hour a week.
Text: Dupuis, *Synthetic Solid Geometry* (Macmillan & Co.).

1g. Trigonometry: The subject as contained in Locke's *Higher Trigonometry*. 1 hour a week.
Text: Locke, *Higher Trigonometry* (Macmillan & Co.)
Reference: Hobson, *Plane Trigonometry* (Cambridge University Press).

1h. Elementary Differential and Integral Calculus: Applications. 1 hour a week.
Text: Granville, *Differential and Integral Calculus* (Ginn & Co.).

2a. 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.

2b. Geometry—Analytical Geometry of the point, line and circle. 1 hour a week.
Text: W. M. Baker, *Algebraic Geometry, Part I.*

2c. 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.

2d. Algebra—The subject as treated in Hall & Knight's *Higher Algebra, pp.* 340-489, with modifications and extensions. 2 hours a week.
Texts: L. G. Weld, *Theory of Determinants* (Macmillan & Co.); Burnside & Panton, *Theory of Equations, Vol. I.* (Dublin University Press).
References: C. Smith, *Treatise on Algebra* (Macmillan & Co).; Chrystal, *Algebra* (Macmillan & Co).

2e. Analytical Plane Geometry, advanced course. 1 hour a week.

Texts: C. Smith, *Conic Sections* (Macmillan & Co).; Salmon, *Conic Sections* (Longmans, Green & Co.).

2f. Analytical Solid Geometry. 1 hour a week.

Text: C. Smith, *Solid Geometry* (Macmillan & Co.).

2g. Spherical Trigonometry with applications to Astronomy. 1 hour a week.

Text: Dupuis & Matheson, *Spherical Trigonometry* (Uglow & Co., Kingston).

Reference: Barlow & Bryan, *Elementary Mathematical Astronomy* (Brigges & Bryan, Tutorial Series).

2h. Differential and Integral Calculus, advanced course. 2 hours a week.

Texts: Granville, *Differential and Integral Calculus* (Ginn & Co.); Williamson, *Integral Calculus*, *Elementary Treatise* (Longmans).

References: Edwards, Williamson, Byerly, Johnson.

Group 3.

3a. Theory of Number. An elementary course on Number concepts. 1 hour a week.

Text: To be indicated later.

3b. Elementary treatment of the Theory of Functions of Real and Complex Variables. 1 hour a week.

References: Harkness & Morley, *A Treatise on the Theory of Functions* (Macmillan & Co.,); Forsyth, *Theory of Functions* (Macmillan & Co.)

3c. Higher Plane Curves. 1 hour a week.

Text: Salmon, *Analytical Geometry* (Longmans).

3d. Solid Geometry, advanced course. 2 hours a week.

Text: Salmon, *Solid Geometry* (Longmans).

3e. Differential Equations, introductory course. 1 hour a week.

Text: W. W. Johnson, *Differential Equations* (Wiley & Sons, N.Y.)

Reference: Forsyth, *Differential Equations* (Macmillan & Co.)

3f. Vector Algebra. 1 hour a week.
Text: Hyde, *Directional Calculus* (Ginn & Co.)

Group 4.

4a. Invariant Theory. 1 hour a week.
Text: Elliott, *The Algebra of Quantics.*

4b. Quaternions. 1 hour a week.

4c. An introductory course in the Theory of Least Squares. 1 hour a week, first term.

4d. Modern Synthetic Geometry. 1 hour a week.
Text: Reye (Tr. Holgate), *Geometry of Position* (Macmillan & Co.)
Reference: Cremona, *Projective Geometry.*

4e. Twisted Curves. 1 hour a week.
Text: To be prescribed later.

4f. Elementary course on Riemann's Theory of Abelian Integrals. 1 hour a week, second term.

4g. An introductory course on the Theory of Groups. 1 hour a week.
Text: Page, *Ordinary Differential Equations* (Macmillan & Co.)

4h. Lectures on the Calculus of Variations. 1 hour a week, first term.

4i. Lectures on the Calculus of Finite Differences. 1 hour a week, second term.

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

N.B. Groups 3 and 4 will be given alternately in the Third and Fourth Years of the Honor Course, but will not both be given in the same year. Group 3 will be given in the year 1917-18.

Department of Modern Languages.

French.

1a. Grammar, dictation, conversation, translation into French. An examination on: Dumas, *Les trois mousquetaires.* 3 hours a week.

1b. Grammar, pronunciation, conversation, translation into French. Molière, *Le Bourgeois Gentilhomme;* La Fontaine *Fables, Book I;* Racine, *Athalie.*

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

2a. Grammar, dictation, conversation, translation into French. Souvestre, *La main malheureuse, La question d'argent.* 4 hours a week.

2b. Grammar, dictation, conversation, translation into French, narrative composition.

Corneille, *Le Cid;* Racine, *Andromache;* La Bruyère, *Caracèrtes (de la Société* et *de la Conversation);* Bossuet, *Oraisons Funebres, Henriette d'Angleterre;* Moliere; *Le Misanthrope L'Avare, Les Précieuses Ridicules;* Boileau, *L'Art Poétique (Cantos I, II, III.).*

History of French Literature in the 17th Century. 4 hours a week.

3a. Grammar, dictation, translation into French. Voltaire, *Zadig;* De la Brète, *Mon oncle et mon curé;* De Maupassant, *Huit contes choisis.* 4 hours a week.

3b. Grammar, dictation, translation into French. Le Sage, *Gil Blas;* Voltaire, *Merope, 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* (Fouquières): Hymnes et Odes; Chateaubriand, *Atala;* Madame de Stael, *de l'Allemagne, Part II., ch.* 1-15*; L'enfant espion et autres contes* (Amer. Book Co.). History of French Literature in the 18th Century. 5 hours a week.

3c. Old French Grammar, elements of French phonology; *Chanson de Roland,* ll. 1-365. 1 hour a week.

4a. Grammar, translation into French, dictation. Hugo, *Hernani;* Augier, *Le Gendre de Monsieur Poirier;* Berthon's *Specimens of Modern French Prose;* Sand's *La mare au diable.*

Outlines of the history of French literature in the 19th Century. 4 hours a week.

4b. Grammar and translation into French; History of French Literature in the Nineteenth Century. Lamartine,

Premières Méditations poétiques I.-XV (Lemerre). Hugo, *Les Voix intérieures, I.-XXIV., Notre Dame de Paris* (Ginn & Co.) *Hernani;* Balzac, *Eugénie Grandet* (Calman Levy); Augier, *Le Gendre de Monsieur Poirier;* Alphonse Daudet, *Tartarin sur les Alpes;* 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). 4 hours a week.

4c. History of the French Lanugage. 1 hour a week.

5. Scientific French I. 1 hour a week.

6. Scientific French II. 1 hour a week.

German.

1a. Grammar, pronunciation, translation from English into German, translation at sight from easy modern German prose. *Geschichten von deutschen Städten* (p. 88 to end). 3 hours a week.

1b. Grammar, pronunciation, translation into German translation from modern German. Gronow's *Geschichte und Sage* (Ginn & Co.); Freitag's *Die Journalisten.* Outlines of the History of German Literature to 1500. 4 hours a week.

2a. Grammar, conversation, translation into German, translation from modern German. Gronow's *Geschichte und Sage. Geschichten von deutschen Städten* (p. 88 to end). Hatfield's *German Lyrics and Ballads, Nos.* 1, 6 *to* 9, 14, 20, 25, 27, 28, 31, 37, 42, 43, 46, 47, 50, 53, 61, 62, 67, 68, 71, 72. 5 hours a week.

2b. Grammar, conversation, translation from English into German. Schiller's *Wilhelm Tell; German Lyrics and Ballads* (as in 2a); Scheffel's *Ekkehard.*

Outlines of the History of German Literature, 1500-1740. 4 hours a week.

3a. Grammar, translation into German, Heine's *Prosa* (Colbeck's edition, Macmillan & Co.) *pp.* 1-100; Freitag's *Soll und Haben* (Heath & Co.).

Outlines of German Literature to 1740. 4 hours a week.

3b. Grammar, translation into German, Lessing's *Minna von Barnhelm;* Schiller's *Maria Stuart;* Goethe's *Hermann und Dorothea, Iphigenie;* Heine's *Prosa* (Colbeck)-*pp.* 1-140; Klenze, *Deutsche Gedichte, pp.* 1-127.

A general acquaintance with German Literature from Gottsched to the death of Schiller. 4 hours a week.

4a. Grammar, translation into German, Freitag, *Soll und Haben;* Schiller, *Jungfrau von Orleans;* Ebner-Eschenbach, *Lotti, die Uhrmacherin.*

Outlines of the History of German Literature, 1740 to the present. 4 hours a week.

4b. Grammar, translation into German; a general acquaintance with German Literature in the 19th Century. Schiller, *Jungfrau von Orleans;* Klenze, *Deutsche Gedichte,* p. 131 to end; Goethe, *Faust, Parts I and II.;* Grillparzer, *Sappho;* Ludwig, *Die Makkabaer;* Heine's *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. 4 hours a week.

4c. Elements of Middle High German Grammar; History of Middle High German Literature. *Nibelungenlied, Avv.* 1, 5, 16, 29, 39. 1 hour a week.

5. Scientific German I. 1 hour a week.

6. Scientific German II. 1 hour a week.

Italian.

1. Grammar, pronunciation and oral exercises, dictation, translation into Italian (Grandgent's *Grammar,* and Grandgent's *Italian Composition);* Bacci e Gotti, *Le Glorie della Patria;* Baccini, *Cristofero Colombo.* 3 hours a week.

2. Grammar; translation into Italian (Grandgent's *Italian Composition);* Bowen's *Italian Reader.*

Fogazzaro's *Pereat Rochus,* and *Un idea di Ermes Torranza* (Heath). 3 hours a week.

3. Grammar; translation 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.

4. 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*, ch. 16 to end (Silver, Burdett, ed.).

Grammar; translation into Italian; History of Italian Literature from Ariosto to the present (Garnett).

Department of Philosophy.

1a. Logic—Formal and inductive. 1 hour a week.
Text: Jevons, *Elementary Lessons in Logic* (Macmillan).

1b. Psychology—Sensation, Thought, Emotion, Volition. Angell's *Psychology* (Holt), or Stout's *Groundwork of Psychology* (Hinds, Noble). 1 hour a week.

2a. History of Philosophy—
(1) Greek Philosophy, with special reference to Socrates, Plato and Aristotle. Essay.
(2) Pre-Kantian Philosophy, with special reference to Des Cartes, Spinoza and Leibniz. Essay.
(3) English Philosophy, with special reference to Bacon, Hobbes, Locke, Berkeley and Hume. Essay. 2 hours a week.

2b. Ethics—
(1) History of early modern Ethics up to Kant.
(2) Theory of obligation.
(3) 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.

2c. Psychology, for the B.A., M.D. course. Fifteen lectures.

3a. Modern Philosophy—
(1) German Philosophy, with special reference to Kant and his disciples. Essays.
(2) English Philosophy, with special reference to Mill and Spencer. Essays.
(3) Introduction to most recent philosophical theories. Essays.

Texts and references will be indicated for extramural students on application to the Registrar.

Department of Physics

1a. General Physics: An introductory course of demonstrations and lectures, well illustrated by practical work in the laboratory. Prescribed for first year students in the Medical School.

1 lecture, 3 laboratory hours a week.

Texts: Watson, *General Physics;* Reed & Guthe, *College Physics;* Aldous, *Physics.*

1b. Mechanics, Heat and Acoustics: A course presenting the general principles without extensive mathematical applications. Prescribed for first year students in the Honor Natural Science courses, and optional in the first year of the General Course.

2 lectures, 3 laboratory hours a week.

Texts: Wilson, *Experimental Physics;* Reed & Guthe, *College Physics;* Louden & McLennan, *A Laboratory Course in Experimental Physics.*

1c. An extension of course 1b., in recitations and practical work, for first year students in the Honor Natural Science Courses.

3 laboratory hours a week, spring term.

1d. Properties of Matter, Mechanics and Heat: A somewhat detailed course involving elementary applications of the Calculus, and the solution of numerous problems. In the laboratory emphasis is placed upon the precision of methods and results.

3 lectures, 3 laboratory hours a week.

Prescribed for first year Honor students in Mathematics and Physics.

Texts: Watson, *A Textbook of Physics;* Millikan, *Mechanics, Molecular Physics and Heat.*

2a. Elements of Mechanics: A mathematical treatment, introducing numerous applications of physical principles. Prescribed for second year Honor students in Mathematics and Physics.

2 lectures a week.

Text: Crew, *Principles of Mechanics.*

2b. Magnetism, Electricity and Light: A course supplementary to 1b. Prescribed for second year students in the Honor Natural Science Courses, and optional for second year students in the General Course who have taken 1b.

2 lectures, 3 laboratory hours a week.

Texts: As in 1b.

2c. An extension of the practical work in 2b., for students in the Honor Natural Science Courses.

3 laboratory hours a week, fall term.

2d. Acoustics, Geometrical and Physical Optics: For Honor students in Mathematics and Physics who have completed 1d.

2 lectures, 3 laboratory hours a week.

Texts: Watson, *A Textbook of Physics;* Millikan & Mills, *Electricity, Sound and Light.*

(Offered in 1916-17 and in alternate years.)

3a. Advanced Mechanics: A continuation of 2a., making use of the Calculus and simple differential equations.

2 lectures a week.

(Offered in alternate years, beginning 1917-18).

3b. Advanced Optics, Spectroscopy and Radiation: For students in the Honor Physics Course.

2 lectures a week.

(Offered in alternate years, beginning 1917-18).

3c. Electrical measurements: A laboratory course in precision measurements, entirely individual work. Optional for third year students in the General Course, and prescribed for Honor students in Physics to be taken at the same time as 3b.

3 laboratory hours a week.

3d. Principles of Electricity and Magnetism: For Honor students in Mathematics and Physics who have completed 1d.

2 lectures, 3 laboratory hours a week.

(Offered in alternate years, beginning 1917-18.)

4a. Mathematical Theory of Potential, with Applications.

2 lectures a week.

(Offered in alternate years, beginning 1918-19.)

4b. Electromagnetic Theory and Practice: Lectures and laboratory work introducing the fundamental phenomena of direct and alternating currents, with a study of commercial types of motors, generators, transformers and rectifiers. For students who have completed 3c, or 3d.

2 lectures, 3 laboratory hours a week.
(Offered in alternate years, beginning 1918-19.)

4c. Electron Theory of Matter and Electromagnetic Theory of Light: A study of the development of some of the more recent ideas concerning matter and energy. For students who have completed both 2d and 3d.

2 lectures a week.

4d. Elementary Thermodynamics and the Theory of Gases: Lectures on the relation of heat and energy, equations of state, and simple applications of Gibb's Phase Rule. An acquaintance with partial derivatives and differential equations is required.

2 lectures a week.

Department of Political Science

Political Economy.

1a. 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.*

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

1b. Essays will be required as term work from students taking course 1a.

2. The Industrial History of Canada since Confederation.

Text-book: *Canada and its Provinces, Volume* 9: General Economic History, 1867-1912.

3a. 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;* The Banking System of Canada: *Canada and its Provinces, Vol.* 10; 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 Provinces* (selected portions.)

3b. Essays will be required as term work from students taking Course 3a.

3c. The Economic History of Great Britain, various European counries 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.*

4a. Labor conditions and problems; Socialism; Syndicalism.

4b. Problems of Distribution, especially those relating to Interest and Wages.

4c. Courses in Transportation; International Trade; and Tariff Systems.

4d. Essays will be required as term work from students taking courses 4a, 4b and 4c.

4e. The History of Economic Theory from the Seventeenth Century.

Government.

1a. The Law of the English Constitution, together with the relation of the leading British colonial administrations to the Imperial Government.

1b. Federal Constitutional Law: the systems of Government of Canada, Australia and the United States.

Law.

1a. *Roman Law*—A review of the customary law of the regal period at Rome, with a short history of the law from the time of the Decemviri to the death of Justinian, giving also

an account of the growth of the unwritten law, praetor's edict, the formulary system, the jus naturae; the legislation during the Republic and under the Empire and the Justinian Code.

Text-book: *The Institutes of Justinian* by Sandars.

1b. *English Law*—The law before the Norman Conquest, the Saxon Invasion, and the changes wrought by the Conqueror and his successors. The growth of the feudal system and changes introduced by the legislation of Henry II., Edward I. and Edward III.

Text-book: Pollock and Maitland, *History of English Law, Vol. I.*

2a. *Jurisprudence*—The law of the English Constitution, giving a sketch of the two Houses of Parliament, the Cabinet in its relation to the Crown and Parliament, the prerogatives, the conventions, Courts.

Text-books: Dicey, *Law of the Constitution;* Anson, *Law and Custom of the Constitution.*

2b. *Public International Law*—Lectures on Colonial Constitutional Law, dealing with the various forms of Colonial Government with reference to the self-governing Colonies.

Text-book: Todd, *Parliamentary Government in the Colonies* (to page 318).

Department of Public Health

A series of fifteen lectures, optional for students of the second year, dealing with Public Health, Preventive Medicine and Hygiene. The modern methods of handling and preventing infectious diseases, the hygiene of water, milk, food and flies, the physiological principles involved in, and the significance of, ventilation, foods and feeding, water supplies, sewage disposal, vital statistics, infant mortality, etc., are included.

All subjects are so treated from the purely practical standpoint as to outline the principles and show the general methods based upon them. Technicalities are avoided, the aim being not to train public health specialists, but to give such information as any educated person should have concerning the great advances of modern public health in order that he or she may be able to understand and fit in with them. The ordinary infectious diseases are described as to their appearance and symptoms, so far as would be useful in the ordinary private life of a private citizen.

Students' Organizations

The Western University Gazette

EDITORIAL STAFF (1915-1916).

B. McDougall, '20, Editor-in-chief.
Paul S. McKibben, B.S., Ph. D., Consulting Editor.
Louis Aubrey Wood, B.A., B.D., Ph.D., Consulting Editor.
J. Vernon Hughes, '18, Medical College Editor.
J. F. Weir, '18, Associate Medical Editor.
D. R. Young, '16, E. M. Watson, '19, Assistant Medical Editors.
J. N. H. Mills, '16, Editor Huron College.
E. L. Armstrong, '18, Medical Sport Editor.
H. I. Wiley, '18, Medical Circulation Manager.
Edgar Westby, '17, Advertising Manager.
W. Clifford Martin, '16, Editor Arts Department.
Katharine J. Wardrope, '16, Coed's Corner.
Margaret Purdom, '18, Literary Society.
Martha F. Weir, '16, Exchange.
Alf. Shaw, '18, Short Circuits.
G. A. P. Brickenden, '18, Arts Sport Editor.
A. S. Mitchell, '18, Arts Circulation Manager.

The Athletic Association

The Western University Athletic Association, the governing body in all Athletic activities, is composed of one representative appointed by the Board of Governors, the President of the University, ex officio, one professor from each faculty, two students from each faculty and a Secretary-Treasurer, a member of the Faculty. A meeting is held every Monday during the academic year and the Committee, being truly representative, is able to discuss and act on all Athletic questions to the satisfaction of every department of University life. The student representatives are elected by the votes of the students and are responsible to the students for the deliberations of the Board. In addition to granting colors, handling all athletic finances, arranging and running Interfaculty contests in Football, Hockey, Track and Basketball, a first team in each of these sports is chosen and games arranged with other universities and clubs. Arrangements have

been completed whereby our Association has been admitted to the Intercollegiate Union and at the close of the war, when Intercollegiate contests are renewed, we shall be elegible for championship competition with our sister institutions. The supervision of the Gymnasium is also under the control of this Committee. During the past year it has been used by the students as a centre for all their activities. The Board of Governors have very kindly re-decorated and re-furnished the building so that we have now a building second to none for student functions.

OFFICERS 1915-1916.

Honorary President.....Dr. Braithwaite
President.....Dr. Neville
Vice President.....R. J. Kain
Secretary-treasurer.....G. Mel. Brock, B.A.
Committee..Major A. T. Little, Dr. Crane, C. M. Wortman, R. C. Kingswood, A. W. Smith.

The Literary Society

OFFICERS 1915-1916.

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

The New Areopagus Club (Debating)

OFFICERS FOR 1915-1916.

President.....H. Payne, '16
Vice-President.....S. R. Hunt, '16
Secretary.....F. H. Curran, '17

The Y. M. C. A.

OFFICERS 1915-1916.

President.....H. Payne, Arts, '16
Vice-President.....C. Wortman, Med. '19
Secretary-Treasurer.....W. L. Salmon, Arts, '19

W. U. C. O. T. C.

In November, 1914, a contingent of the Canadian Officers' Training Corps was organized at Western University under

the command of Major T. J. Murphy, of the Board of Governors. During the past year, especially, the work of the corps has attracted a goodly number of men of the various departments of the University and under the efficient instruction of the officer commanding, ably assisted by the late Capt. Henry E. Fair and Lieut. A. E. Burwell, both of the 7th Regiment, many have been able to qualify for Lieutenants' commissions and three, at least, for Captains'. And besides those who are going or have already gone overseas with other organizations, there are on the strength of our own unit, No. 10 Stationary (Western University) Hospital, Quartermaster Captain Brock and more than a dozen others who were members of the corps this last session.

Though the number of students available for such work will probably be greatly reduced next year, there is a prospect of a very successful season ahead because there are now enough qualified men belonging to the corps to make it independent of charity; while the assistance of the outside men was invaluable and appreciated accordingly, it will be a great advantage to be dependent only on those who have no other military associations and interests. It is felt, too, that the corps is able to use the foundation these men have laid so well as a preliminary preparation for the day when here, as at every other University in Canada, provision will have to be made for some such military training as the C. O. T. C. affords.

Appendix

DEGREES CONFERRED
1916

LL. D.

Sir Adam Beck, M.P.P. ..... Headley, London
F. Richard Eccles, M.D., F.R.C.S. (Edin.) ..... London
Hugh A. McCallum, M.D., M.R.C.P. (Lond.) ..... London
Walter H. Moorhouse, B.A., M.B ..... London

D. Sc.

Leonard G. Rowntree, M.D., Professor of Medicine, University of Minnesota.

M. A.

Lily May Bell, B.A ..... St. Catharines
Veda MacFarlane Carrothers, B.A. ..... London
Charles Wesley DeWitt Cosens, B.A. ..... London
Charles Levi Langford, B.A. ..... Owen Sound
Doris Lilian Liddicoatt, B.A. ..... London

B. A.

Gertrude Lauretta Bodkin ..... London
Nellie Irene Cousins ..... Belmont
Lulu Odell Gaiser ..... Crediton
Edna Holland ..... London
Stanley Russell Hunt ..... Lambeth
Roy Joseph Kain ..... Walkerton
Mary Brown Kenny ..... Ingersoll
William Clifford Martin ..... London
John Nixon Hamilton Mills ..... Orangeville
John Clarence Mitchell ..... (on active service) London
Orland Wilbery Mitton ..... Thamesville
Harold Payne ..... Preston
Joseph Stewart Ritchie ..... Port Arthur
Cecil Simpson ..... Galt
Katharine Jean Wardrope ..... London
John Hannington Whealen ..... Brantford
Martha Frances Irene Weir ..... London

M. D.

John Edgar Hawkings (B.A.) ..... London
Arthur John Ireland ..... St. Catharines

Wesley Nesbitt McCormick.....Trowbridge
Donald Cecil McFarlane.....Dorchester
Orland Wilbery Mitton.....Thamesville
Edward Emanuel Phoenix.....London
Harry Overton Pope.....Bothwell
George Wellington Renton.....London
James Gordon Ross (B.A.).....London
Harold Algernon Simpkins.....Thamesville
Daniel Logan Stewart.....Thamesville
Robert Hobbs Taylor.....London
Wilfred White.....Chatham
Harvey John Wildfang.....Elmwood
Donald Roy Young.....Thamesford

MEDAL, SCHOLARSHIP AND PRIZE WINNERS, 1916.

Governor-General's Medal—Martha Weir.
Canadian History Research Scholarship — Katharine Wardrope.
Typographical Union Gold Medal—Margaret Purdom.
Alumnae Scholarship—Edith M. Appleyard.

Board of Governors' Awards:

Third Year Honor Economics—Frank H. Curran.
Fourth Year General Proficiency—Lulu O. Gaiser.
Third Year General Proficiency—A. Dorothy Turville.
Second Year General Proficiency—Alfred G. Jacques.
First Year General Proficiency—Beatrice I. Simpson.
Fourth Year Constitutional History Prize—Harold Payne.
Third Year English Prize—Helen R. Harvey.
Third Year Philosophy Prize—Richard E. Crouch.
Second Year French Prize—Carrie E. Beer.
W. W. Tamblyn Prize for Public Speaking—E. Viola Philpot.

THE FACULTY OF MEDICINE

The thirty-fifth session of the Medical Department of the Western University will begin on October 2, 1916. Supplemental examinations will be given on September 30 and lectures will begin on October 3. Registration should be

completed on October 2; after October 3 a penalty is imposed for each day's delay. No student will be registered after October 15.

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.

HURON COLLEGE

Huron College was founded in 1863 for training men for the ministry of the Church of England. Through its efforts the original charter of the University was secured, and through many vicissitudes preserved, until in 1908 the City of London undertook to contribute annually to the maintenance of the Arts Department, when Huron College became an affiliated institution under entirely separate management.

For conditions of entrance and courses of study application should be made to the Principal, Huron College, London.

DEGREES IN DIVINITY, B.D. & D.D.

The above degrees can only be conferred by the Western University on the recommendation of an affiliated theological college.

Huron Theological College is in the federation of all the Theological Colleges of the Church of England in Canada, organized under a canon of the General Synod for the purpose of maintaining a uniform standard and conducting the examinations for these degrees. The examinations are held annually in October. Certificates of Standing obtained in the University on any of the prescribed work, e.g. Hebrew, are accepted pro tanto.

A schedule of the work required for either degree can be obtained from Rev. Professor C. Abbott-Smith, D.D., Secretary of the Board, Ingleholm, Bellevue Avenue, Westmount, Que.