C. C. Waller

WESTERN UNIVERSITY

LONDON, CANADA

COLLEGE OF ARTS

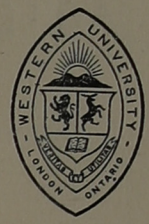


Announcement 1918-1919

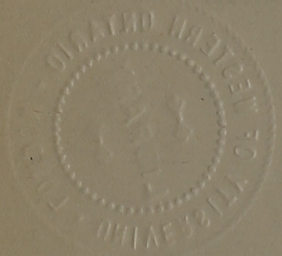
WESTERN UNIVERSITY

LONDON, CANADA

COLLEGE OF ARTS



Announcement 1918-1919



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TABLE OF CONTENTS

	Page
Calendar	4
Officers of Administration, University	5,6
Officers of Instruction, University	7-11
General Information	12,13
Officers of Administration, College of Arts	15
Officers of Instruction, College of Arts	15,16
General Regulations, College of Arts	17-28
Medals, Scholarships, Prizes	28
Fees	29
Time Table of General Course Classes	30,31
Requirements for Degrees	32-48
Description of Courses	48-93
Student Organizations	93,94
Degrees Conferred, 1917	94,95
Medals and Scholarships Awarded, 1917	95
Appendix	95-97
Index	98,99

UNIVERSITY CALENDAR

1918

September 16	Last day for receiving applications for removal of conditions.
September 24	Examinations for removal of conditions College of Arts begin.
September 28	Examinations for removal of conditions in the Medical School.
September 30, Monday	Registration day.
October 1	Lectures begin. Statutory meeting of the Committee on Academic Standing.
October 2	Last day for registration except on penalty of one dollar. Last day for first term fees.
October 9	Last day for registration except on penalty of two dollars.
October 14	Last day of registration for all except special students in the College of Arts.
Thanksgiving Day	Holiday.
December 20, 5 p.m.	Christmas vacation begins.

1919

January 2, 8 a.m.	Lectures resume. Last day for submitting outline for M.A. Theses.
January 20	Examinations first term begin.
January 25	First term ends.
January 27	Second term begins.
February 1	Last day for payment of second term fees.
April 16, 5 p.m.	Easter vacation begins.
April 22	Lectures resumed Medical School.
April 24, 8 a.m.	Lectures resumed in College of Arts.
May 10	Lectures for the second term in the College of Arts close.
May 12	Examinations for the second term in the College of Arts begin.
May 14	Lectures for the second term in the Medical School close.
May 15	Examinations in the Medical School begin.
May 28	University Field Day.
May 29	Convocation.

OFFICERS OF ADMINISTRATION

CHANCELLOR

THE HONORABLE WILLIAM J. ROCHE, M.D., LL.D., M.P.

PRESIDENT

EDWARD ERNEST BRAITHWAITE, M.A., B.D., PH.D.

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THE CHANCELLOR, *ex-officio*
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SENATE

THE PRESIDENT, Chairman, *ex-officio.*
THE REGISTRAR, Secretary, *ex-officio.*

	Representative of
DEAN N. C. JAMES,	*Faculty of the College of Arts.*
PROFESSOR BARKER,	*Faculty of the College of Arts.*
PROFESSOR FOX,	*Faculty of the College of Arts.*
PROFESSOR LIVINGSTON,	*Faculty of the College of Arts.*
PROFESSOR PATTERSON,	*Faculty of the College of Arts.*
PROFESSOR SLACK,	*Faculty of the College of Arts.*
PROFESSOR TAMBLYN,	*Faculty of the College of Arts.*
PROFESSOR WALLER,	*Faculty of the College of Arts.*
PROFESSOR WOOD,	*Faculty of the College of Arts.*
DEAN H. A. MCCALLUM,	*Faculty of the Medical School.*
PROFESSOR P. S. MCKIBBEN,	*Faculty of the Medical School.*
DIRECTOR H. W. HILL,	*Faculty of Public Health.*
DR. D. A. CRAIG,	*Faculty of Public Health.*
RT. REV. DAVID WILLIAMS,	*Council of Huron College.*
MR. J. K. H. POPE,	*Council of Huron College.*
MR. J. DEARNESS,	*Graduates of the College of Arts.*
DR. R. FERGUSON,	*Graduates of the Medical School.*

REV. S. P. IRWIN,	*Graduates of Huron College.*
C. B. EDWARDS, P. S. I.	*Board of Governors.*
MR. H. P. ARCHER,	*Board of Governors.*
PRINCIPAL G. F. ROGERS,	*London Board of Education.*
REV. D. O'CONNOR,	*London Separate School Board.*
DR. F. R. ECCLES,	*City Council of London.*
DR. W. H. MOOREHOUSE,	*Ci y Council of London.*
DR. S. J. RADCLIFFE,	*City Council of London.*
MR. W. E. MCKEOUGH,	*City Council of Chatham.*
DR. FRED GUEST,	*City Council of St. Thomas.*
JUDGE J. A. BARRON,	*City Council of Stratford.*
REV. D. W. COLLINS,	*City Council of Windsor.*
S. FRANK GLASS, M.P.,	*County Council of Middlesex.*
JUDGE C. W. COULTER,	*County Council of Elgin.*
DR. D. A. MAXWELL,	*County Council of Essex.*
MR. W. LANE,	*County Council of Huron.*
MR. J. H. SMITH,	*County Council of Kent.*
REV. J. J. PATERSON,	*County Council of Lambton.*
MR. N. E. BIRTCH,	*County Council of Oxford.*
MR. J. M. MCCALLUM,	*County Council of Perth.*
DR. W. J. FISCHER,	*County Council of Waterloo.*

OFFICERS OF INSTRUCTION.

(The year of first appointment to present professional position is given. *On military service, M. D. I.; **on military service overseas).

EDWARD ERNEST BRAITHWAITE, *President.*
554 Waterloo St.

B. A. McGill, 1886; B. D., Oberlin, 1890; M.A., Harvard, 1901; Ph. D., *ibid*, 1904. 1914

ERNEST FRANKLIN BARKER, *Professor of Physics.*
St. George Apts.

B. S., Rochester, 1908; M.A., Michigan, 1913; Ph.D., *ibid*, 1915. 1915

*JAMES W. CRANE, *Professor of Pharmacology.*
871 Hellmuth Ave.

M. B., Toronto, 1898; Head of the Department of Pharmacology. 1914

WILLIAM SHERWOOD FOX, *Professor of Classics.*
1004 Waterloo St.

B. A., McMaster, 1900; M.A., *ibid*, 1906; Ph.D., Johns Hopkins, 1911; 1917

*HIBBERT WINSOR HILL, *Professor of Public Health.*
Institute of Public Health.

M. B., Toronto, 1893; M.D., *ibid*,; D.P.H., *ibid*; Director of the Institute of Public Health; Chief of the Division of Epidemiology, Vital Statistics and Sanitary Engineering, Institute of Public Health; M.O.H. of City of London, Canada; Sanitary Engineer, Military District No. 1. 1910

NATHANIEL CHAMNEY JAMES, *Professor of German.*
157 St. James St.

B. A., Toronto, 1883; Ph.D., Halle, 1893; Dean of the College of Arts. 1896

ALBERT ARTHUR LIVINGSTON,
Professor of Romance Languages.
306 King St.

B. A., Amherst, 1904; Ph.D., Columbia, 1911. 1917

*HUGH A. MCCALLUM, *Professor of Medicine.*
380 Queen's Ave.

M. D., Western, 1886; M. R. C. P., London, 1887; LL.D., Western, 1916; Dean of the College of Medicine; Chief of the Department of Medicine. 1915

†PAUL S. MCKIBBEN, *Professor of Anatomy*
Medical School.

B. S., Denison, 1904; Ph.D., Chicago, 1911; Chief of the Department of Anatomy; Secretary of the Executive Committee of the Faculty of Medicine; Assistant to the Dean of the Medical School 1913

HENRY MEEK, *Professor of Gynecology and Obstetrics.*
330 Queen's Ave.

M. D., Queen's, 1878; Chief of the Department of Gynecology & Obstetrics. 1913

*F. R. MILLER, *Professor of Physiology.*
Medical School.

B. A., Toronto, 1903; M. B., *ibid*, 1907; M. A., *ibid*, 1910; M. D., Miinchen, 1911; Chief of the Department of Physiology. 1914

KENNETH PERCIVAL RUTHERFORD NEVILLE,
Professor of Classics.
520 Colborne St.

B. A., Queen's, 1896; M. A., *ibid*, 1897; B. A., Harvard, 1898; M. A., *ibid*, 1899; Ph.D., Cornell, 1901; Registrar of the University 1908

†*On leave of absence, while engaged in military work for U. S. government.*

WILLIAM JOHN PATTERSON, *Professor of Mathematics.*
856 Hellmuth Ave.
B. A., Queen's, 1888; M. A., *ibid.*, 1895; Post Graduate, Clark, 1901-3 1906

ALBERT J. SLACK, *Professor of Chemistry.*
Institute of Public Health.
Ph.C., Massachusetts College of Pharmacy, 1904; Chief of the Division of Chemistry, Institute of Public Health. 1910

WILLIAM FERGUSON TAMBLYN, *Professor of English Literature.*
318 Grosvenor St.
B. A., Toronto, 1895; Ph.D., Columbia, 1900 1902

CHARLES CAMERON WALLER, *Professor of Hebrew.*
Huron College.
B. A., Cambridge, 1890; M. A., *ibid*, 1902; M. A., McGill, 1906; D.D., Western, 1915; Principal of Huron College. 1908

*HADLEY WILLIAMS, *Professor of Surgery.*
441 Park Ave.
M. D., Western, 1888; F. R. C. S., England; F. A. C. S.; Chief of the Department of Surgery. 1913

LOUIS AUBREY WOOD, *Professor of History and Economics.*
296 Princess Ave.
B. A., Toronto, 1905; B. D., Montreal Presbyterian, 1908; Ph.D., Heidelberg, 1911; Secretary of the Faculty of the College of Arts. 1915

*NORMAN B. ALEXANDER, *Associate Professor of Anaesthesia.*
473 Park Ave.
M. D., Western, 1898. 1913

NORMAN H. BEAL, *Associate Professor of Clinical Surgery.*
Lecturer in Surgery.
447 Dundas St.
M. D., Western, 1906; F. A. C. S. 1913

JAMES B. CAMBPELL, *Associate Professor of Medicine.*
380 Dundas St.
M. A., Western, 1904; M. D., *ibid*, 1908. 1913

GEORGE L. CLARK, *Associate Professor Eye, Ear, Nose and Throat.*
394 Dundas St.
M. D., Western, 1899 . 1913

C. M. CRAWFORD, *Associate Professor of Psychiatry*
The Asylum.
B. A.; M. D.

R. FERGUSON, *Associate Professor of Gynecology and Obstetrics.*
141 Wortley Rd.
B. A., Toronto; M. D., Western, 1890. 1913

ANGUS GRAHAM, *Associate Professor of Medicine.*
510 King St.
M. D., Queen's, 1885. 1913

F. W. LUNEY, *Associate Professor of Pathology.*
Institute of Public Health.
M. D., Western, 1914; Chief of Division of Pathology in Institute of Public Health.

JOHN A. MACGREGOR, *Associate Professor of Medicine.*
331 Queen's Ave.
M. D., Western, 1892 1913

ALBERT DUNCAN ROBERTSON, *Associate Professor of Biology. Lecturer in Geology.*
911 Wellington St.
B. A., Toronto, 1910. 1915

WILLIAM J. ROBINSON, *Associate Professor of Psychiatry.*
The Asylum.
M. B., Toronto, 1883. 1913

**EDWIN SEABORN, *Associate Professor of Clinical Surgery.*
469 Park Ave.
M. D. Western, 1895; F. A. C. S. 1913

SEPTIMUS THOMPSON,
Associate Professor Eye, Ear, Nose and Throat.
443 Park Ave.
M. D., Western, 1900. 1913

WILLIAM J. TILLMAN, *Associate Professor of Pediatrics.*
612 Richmond St.
M. D., Western, 1898. 1913

**E. H. YOUNG, *Associate Professor of Psychiatry.*
The Asylum.
M. D., Toronto. 1913

H. HOMER BLACK,
Assistant Professor of Gynecology and Obstetrics.
469 King St.
Phm.B., Toronto; M. D., Western, 1906. 1913

EMERSON L. HODGINS, *Assistant Professor Clinical Surgery*
312 Oxford St.
M. B., Toronto, 1903; F. R. C. S., England. 1913

JOHN C. LINDSAY, *Assistant Professor of Pediatrics.*
719 Dundas St.
M. B., Toronto, 1898. 1913

WILLIAM J. STEVENSON,
Assistant Professor of Gynecology and Obstetrics.
389 Dundas St.
M. D., Western, 1896. 1913

ERNEST L. WILLIAMS,
Assistant Professor of Gynecology and Obstetrics.
363 Queen's Ave.
M. D., Western, 1899. 1913

**J. CAMERON WILSON,
Assistant Professor of Surgical Anatomy.
260 Queen's Ave.
M. D., Western, 1910. 1913

GEORGE MCNEILL, *Assistant Professor of X-Ray.*
245 Queen's Ave.
M. D., Western, 1902. 1913

HILDA BAYNES, *Lecturer in French.*
Oxford St.
B.ès L., Paris, 1913. 1915

**GEORGE MELBOURNE BROCK, *Lecturer in English and History. Faculty Director of Athletics.*
B. A., Toronto, 1914. 1915

F. J. H. CAMPBELL, *Lecturer in Anatomy.*
Medical School.
B. A., Western, 1912; M. D., *ibid*, 1917. 1917

J. ROY N. CHILDS, *Lecturer in Pathology.*
221 Queen's Ave.
M. D., Western, 1909.

F. R. CLEGG, *Lecturer in Gynecology and Obstetrics.*
405 Dundas St.
M. D., Western, 1912. 1916

A. S. DUNCAN, *Lecturer in Medicine.*
849 Dundas St.
M. D., Western, 1911.

F. W. HUGHES, *Lecturer in Clinical Medicine.*
234 Queen's Ave.
M. D., Western, 1894.

**GEORGE L. JEPSON, *Lecturer in Materia Medica.*
M. D., Western, 1910.

FREDERICK LANDON, *Lecturer in English and History.*
76 Bruce St.
B. A., Western, 1906. 1917

DUNCAN MCARTHUR, *Lecturer in Philosophy.*
443 Waterloo St.
M. A., Queen's, 1908. 1917

FINLEY E. PERRIN, *Lecturer in Political Science (Law).*
697 Talbot St.
B. A., Toronto, 1892; Osgoode Hall, 1898. 1915

GEORGE BLOOMFIELD SAGE, *Lecturer in Philosophy.*
225 Wharncliffe Rd.
B. A., Trinity, 1880; B. D., *ibid*, 1887; M. A., *ibid*, 1910; D. D., Western, 1909. 1908

**G. W. A. AITKEN, *Instructor in Pharmacology and Clinical Medicine.*
99 Ridout St.
M. D., Western, 1914.

S. J. T. BEAN, *Instructor in Clinical Medicine.*
229 Wharncliffe Rd.
M. D., Western, 1914.

SEDLEY NELSON BEST, *Instructor in Chemistry.*
Institute of Public Health.
Pharm.D., Massachusetts College of Pharmacy, 1911; Ph.C., *ibid*, 1912

**CLARENCE E. BROWN, *Instructor in Clinical Medicine.*
442 Park Ave.
M. D., Western, 1909.

**EVANS G. DAVIS, *Instructor in Surgical Anatomy.*
M. D., Western, 1906. 140 Wortley Rd.

JOHN I. FERGUSON,
Instructor in Pediatrics and in Clinical Medicine.
M. D., Western, 1900. 141 Wortley Rd.

MISS MONA FITZGERALD *Instructor in Athletics for Women.*
Y. W. C. A., King St.

**GEORGE C. HALE, *Instructor in Clinical Medicine.*
M. D., C. M., McGill. Hayman Court.

**C. A. HARRIS, *Instructor in Clinical Medicine.*
M. D., Western, 1913. 421 Dundas St.

E. J. KIBBE, *Instructor in Tuberculosis.*
The Sanitorium.
M. D.; Superintendent of the Alexandra Sanitorium. 1918

GEORGIA MAUD NEWBURY, *Instructor in Public Speaking.*
London Conservatory of Music.
Emerson College of Oratory, 1910; Postgraduate, *ibid*, 1911. 1915

**GEORGE A. RAMSAY,
Instructor in Clinical Surgery and Surgical Anatomy.
Instructor in Pathology and Bacteriology.
M. D., Western, 1910.

HERMAN E. SCHAEF, *Instructor in Anatomy.*
M. D., Western, 1905. 1225 Dundas St.

G. E. SMITH, *Instructor in Chemistry.*
Institute of Public Health.
B. A. Sc., Toronto, 1910; Assistant Chemist, Institute of Public Health.

EDWARD SPENCE, *Instructor in Clinical Medicine.*
M. D., Western, 1904. 545 King St.

HANS OLDING FOUCAR, *Instructor in Pathology and Physiology*
Institute of Public Health.
B. A., Western, 1918; M. D., *ibid*, 1917; Assistant in the Division of Pathology in the Institute of Public Health. 1917

ARTHUR W. SMITH, *Student Assistant in Athletics.*
Gymnasium.

W. H. W. SHOSENBERG, *Student Assistant in Anatomy.*
Medical School.

C. M. WORTMAN, *Student Assistant in Anatomy.*
Medical School.

OTHER OFFICIALS.

MISS MARJORIE ROSS, *Secretary to the President.*
B. A., Toronto, 1916. 310 Wolfe St.

GENERAL INFORMATION

Western University is composed of three units, the College of Arts, the Medical School. and the Institute of Public Health; affiliated with the University is one theological College, viz., Huron.

By the 1908 amendments to the act incorporating Western University, it was stipulated that the government of the University should be absolutely undenominational and be under public, municipal, or provincial control or any or all of these.

DEGREES

By its charter Western University may confer degrees in Arts, Medicine, Science, Agriculture, Law, Education and Theology, 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:

1. Honorary Degrees: *Doctor of Divinity; Doctor of Science; Doctor of Laws.
2. Degrees by examination: Bachelor of Arts (B.A.); *Bachelor of Divinity (B.D.); Master of Arts (M.A.); Doctor of Medicine (M.D.); *Doctor of Divinity (D.D.).

ACADEMIC COSTUME

The degrees have their distinctive costume 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—dark green.
Science—gold yellow.
Laws—purple.
Theology—scarlet.

*The degrees so indicated can be conferred by the University only on the recommendation of an affiliated theological college. The last degree, Doctor of Divinity by examination, is under the jurisdiction of the Board of Theological Colleges of the Church of England in Canada.

Hoods

Hoods shall be of the usual pattern, same material as the gown, black, length proportioned to the figure, maximum being three feet long for Bachelors, four for Masters and Doctors; the latter also have panels at the sides.

The edging or binding shall be of velvet of the color distinctive of the faculty granting the degree. (See 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

Caps shall be mortar-boards, 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.

The College of Arts.

OFFICERS OF ADMINISTRATION

PRESIDENT

Edward E. Braithwaite, M. A., B.D., Ph.D.

DEAN

Nathaniel Chamney James, Ph.D.

SECRETARY

Louis Aubrey Wood, B.D., Ph.D.

COMMITTEE ON ACADEMIC STANDING

The Dean, The Registrar, Professor Barker

REPRESENTATIVE ON THE UNIVERSITY LIBRARY BOARD

W. Sherwood Fox, Ph.D.

REPRESENTATIVE ON THE ATHLETIC BOARD

K. P. R. Neville, Ph.D.

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Ernest Franklin Barker, M.A., Ph.D.,
Professor of Physics.

William Sherwood Fox, M.A., Ph.D.,
Professor of Classics.

Nathaniel Chamney James, B.A., Ph.D.,
Professor of German.

Albert Arthur Livingston, B.A., Ph.D.,
Professor of Romance Languages.

K. P. R. Neville, M.A., Ph.D.,
Professor of Classics.

William John Patterson, M.A.,
Professor of Mathematics.

Albert J. Slack, Ph.C.,
Professor of Chemistry.

William Ferguson Tamblyn, B.A., Ph.D.,
Professor of English Literature.

Charles Cameron Waller, M.A., D.D.,
Professor of Hebrew.

LOUIS AUBREY WOOD, B.D., PH.D.,
Professor of History and Political Economy.
ALBERT DUNCAN ROBERTSON, B.A.,
Associate Professor of Biology, Lecturer in Geology.
HILDA BAYNES, B. ès L.,
Lecturer in French.
**GEORGE MELBOURNE BROCK, B.A.,
Lecturer in English and History.
Faculty Director of Athletics.
*HIBBERT W. HILL, M.B., M.D., D.P.H.,
Lecturer in Public Health.
FREDERICK LANDON, B.A.,
Lecturer in English and History.
DUNCAN MCARTHUR, M.A.,
Lecturer in Philosophy.
FINLEY E. PERRIN, B.A.,
Lecturer in Political Science (Law).
GEORGE BLOOMFIELD SAGE, M.A., D.D.,
Lecturer in Ethics and Psychology.
SEDLEY NELSON BEST, PHARM.D., PH.C.,
Instructor in Chemistry.
GEORGIA MAUD NEWBURY,
Instructor in Public Speaking.
MONA FITZGERALD,
Instructor in Athletics for Women.

**On active service overseas.
*On active service, M.D.I.

GENERAL REGULATIONS

ADMISSION

1. Candidates shall be admitted to the General Course in the College of Arts who present certificates of full Departmental Junior Matriculation or its recognized equivalent, as in section 7 (a) below. A medical examination must be passed by all students.

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.
	Academy Grade III.
Quebec	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.
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 twelve credit hours of work in any 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. Extramural candidates for degrees must, if registered for the first time later than 1916, have attended upon lectures in this or another university for at least one year. For the details of this course see page 37.

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. But no student will be admitted to the degree of Bachelor of Arts (General Course) who has not obtained grade C on all the prescribed and elective work of his course, and who has not obtained grade B on at least half the credit hours required for his degree and grade B on half the credit hours of the senior year.

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 forty 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.

14. Students in the General Course who have not attended at least ninety per cent. of the lectures for the term in a course shall be debarred from taking the sessional examination on that course.

15. Sessional examinations will be held for the general Arts courses 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 course. 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 course. 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 forty per cent. on the supplemental examination in a course shall not be eligible for re-examination without a further year's attendance on the lectures in the course 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 credit hours 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 course without previous attendance upon classes.

20. When a candidate at an examination is starred in a course which is one of two or more courses between which an option exists at the said examination, the candidate at his supplemental examination may present himself in any one of such alternative courses 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.

22. No credit towards a degree will be given for the first year of a foreign language unless that year is followed by a second year in the same language.

23. No optional course need be given unless it is elected by at least two students.

B.A. SPECIAL COURSES

These courses, by agreement with the Department of Education of Ontario, lead to High School Assistants' and Public and Separate School Inspectors' Certificates.

24. **Academic Standing.**

(1). A candidate, who in 1917 or thereafter, begins a course for the academic standing of a High School Assistant or a Public or a Separate School Inspector in Ontario, may have his standing approved therefor by the Minister of Education, provided he holds a degree in Arts and submits a certificate from the Registrar that he has complied with the requirements of the agreement between the Department of Education and the Western University in regard to the courses and examinations prescribed.

(2). If in 1917 a candidate has already completed any of the years of the course for the academic standing of a High School Assistant, he may, with the Minister's approval, complete his course for said standing by taking the additional courses and examinations as prescribed in the Calendar of the University for 1916-17 and by passing the examination for a professional certificate not later than 1923.

25. **Matriculation.**

A candidate shall have matriculated under the regulations in force in 1917.

26. **Courses.**

(1). A candidate for a High School Assistant's certificate under the regulations prescribed herein may take either of the courses detailed below (pp. 35, 36).

(2). A candidate for a Public or Separate School Inspector's certificate under the regulations prescribed herein shall take Course II, as prescribed below (pp. 36)

(3). The course of a candidate for either certificate shall extend over at least four years and he shall attend the University classes for at least two years, one of which shall be the regular session of the Fourth Year and the other year shall be one of the other regular sessions.

(4). Candidates presenting certificates of Faculty Entrance or of Honor Junior Matriculation in one or more subjects may be credited with First Year's standing in the subjects corresponding to their certificates except the laboratory courses in the Sciences.

27. **Percentages.**

(1). A candidate for the academic standing of a High School Assistant in either course I or course II, shall obtain at least 40 per cent. in each subject and an average of 60 per cent. on the subjects of each year.

(2). A candidate for the academic standing of a Public or Separate School Inspector shall obtain at least 50 per cent. in each subject of Course II, and an average of 66 per cent. on the subjects of each year.

28. **Registrar's Certificates.**

The certificates submitted from the Registrar shall in all cases set forth the details and shall be subject to the Minister's approval.

THE B.A. EXTRAMURAL COURSE

Extramural courses shall be of two kinds (a) Complementary Extramural Courses and (b) Pure Extramural Courses.

29. **Complementary Courses.**

(a) A complementary Extramural course is the extramural complement of one summer term course and must be completed at the May examinations of the winter session following the summer term attended. Only by fulfilling this condition is it possible for a student to proceed to the more advanced courses offered in the summer or winter terms.

(b) Each summer term course together with its complementary extramural course shall be equal in credit hours to the B. A. General Course subject that corresponds in prerequisite demands and in difficulty to them.

(c) Students are eligible to begin a Complementary Extramural Course upon passing the September examination of the Summer term course of which it is the complement.

(d) A complementary Extramural course has been completed when the student has submitted to the instructor in charge the prescribed exercises, essays, etc., has obtained satisfactory standing therein and has passed the final examination of the course for that year.

30. **Pure Extramural Courses.**

These courses are independent of attendance upon lectures: they are intended, mainly, for students who have completed four summer terms or their equivalent in the B. A. General Course. Courses in the Sciences, in Mathematics and in any elementary foreign language cannot under

any circumstances be included among these courses. Students pursuing these pure extramural courses are subject to the same regulations in regard to exercises, essays, examinations, etc., as those pursuing complementary extramural courses.

31. **Registration.**

(a) Registration Day for extramural students is the same as for intramural students.

(b) Extramural students are subject to the same penalties for late registration as intramural students and cannot register at all after Oct. 14th.

32. **Examinations.**

(a) *Pure Extramural Course* examinations are held at the same time as the Supplemental and the Summer term examinations in September.; also in January and May.

(b) *The Complementary Extramural Course* examinations are held in January and May on such proportions of the work of the course as the instructor may determine.

(c) All these examinations may be held at a local centre if five or more students desire it and guarantee all expenses of the presiding examiner, who shall be appointed by the University.

33. **Fees.**

(a) The annual Registration fee is ten dollars payable to the Registrar at the time of registration.

(b) The examination fee for the summer term examinations or the September Pure Extramural courses is five dollars. The fee for the other regular examinations of the year, January and May, is five dollars payable in full at the first examination taken.

(c) Examination fees are payable as here outlined if examinations are held at a local centre.

(d) Extramural students shall at the time of registration pay a special fee of two dollars to cover cost of return of exercises and essays and defray cost of correspondence.

(e) Books may be borrowed from the University Library through any local Public Library or they may be had directly from the University Library by depositing a general guarantee of five dollars with the Registrar. This fee, minus deductions for postage, damages and losses, will be returned to the student at the end of the winter session.

THE B.A. HONOR COURSES

34. 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 39, 40, 41, 42.

35. Candidates presenting certificates of Departmental Honor Junior Matriculation or their equivalent 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%).

36. Candidates presenting certificates as in section 35 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.

37. 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.

38. Students of the General Course who have completed the First Year as in section 37 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.

39. 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.

40. 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.

41. 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.

42. Candidates presenting Faculty Entrance certi-

ficates, 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.

43. In the application of sections 34-42 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.

44. 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.

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

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

47. 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.

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

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

THE B.A., M.D. COURSE

50. **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 Edu-

cation of the Province of Ontario; or its recognized equivalent (see Section 7).

Certificate of having passed the Honor Junior 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 17.

51. **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 Medical School 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.

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.

THE M.A. COURSE

52. 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 53.

53. 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 College of Arts may be admitted as candidates for the Degree of Master of Arts.

54. 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 53.

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

56. All candidates must be in registered attendance in the College of Arts of 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.

57. 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 56.

58. 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.

59. All candidates shall present theses embodying the result of their own investigation in some department of study approved by the Faculty of the College of Arts.

60. The subject of the thesis must lie in the College of Arts and in that part of his 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.

61. The candidates must register not later than October 14th and submit to the Faculty of the College of Arts, through the Registrar, an outline of the proposed thesis, not later than January 1.

62. 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.

63. 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 accom-

panied with the fee of **Twenty Dollars; ten dollars** of which will be returned to the candidate if unsuccessful.

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

MEDALS, SCHOLARSHIPS, PRIZES

The Governor General's Medal, Fourth Year Honor English and History.

The U. A. Buchner Gold Medal, Fourth Year Honor Political Science.

The Typographical Union Gold Medal, Second Year English Composition.

Scholarships of Seventy-five Dollars each for:
- Third Year Honor Modern Languages.
- Third Year Honor Mathematics.
- Second Year Honor Modern Languages.
- Second Year Honor English and History.
- Second Year Honor Biology.
- First Year Honor English and History.
- First Year Honor Modern Languages.
- First Year Honor Biology.

Scholarships of Fifty Dollars each for:
- General Proficiency in the Third Year of the General Course.
- General Proficiency for the Second Year of the General Course.
- General Proficiency for the First Year of the General Course.

Scholarship of Forty-five Dollars, **The Alumnae Scholarship,** available only for a female student; to be awarded by the Faculty according to me it, preference to be given to a student of the Third Year.

Prizes of Ten Dollars each for:
- Fourth Year Constitutional History of England and Canada.
- Third Year English.
- Third Year History of Philosophy.
- Second Year French.
- Second Year German.
- Second Year Latin.
- First Year Physics.

The W. W. Tamblyn Prize for Elocution and Public Speaking.

Except in the case of fourth year awards these scholarships will be paid only to students who are in actual attendance and carrying a full year's work in the University during the year following the award.

FEES

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

Admission Examination	$ 5.00
Instruction, full course, annual	45.00
Instruction, each major subject taken separately, annual	8.00
Each minor subject taken separately, annual	5.00
Physical Training	5.00
University Examination in May	5.00
University Examination, one subject, May	2.00
University Examination, two subjects, May	4.00
University Examination, May supplemental	2.00
University Examination, September supplemental	5.00
University Examination at dates other than January, May and September	10.00
Examination at a local centre	10.00
Change of Faculty	5.00
Change of Registration	1.00
Admission *ad eundem statum*	5.00
Certificate of Standing	2.00
Annual Enrolment, extramural student only	10.00
Annual Enrolment in Arts, extramural medical only	5.00
Degree of B.A.	10.00
Degree of M.A.	20.00

NOTE—(1) A supplemental examination is an examination set on work in which a student has failed during the year. Supplementals in May will be offered for those who failed in January; in September for those who failed in May. No special supplemental examination will be given within three months of failure.

(2) All fees for instruction are payable as follows:—one-half by October 2, one-half by February 1. Students must register and pay the fee for examination before presenting themselves for any papers.

(3) A major subject is a subject for which at least two credit hours are given; a minor, one credit hour. English Composition (English 12, 22) by exception is a major subject.

TIMETABLE OF GENERAL COURSE CLASSES

	9–10	10–11	11–12	12–1
Monday	Biol. 10ab Eng. 30 Ger. 20	Biol. 10ab Eng. 20 Hist. 31a, 31b Hebrew 40 Greek 10	Biol. 10ab Latin 20 French 40 Latin 40	French 20 German 40 Hebrew 10 Grk. 30a or 40
Tuesday	Phys. 20 Math. 10 Eng. 40 Ger. 30	Phys. 20 English 10 Hist. 41a, 41b Greek 20 Latin 30 or 31	Physics 20 Latin 10 History 42 French 30 History 20	Physics 20 French 10
Wednesday	Phys. 10 Eng. 30 Ger. 20	Physics 10 Biol. 40a, 40b English 22 Hist. 31a, 31b Hebrew 40 Greek 10	Physics 10 Biol. 40a, 40b Latin 20 French 40 Latin 40	Physics 10 Biol. 40a, 40b French 20 German 40 Hebrew 10 Phil. 20 Grk. 30 or 40
Thursday	Math. 11 Eng. 40 Ger. 30	English 12 Biology 40 Greek 20 Latin 30 or 31	Latin 10 Biology 40 Hist. 44a, 44b French 30 History 20	Chapel
Friday	Phys. 20 Math. 10 Eng. 30 Ger. 20 Phil. 21	Phys. 40 (lect.) English 20 Philosophy 31 English 11 Hebrew 40	Physics 10 Latin 20 French 40 Greek 10 Latin 40	French 20 German 40 French 10 Hebrew 10 Grk. 30 or 40
Saturday	Math. 11 Eng. 40 Ger. 30	English 10 Greek 20 Biology 30 Hist. 41a, 41b Lat. 30 or 31	Latin 10 Biology 30 History 43 French 30 History 20	French 10

TIMETABLE OF GENERAL COURSE CLASSES

	2–3	3–4	4–5	5–6
nday	Phys. 30 Chem. 10 Spanish 20 Italian 20 Geol. 30	Physics 30 Chemistry 10 Pol. Econ. 40 Geology 30 Hebrew 20	Physics 30 Chemistry 10	
esday	Phys. 40 Chem. 30 Ger. 10 Spanish 10 Italian 10	Physics 40 Chemistry 30 Pol. Econ. 20 Hebrew 30	Physics 40 Phys. Train. 10 Phys. Training 20	Physics 40 Phys. Train. 12, 22, 32, 42 Phys. Train. 10 20 Philosophy 40
dnesday	Chem. 20 Biol. 20 Ger. 10 Spanish 20 Italian 20 Geol. 30	Chemistry 20 Biology 20 Pol. Econ. 40 Geology 30 Hebrew 20	Chemistry 20 Public Health 10 Biology 20 Geology 30	Public Health 10 Philosophy 30
ursday	Phys. 12 Chem. 10 Chem. 30 Biol. 20 Spanish 10 Italian 10	Physics 12 Chemistry 10 Hebrew 30 Chemistry 30 Biology 20 Pol. Econ. 20	Physics 12 Chemistry 30 Phys. Train. 10, 20	Phys. Train. 10, 20 Phys. Train. 12, 22 32, 42 Philosophy 40
iday	Phys. 31 Chem. 20 Biol. 30 Ger. 10 Spanish 20 Italian 20	Physics 31 Chemistry 20 Biology 30 Spanish 10 Italian 10 Hebrew 20 Pol. Econ. 40	Physics 31 Chemistry 20 Biology 10 Biology 30 Hebrew 30	Biology 10 Philosophy 30
aturday			Phys. Training, 12 22, 32, 42	Phys. Training, 12, 22, 32, 42

REQUIREMENTS FOR DEGREES

The system of numbering employed in the designation of courses in this Announcement is this: a course that is usually given to students in the first year of the General Courses is numbered somewhere between 10 and 19; courses for second year students in the General Courses fall between numbers 20 and 29; for third year students in the General Courses between 30 and 39 and for fourth year students in the General Courses between 40 and 49. Courses usually given for first year students in an Honor Course are numbered somewhere between 100 and 199; for second year students in an Honor Course between 200 and 299; for third year between 300 and 399 and for fourth year between 400 and 499. A course given in the first term only is designated by the letter 'a' following the number; in the second term only by 'b' following the number; a number followed by 's' indicates that that course is offered in the summer session. Courses numbered from 1 to 9 are preparatory courses offered in a few subjects for which adequate provision for beginning work is not made in the Collegiates and High Schools of Ontario. Courses indicated by a number followed by 'G' are especially designed to meet the needs of candidates for the degree of Master of Arts. Courses indicated by a number followed by 'E' are for Extramural candidates for degrees. Thus German 30a means a course for third year students and offered in the first term only; Physics 400 is an honor course in Physics open to the fourth year Honor students. Latin 12s is a course offered in the summer session for those with first year qualifications.

B.A. GENERAL COURSE

First Year

Subject	*Hours Per Week*	*Credit Hours*
English 10	2	2
English 11	1	1
English 12	1	1
Latin 10	3	3
Mathematics 10	2	2
Mathematics 11	2	2
Public Health and Bacteriology 10	1	1
Physical Training 10 or 11 or 12	2	1
And any *six* credit hours from the following:		
French 10	3	3
German 10	3	3
Greek 10	3	3
Hebrew 10	3	3
Biology 10a 10b	5	3½
Chemistry 10	5	3
Physics 10	5	3
Italian 10	3	3
Spanish 10	3	3

Second Year

English 20	2	2
English 22	1	1
Physical Training 20 or 21 or 22	2	1
Latin 20	3	3
And any *twelve* credit hours from the following:		
History 20	3	3
Mathematics 20, 21, 22	3	3

French 20	3	3
German 20	3	3
Greek 20	3	3
Hebrew 20	3	3
Biology 20a 20b	5	3½
Chemistry 20	6	3
Physics 20	5	3
Political Economy 20	2	2
Philosophy 20	1	1
Philosophy 21	1	1
Italian 20	3	3
Spanish 20	3	3
*French 10	3	3
*German 10	3	3
*Greek 10	3	3
*Hebrew 10	3	3
*Biology 10a 10b	5	3½
*Chemistry 10	5	3
*Physics 10	5	3
*Italian 10	3	3
*Spanish 10	3	3

Third Year

English 30	3	3
History 31a, 31b	3	3
Philosophy 30	2	2
Philosophy 31	1	1
And any *nine* credit hours from the following:		
French 30	3	3
German 30	3	3
Greek 30 or 40	3	3
Hebrew 30	3	3
Latin 30 or 31 or 40	3	3
Political Economy 30	2	2
Biology 30a, 30b	5	3
Chemistry 30	5	3
Physics 30 or 40	5	3
Italian 30	3	3
Spanish 30	3	3
Geology 30	5	3
*History 20	3	3
*Mathematics 20, 21, 22	3	3
*French 20	3	3
*German 20	3	3

*All courses so indicated are options open only to those who have not already received credit for them.

*Greek 20	3	3
*Hebrew 20	3	3
*Biology 20a, 20b	5	3½
*Chemistry 20	6	3
*Physics 20	5	3
*Political Economy 20	2	2
*Philosophy 20	1	1
*Philosophy 21	1	1
*Italian 20	3	3
*Spanish 20	3	3

Fourth Year

English 40, 41, 42	3	3
History 41a, 41b	3	3
History 42, 43	2	2

And any *nine* credit hours from the following:

French 40	3	3
German 40	3	3
Greek 40 or 30	3	3
Latin 40 or 30 or 31	3	3
Hebrew 40	3	3
Italian 40	3	3
Spanish 40	3	3
History 44a, 44b	2	2
Political Economy 40	2	2
Geology 40	5	3
Chemistry 40	5	3
Biology 40a, 40b	5	3
Philosophy 40	2	2
*French 30	3	3
*German 30	3	3
*Hebrew 30	3	3
*Political Economy 30	2	2
*Biology 30a, 30b	5	3
*Chemistry 30	5	3
*Physics 30	5	3
*Spanish 30	3	3
*Italian 30	3	3
*Geology 30	5	3

THEOLOGICAL OPTIONS

Theological students in affiliated colleges pursuing the General Course are restricted in their choice of options as follows:—

Second Year—History 20 and Philospohy 20 must be taken.

Third Year—Theism and Philosophy 21 must be taken for one of the options.

Biblical Greek (Greek 35) may be substituted for Greek 30 or 40.

Fourth Year—Biblical Greek (Greek 45) may be substituted for Greek 40 or 30.

Church History and Biblical Literature may be substituted for six optional credit hours.

NOTE.—Church History calls for a course of lectures with mid-year and final examinations in the period of early church history (one hour a week) and either the earlier or the later period of English Church History (not less than two hours a week).

Theism, two hours a week. Lectures, essays and examinations.

Biblical Literature. Lectures two hours a week for two sessions (total four hours) and examinations.

B.A. SPECIAL COURSES

Course I.

First Year

English 10	2	2
English 11	1	1
English 12	1	1
Latin 10	3	3
Mathematics 10	2	2
Mathematics 11	2	2
Public Health and Bacteriology 10	1	1
Physical Training 10 or 11 or 12	2	1
One of:		
French 10	3	3
German 10	3	3
Greek 10	3	3
One of:		
Biology 10a, 10b	5	3½
Physics 10	5	3

Second Year

English 20	2	2
English 22	1	1
Latin 20	3	3
History 20	3	3
Political Economy 20	2	2
Physical Training 20 or 21 or 22	2	1
One of:		
French 20	3	3
German 20	3	3
Greek 20	3	3
One of:		
Biology 20a, 20b	5	3½
Physics 20	5	3

Third Year

English 30	3	3
Latin 30 or 31 or 40	3	3
History 31a, 31b	3	3
One of:		
Chemistry 10	5	3
Geology 30	5	3
One of:		
French 30	3	3
German 30	3	3
Greek 30 or 40	3	3

Fourth Year

English 40, 41	2	2
English 400	2	2
Latin 40 or 30 or 31	3	3
History 41a, 41b	3	3
History 43	1	1
History 401	1	1
Philosophy 21	1	1
And one of:		
French 40	3	3
German 40	3	3
Greek 40 or 30	3	3

Course II.

First Year

English 10	2	2
English 11	1	1
English 12	1	1
Latin 10	3	3
Mathematics 10	2	2
Mathematics 11	2	2
Public Health and Bacteriology 10	1	1
Physical Training 10 or 11 or 12	2	1
Biology 10a, 10b	5	3½
Physics 10	5	3
One of:		
French 10	3	3
German 10	3	3

Second Year

English 20	2	2
English 22	1	1
History 20	3	3
Mathematics 20, 21, 22	3	3
Biology 20a, 20b	5	3½

Physics 20	5	3
Physical Training 20 or 21 or 22	2	1
One of:		
French 20	3	3
German 20	3	3

Third Year

English 30	3	3
History 31a, 31b	3	3
Political Economy 20	2	2
Chemistry 10	5	3
Geology 30	5	3
One of:		
Biology 30a, 30b	5	3
Physics 40	5	3

Fourth Year

English 40, 41	2	2
English 400	2	2
History 41a, 41b	3	3
History 43	1	1
History 401	1	1
Philosophy 21	1	1
Two of:		
Geology 40	5	3
Biology 40a, 40b	5	3
Chemistry 20	5	3

THE B. A. EXTRAMURAL COURSE

First Year	Credits
English 10S, 10E (The equivalent of Eng. 10 of the winter session)	2
English 12S, 12E (Eng. 12)	1
Latin 10S, 10E (Latin 10)	3
Mathematics 10aS, 10aE, 10bS, 10bE (Mathematics 10)	2
Mathematics 11aS, 11aE, 11bS, 11bE (Mathematics 11)	2
and *nine* credits from:—	
French 10S, 10E (French 10)	3
German 1S, 1E or 10S, 10E (German 10)	3
Greek 1S, 1E, or 10S, 10E (Greek 10)	3
Biology 10aS, 10bS (Biology 10a 10b)	3
Physics 10bS, 10bS (Physics 10)	3
Hebrew 10	3

Second Year

English 20S, 20E (Eng. 20)	2
English 22S, 22E (Eng. 22)	1
Latin 20S, 20E (Latin 20)	3
and any *twelve* credits from:—	
History 20S, 20E (History 20)	3
Mathematics 20S, 20E, (Mathematics 20)	2
21S, 21E (Mathematics 21)	1
22S, 22E (Mathematics 22)	1
French 20S, 20E (French 20)	3
German 20S, 20E (German 20)	3
Greek 20S, 20E (Greek 20)	3
Biology 20aS, 20bS (Biology 20a 20b)	3
Physics 20aS, 20bS (Physics 20)	3
Political Economy 20S, 20E (Pol. Econ. 20)	2
Hebrew 20	3
*French 10S, 10E (French 10)	3
*German 10S, 10E (German 10)	3
*Biology 10aS, 10bS (Biology 10a 10b)	3
*Physics 10aS, 10bS (Physics 10)	3
*Greek 10S, 10E (Greek 10)	3

Third Year

English 30	3
History 31a, 31b	3
Philosophy 30, 31	3
and any *nine* credits from:—	
French 30	3
German 30	3
Greek, 30	3
Hebrew 30	3
Latin 30	3
Political Economy 30	2
Chemistry 10aS, 10bS (Chemistry 10)	3
Geology 30aS, 30bS (Geology 30)	3
*History 20S, 20E (History 20)	3
*Mathematics 20S, 20E, 21S, 21E, 22S, 22E (Mathematics 20, 21, 22)	4
*French 20S, 20E (French 20)	3
*German 20S, 20E (German 20)	3
*Greek 20S, 20E (Greek 20)	3
*Biology 20aS, 20bS (Biology 20a 20b)	3
*Physics 20aS, 20bS (Physics 20)	3
*Political Economy 20S, 20E (Pol. Econ. 20)	2

* *for those who have not already elected them.*

Fourth Year

English 40	3
History 41a, 41b	3
History 42	1
History 43	1
and any *nine* credits from:—	
French 40	3
German 40	3
Greek 40	3
Latin 40	3
Hebrew 40	3
History 44a, 44b	2
Pol. Economy 40	2
Philosophy 40	2
*French 30	3
*German 30	3
*Greek 30	3
*Latin 30	3
*Pol. Econ. 30	3
*Chemistry 10aS, 10bS (Chemistry 10)	3
*Geology 30aS, 30bS (Geology 30)	3

* *for those who have not already elected them.*

B.A. HONOR COURSES

Department of Biology.

Requirements for Admission, 1918-19:—Junior Matriculation with the Science option and honors in three subjects or the recognized equivalent.

First Year

Latin 10	3	3
English 10	2	2
English 12	1	1
German 10	3	3
Mathematics 10	3	2
Mathematics 22	1	1
Physical Training 10 or 11 or 12	2	1
Biology 100	6	4
Chemistry 10. *Honor standing required*	5	3
Physics 102	5	3

Second Year

English 20	2	2
English 22	1	1
German 20 Authors only	2	2
French 10	3	3
Physical Training 20 or 21 or 22	2	1
Biology 200	8	5

Chemistry 21, 22, *Honor standing required*	11	6
Physics 100	5	3

Third Year

German 35	1	1
French 35	1	1
Biology 300a, 300b	6	4
Geology 30, *Honor standing required*	5	3
Physics 303	3	1
Physics 302	3	1
Biology 301a, 301b	4	2½
Biology 302a, 302b	9	6
Biology 303a	11	3½

Fourth Year

French 45	1	1
German 45	1	1
Biology 400	2	2
Geology 40, *Honor standing required*	5	3
Biology 401a	4	1
Biology 401b	4	1
Biology 402a	4	2½
Biology 403a	9	3
Biology 403b	6	2

Department of Classics.

Requirements for Admission 1918-19:—Junior Matriculation with at least second class honor standing (66%) 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 10	2	2
English 12	1	1
Mathematics 10	2	2
Mathematics 11	2	2
Biology 10a, 10b	5	3½
French 10 or German 10 or Hebrew 10	3	3
Latin 100	4	4
Greek 100	4	4
Physical Training 10 or 11 or 12	2	1

Second Year

English 20, 22	3	3
French 20 or German 20 or Hebrew 20	3	3
History 100	4	4
Latin 200	5	5
Greek 200	5	5
Physical Training 20 or 21 or 22	2	1

Third Year

English 30	3	3
History 31a, 31b	3	3
Philosophy 30a	2	1
Latin 300	6	6
Greek 300	6	6

Fourth Year

Latin 400	8	8
Greek 400	8	8

Department of English and History

The **major honor** subjects in this course shall be English and History. The **minor honor** subjects shall be chosen from French, German, Greek, Hebrew, Latin.

A mark of sixty per cent. will be required in the Greek, Hebrew and Latin of this course for third-class honors.

Requirements for admission:—Junior Matriculation, with at least second-class honors (66%) in any two of Latin, German, French, English.

First Year

Physical Training 10 or 11 or 12	2	1
Mathematics 10	2	2
Mathematics 11	2	2
Biology 10a, 10b	5	3½
or Political Economy 20	2	2
or, of French 10, German 10, Greek 10, Hebrew 10, Latin 10, one of the languages not chosen as an honor option	3	3
English 100	4	4
History 100	4	4
Any two of:		
French 100	3	3
German 100	3	3
Greek 100	3	3
Latin 100	3	3
Hebrew 100	4	4

Second Year

Physical Training 20 or 21 or 22	2	1
Philosophy 21	1	1
Mathematics 20, 21, 22 (any two)	2	2
Chemistry 10	5	3
or Political Economy 30	2	2
or, of French 20, German 20, Greek 20, Hebrew 20, Latin 20, the pass language elected in the first year	3	3
English 200	4	4

History 200	3	3
Any two of:		
French 200	3	3
German 200	3	3
Greek 200	3	3
Latin 200	3	3
Hebrew 200	4	4
Third Year		
History 45	1	1
Physics 10	5	3
or Political Economy 40,	2	2
or Philosophy 30	2	2
or, of French 30, German 30, Greek 30, Hebrew 30, Latin 30, the pass language elected in the preceding year	3	3
English 300	5	5
History 300	3	3
Any one of:		
French 300	3	3
German 300	3	3
Greek 301	3	3
Latin 301	3	3
Hebrew 300	4	4
Fourth Year		
History 46	1	1
English 400, 401, 402, 403	6	6
History 400, 401, 404	4	4
One of:		
French 400	3	3
German 400	3	3
Greek 401	3	3
Latin 401	3	3
Hebrew 400	3	3

Department of Mathematics

Requirements for admission 1918-19:—Junior Matriculation with at least second-class honors (66%) in Mathematics together with honor standing in one of the other honor subjects (or in 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 10	2	2
English 12	1	1
Physical Training 10 or 11 or 12	2	1
Any one of:		
Latin 10	3	3

French 10	3	3
German 10	3	3
Physics 100	5	3
Physics 101	3	1
Mathematics 100	1	1
Mathematics 101	1	1
Mathematics 102	2	2
Mathematics 103	1	1
Mathematics 104	1	1
Mathematics 105	1	1

Second Year

English 20	2	2
English 22	1	1
Biology 10a, 10b	5	3½
French 20 or German 20	3	3
Physical Training 20 or 21 or 22	2	1
Physics 200	2	2
Physics 201	2	2
Mathematics 200	2	2
Mathematics 201	1	1
Mathematics 202	1	1
Mathematics 203	1	1
Mathematics 204	2	2

Third Year

English 30	3	3
Philosophy 21 or 31	1	1
Chemistry 10	5	3
Physics 300	2	2
Physics 302	3	1
Mathematics 300	1	1
Mathematics 301	1	1
Mathematics 302	1	1
Mathematics 303	2	2
Mathematics 304	1	1
Mathematics 305	1	1

Fourth Year

Geology 30	5	3
History 41a, 41b	3	3
Political Economy 20 or History 42, 43	2	2
Physics 400	2	2
Physics 402	2	2
Physics 403	1	1
Mathematics 400a	2	1
Mathematics 400b	2	1

Mathematics 401a	2	1
Mathematics 401b	2	1
Mathematics 402a	2	1
Mathematics 402b	2	1
Mathematics 403a	1	½
Mathematics 403b	1	½
Mathematics 404a	1	½
Mathematics 404b	1	½

Department of Modern Languages

Requirements for admission for 1918-19:—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 10	3	3
Mathematics 10	2	2
Mathematics 11	2	2
Physical Training 10 or 11 or 12	2	1
English 100	4	4
French 100	3	3
German 100	3	3
Italian 10	3	3

Second Year

Latin 20	3	3
History 31a, 31b	3	3
Physical Training 20 or 21 or 22	2	1
English 200	4	4
French 200	3	3
German 200	3	3
Italian 20	3	3

Third Year

History 41a, 41b	3	3
Philosophy 31	1	1
French 300	3	3
French 301	1	1
German 300	3	3
And either:		
Italian 30 *or*	3	3
English 300	6	6

Fourth Year

French 400	3	3
French 401	1	1
German 400	3	3
German 401	1	1

And either:		
English 400 *or*	6	6
Italian 40	3	3

Department of Romance Languages

Requirements for Admission for the Year 1918-1919:—Honor Junior Matriculation with at least Second Class Honor standing (66%) in the French course and pass standing in the remaining subjects of the Pass Junior Matriculation course.

First Year.

Latin 10	3	3
Mathematics 10	2	2
Mathematics 11	2	2
English 10	2	2
English 12	1	1
French 100	3	3
German 10	3	3
Spanish 10 (or Italian 10)	3	3

Second Year.

Latin 20	3	3
English 20	2	2
English 22	1	1
History 31a, 31b	3	3
French 200	3	3
Spanish 20 or Spanish 10	3	3
Italian 10 or Italian 20	3	3

Third Year.

Latin 30	3	3
History 41a, 41b	3	3
Philosophy 21	1	1
Philosophy 30	2	2
French 300	3	3
Spanish 30 or Spanish 20	3	3
Italian 20 or Italian 30	3	3

Fourth Year.

Latin 40	3	3
History 42	1	1
Philosophy 40	2	2
History 45	1	1
History 46	1	1
French 400	3	3
French 301 or 302	1	1
Italian 30 or Spanish 30	3	3

Department of Physics.

Requirements for Admission for the year 1918-19:—Junior Matriculation with at least second class honor standing (66%) in Mathematics,

together with honor standing in one of the other honor subjects (in case of the sciences, two subjects) of the honor course and pass standing in the remaining subjects of the pass junior matriculation course.

Students entering upon this course without credit in Physics 10 or an equivalent will be required to add it in whole or in part to their registration in the first year. Those who have obtained credit before entering in any of the first year pass subjects will register for the second and third years of the same subjects in their first and second years respectively.

First Year

English 10	2	2
English 12	1	1
Latin 10 or French 10 or German 10	3	3
Chemistry 10	5	3
Physical Training 10 or 11 or 12	2	1
Physics 100, 101	7	4
Mathematics 100, 102, 104, 105	5	5

Second Year

English 20	2	2
English 22	1	1
Latin 20 or French 20 or German 20	3	3
Chemistry 20	6	3
Physical Training 20 or 21 or 22	2	1
Physics 200 and 201	4	4
Mathematics 200, 201, 204	5	5

Third Year

English 30	3	3
German 35 or French 35	1	1
Biology 10a, 10b or a second modern language	3	3
Physics 300, 301, 302, 303, 304 or 400, 401, 402, 403	11	8
Mathematics 203, 302, 304 or 401a, 401b, 402b, 404a, 404b	3	3

Fourth Year

History 41a, 41b	3	3
History 42, 43 or Political Economy 20	2	2
Geology 30 or Chemistry 30 or a modern language 20 or 30		3
Physics 400, 401, 402, 403 or 300, 301, 302, 303, 304	11	8
Mathematics 401a, 401b, 402b, 404a, 404b or 203, 302, 304	3	3

Department of Political Science.

First Year

See Section 39, page 24.

Second Year

English 20	2	2
English 22	1	1
Latin 20	3	3
Philosophy 21	1	1
Physical Training 20 or 21 or 22	2	1
Political Economy 200	3	3
History 100	4	4
Any one of:		
French 20	3	3
German 20	3	3
Greek 20	3	3
Hebrew 20	3	3
Chemistry 20	5	3

Third Year

English 30	3	3
Philosophy 31	1	1
Political Economy 300	3	3
History 300a	3	1½
History 300b	2	1
Government and Law, 300, 301, 302	3	3
Any one of:		
French 30	3	3
German 30	3	3
Greek 30 or 40	3	3
Hebrew 30	3	3

Fourth Year

English 40, 41, 42	3	3
History 44a, 44b	2	2
Political Economy 400, 401, 402	3	3
Political Economy 403, 404	2	2
History 400, 401	3	3
Government and Law 400, 401, 402, 403	4	4
Any one of:		
French 40	3	3
German 40	3	3
Greek 40 or 30	3	3
Hebrew 40	3	3

THE B.A., M.D. COURSE

First Year.

Latin 10	3	3
English 10	2	2
English 12	1	1
German 10	3	3

Mathematics 10	2	2
Mathematics 22	1	1
Physical Training 10, or 11 or 12	2	1
Physics 102	5	3
Biology 100a, 100b	6	4
Chemistry 10	5	3
Second Year.		
Enlish 20	2	2
English 22	1	1
French 10	3	3
German 20 (Authors only)	2	2
Mathematics 20, 21	2	2
Physical Training 20 or 21 or 22	2	1
Biology 200, 200b	6	4
Physics 100	5	3
Chemistry 21, 22	10	6
Third Year.		
English 30	3	3
Economics 20	2	2
Philosophy 32a	1	½
Biology 300b	6	2
Biology 302a	9	3
Biology 302b	9	3
Biology 303a	11	3½
Anatomy 1, 2, 5, 6, *Medical School*	3	3
Pathology 1, *Medical School*	1	1
Fourth Year.		
History 41a, 41b	2	2
French 35	1	1
German 35	1	1
Biology 400	2	2
Biology 403	15	5
Anatomy 2, 3, 4, 7, 8, *Medical School*	16	8
Physiological Chemistry 2, *Medical School*	2	2

DESCRIPTION OF COURSES

DEPARTMENT OF BIOLOGY

ASSOCIATE PROFESSOR ROBERTSON, assisted by Professors Crane, McKibben and Miller of the Faculty of Medicine.

10a **Introductory Botany** for General Course students; a course dealing with the general principles of Botany.
1 lecture, 4 laboratory hours per week; 1½ credits.
Text-book: Bigelow, *Applied Biology*.

10b **Introductory Zoology** for General Course students; a course dealing with the general principles of Zoology.

1 lecture, 4 laboratory hours per week; 1½ credits.

Text-book: Bigelow, *Applied Zoology*.

20a **Phanerogamic Botany** for General Course students; a course dealing with selected types of the Phanerogams from the standpoint of structure and evolution.

1 lecture and 4 laboratory hours per week; 1½ credits.

Prerequisite: Biology 10a.

Text-book: Bergen and Davis, *Principles of Botany*.

20b **Vertebrate Zoology** for General Course students; a course dealing with selected types of the Vertebrates from the standpoint of structure and evolution.

1 lecture and 4 laboratory hours per week; 1½ credits.

Prerequisite: Biology 10b.

Text-books: Hegner, *College Zoology*.
Pratt, *Vertebrate Zoology*.

30a **Cryptogamic Botany** for General Course students; a course dealing with selected types of Cryptogams from the standpoint of structure and evolution.

1 lecture and 4 laboratory hours per week; 1½ credits.

Prerequisite: Biology 20a.

Text-book: Bergen and Davis, *Principles of Botany*.

30b **Invertebrate Zoology** for General Course students; a course dealing with selected types of the Invertebrates from the standpoint of structure and evolution.

1 lecture and 4 laboratory hours per week; 1½ credits.

Prerequisite: Biology 20b.

Text-books: Hegner, *College Zoology*.
Pratt, *Invertebrate Zoology*.

40a **Canadian Botany** for General Course students; a course dealing with the classification, ecology and economic importance of Canadian plants.

1 lecture and 4 laboratory hours per week; 1½ credits.

Prerequisite: Biology 30a.

40b **Canadian Zoology** for General Course students; a course dealing with the classification, ecology, and economic importance of Canadian animals.

1 lecture and 4 laboratory hours per week; 1½ credits.

Prerequisite: Biology 30b.

41a **Botanical collection** for General Course students; during the summer vacations following the courses 20a, and 30a, students shall make collection of at least twenty-five flowering plants and twenty-five Cryptogamic plants.

Fuller particulars may be obtained from the Head of the Department.

41b **Zoological collection** for General Course students;

during the summer vacations following courses 20b and 30b students shall make collections of at least fifteen Vertebrates and twenty-five Invertebrates.

Fuller particulars may be obtained from the Head of the Department.

Honor Courses

100a **Elementary Botany** for Honor students; a lecture and laboratory course dealing with the general principles of Botany, illustrated by selections from the whole Plant Kingdom.

2 lectures and 4 laboratory hours per week; 2 credits.

Prerequisite: full entrance requirements for the Honor course in Biology or Biology 10a.

Text-book: Bergen and Davis, *Principles of Botany*.

100b **Elementary Zoology** for Honor students; a lecture and laboratory course dealing with the general principles of Zoology, illustrated by selections from the whole Animal Kingdom.

2 lectures and 4 laboratory hours per week; 2 credits.

Prerequisites: full entrance requirements for the Honor Course in Biology or Biology 10b.

Textbooks: Parker and Haswell, *Text-book of Zoology*.
Parker and Parker, *Elementary Practical Zoology*.

200 **Vertebrate Zoology** for Honor students; a lecture course dealing with the structure and evolution of the Vertebrates.

2 lectures per week; 2 credits.

Prerequisite: Biology 100b.

Text-book: Kingsley: *Comparative Anatomy of the Vertebrates*.

200a **Phanerogamic Botany** for Honor students; a lecture and laboratory course dealing with the structure and evolution of the Phanerogams.

2 lectures and four laboratory hours per week; 2 credits.

Prerequisite: Biology 100a.

Text-book: Coulter, Barnes and Cowles, *Text-book of Botany*.

200b **Practical Vertebrate Zoology** for Honor students; a laboratory course to accompany Biology 200.

4 laboratory hours per week; 1 credit.

Prerequisite: Biology 100b.

Text-books: Bensley, *Anatomy of the Rabbit*.
Parker, *Zootomy*.

300a **Cryptogamic Botany** for Honor students; a lecture and laboratory course dealing with the structure and evolution of the Cryptogams.

2 lectures and 4 laboratory hours per week; 2 credits.

Prerequisite: Biology 200a.

Text-book: Coulter, Barnes and Cowles, *Text-book of Botany*.

300b **Invertebrate Zoology** for Honor students; a lecture and laboratory course dealing with the structure and evolution of the Invertebrates.

2 lectures and 4 laboratory hours per week: 2 credits.

Pre-requisite: Biology 200b.

Text-books: Parker and Haswell, *Text-book of Zoology.*
Petrunkevitch, *Morphology of Invertebrate Types.*

301a **Canadian Phanerogamic Botany** for Honor students; a lecture and laboratory course dealing with the classification, ecology and economic importance of Canadian Phanerogams.

1 lecture and 3 laboratory hours per week; 1 credit.

Prerequisite: Biology 200a.

Text-book: Gray, *New Manual of Botany.*

301b **Canadian Vertebrate Zoology** for Honor students; a lecture and laboratory course dealing with the classification, ecology and economic importance of Canadian Vertebrates.

1 lecture and 3 laboratory hours per week; 1 credit.

Prerequisite: Biology 200b.

Text-book: Jordan, *Manual of the Vertebrates.*

302a **Cytology, Histology, Organology:** lectures, quizzes and laboratory work given during the first term.

9 hours per week.

Prerequisites: completion of second year science of the B.A., M.D. or of the Honor Biology course.

Professor McKibben, Faculty of Medicine.

302b **Vertebrate Embryology;** study of chick and pig material, gross and in serial sections.

9 hours per week for 8 weeks, second term.

Prerequisite: Biology 302a.

Professor McKibben.

303a **Physiological Chemistry;** the chemistry of carbohydrates, fats, proteins; salivary, gastric, and intestinal digestion; bile; muscular and nervous tissue, blood milk, urine, metabolism.

3 lecture and 8 laboratory hours per week, first term.

Prerequisite: Biology 200 and 200b; Chemistry 10, 21, 22.

Professor Crane, Faculty of Medicine.

Text-book: Cramer and Hawk, *Physiological Chemistry.*

400 **History and Theory of Biology;** a course dealing with the history, theory and problems of Biology.

2 lectures per week; 2 credits.

401a **Canadian Cryptogamic Botany** for Honor students; a lecture and laboratory course dealing with the

classification, ecology, and economic importance of Canadian Cryptogams.

1 lecture and 3 laboratory hours per week, first term; 1 credit.

Prerequisite: Biology 300a.

401b **Canadian Invertebrate Zoology** for Honor students; a lecture and laboratory course dealing with the classification, ecology and economic importance of Canadian Invertebrates.

1 lecture and 3 laboratory hours per week; 1 credit.

Prerequisite: Biology 300b.

402 **Plant Physiology,** for Honor students; a lecture and laboratory course dealing with the physiology of plants.

1 lecture and 3 laboratory hours per week; 2½ credits.

Prerequisite: Biology 300a.

403 **Animal Physiology** for Honor students; lectures, demonstrations and quizzes on the physiology of the blood, muscle and nerve, the circulation, respiration, lymph and digestion; a laboratory course on the physiology of the blood, muscle and nerve, the circulation and respiration.

3 lectures and 6 laboratory hours, first term; 6 credits.

3 lectures and 3 laboratory hours, second term; 4½ credits.

Prerequisites: Biology 300b.

PROFESSOR MILLER, Faculty of Medicine.

DEPARTMENT OF CHEMISTRY

PROFESSOR SLACK, MR. BEST AND MR. G. E. SMITH.

In all the courses in Chemistry a laboratory fee of $2.00 is required; this is not returnable. For the two courses 21 and 22, when combined, the fee is $3.00; not returnable. For each laboratory course a deposit of $5.00 must also be made; this sum, minus deductions for breakages, is returnable at the end of the session. The fee shall be paid to the Bursar of the University; the deposit to the Head of the Department Chemistry.

10. **Inorganic Chemistry;** optional for first year students in the General Course; prescribed for first year students in the B.A., M.D. course. A course of experimental lectures and laboratory work upon the metallic and non-metallic elements and their principal compounds, and an introduction to the fundamental laws of chemistry. The laboratory work consists of experiments covering the principles discussed and demonstrated in the lectures.

2 lectures and 4 laboratory hours per week; 3 credits.

MR. BEST AND MR. SMITH.

Text-books: McPherson and Henderson, *A Course in General Chemistry.*
McPherson and Henderson, *Laboratory Manual* to accompany *A Course in General Chemistry.*

20 **Qualitative and Quantitative Analysis**; optional for second year students in the General Course. This is a laboratory course covering the principles of Qualitative and Quantitative analysis; the laboratory work is largely individual in character, each student being required to work out a sufficient number of unknown compounds to ensure a working knowledge of the subject. Lectures bearing upon laboratory technique and new methods of analysis are given as required.

6 hours per week; 3 credits.

Prerequisite: Chemistry 10.

Professor Slack and Mr. Best.

Text-books: Prescott and Johnson, *Qualitative Chemical Analysis.*
Baskerville and Curtman, *Qualitative Analysis.*
Sutton, *Volumetric Analysis.*
Treadwell and Hall, *Quantitative Analysis.*

21 **Qualitative and Quantitative Analysis**; prescribed for second year students in the B.A., M.D. course and for second year students in the Honor course in Biology. The content of the course is practically the same as that of Chemistry 20.

6 laboratory hours per week; 3 credits.

Prerequisite: Chemistry 10.

Professor Slack and Mr. Best.

Text-books: See Chemistry 20.

22 **Organic Chemistry**; prescribed for second year students in the B.A., M.D. course and for second year students in the honor course in Biology. A course of lectures and demonstrations on the fatty hydrocarbons and their derivatives; the carbohydrates; proteins and alkaloids. Laboratory work consists of the preparation, identification and estimation of the simpler organic compounds, organic acids, alkaloids, etc.

2 lectures and 3 laboratory hours per week; 3 credits.

Prerequisites: Chemistry 10 and 20.

Professor Slack and Mr. Best.

Text-book: Remsen, *Organic Chemistry.*

30 **Organic Chemistry**; optional for third year students in the General Course. For a description of the contents of the course see Chemistry 22.

2 lectures and 3 laboratory hours per week; 3 credits.

Prerequisites: Chemistry 10 and 20.

Professor Slack and Mr. Best.

Text-book: Remsen, *Organic Chemistry.*

40 A course of lectures upon **theoretical chemistry** with advanced laboratory work in volumetric and gravimetric analysis. In the laboratory special attention will be given

to practical methods of analysis of numerous commercial products. Optional for fourth year students in the General Course.

2 lectures and 4 laboratory hours per week; 3 credits.

Prerequisites: Chemistry 10, 20, 30.

PROFESSOR SLACK, MR. BEST and MR. SMITH.

Text-books: Treadwell and Hall, *Quantitative Analysis.*
Alexander Smith, *General Inorganic Analysis.*

DEPARTMENT OF CLASSICS

PROFESSORS FOX, NEVILLE AND WALLER.

It is the aim of the instructors of this department to present the classical literatures as interpretations of ancient Greek and Roman life and thought, as portrayals of a civilization of which our own is but a later phase, and as comprising the sources and models of the various departments of modern literature. A thorough knowledge of the grammar and syntax of Greek and Latin will be required on the ground that they are indispensable instruments for the adequate comprehension of the literature and the correct writing of prose will be insisted upon as the best means of obtaining a command of these instruments. Great stress will be laid upon the student's power to read the classical literature independently and to produce accurate and finished translation. Much Latin and Greek will be read at sight in the exercises of the classroom and fifty per cent. of the marks obtainable on each examination of the pass courses in classics will be allotted to the translation of sight passages.

Latin

Each student in any of the Latin courses is required to have at least one of the following Latin grammars: Bennett, Allyn & Bacon, Boston; Allen and Greenough, Ginn and Company, New York; Gildersleeve & Lodge, Heath & Co., New York; and either Harper's Latin Dictionary, American Book Co., New York, or An Elementary Latin Dictionary, American Book Co.

10 Caesar, *De Bello Gallico V;* Cicero, *In Catilinam I* and *III;* Virgil, *Aeneid XI, 1-509;* Horace, *Odes III*, 1, 2, 8, 9, 13, 18, 21, 23, 29, 30; *IV*, 3, 5, 7, 12, 15; composition; sight translation.

3 hours per week; 3 credits.

Prerequisite: Junior Matriculation Latin.

PROFESSOR FOX.

Texts: T. Rice Holmes, *Caesar, The Gallic War V* (Oxford Press).
E. A. Upcott, *Cicero, Catilinarian Orations* (Oxford Press).
A. E. Haigh, *Virgil, Aeneid X-XII* (Oxford Press).
T. E. Page, *Horace, Odes* (Macmillan Elementary Classics).
B. L. D'Ooge, *Latin Composition based upon Caesar and Cicero* (Ginn & Co.)

20 Livy *I, XXI, XXII*; Ovid, *Metamorphoses III*; selected Latin Poetry; composition; sight translation.

3 hours per week; 3 credits.

Prerequisites: Latin 10 or Honor Matriculation, or Faculty Entrance Latin.

PROFESSORS FOX AND NEVILLE.

Texts: J. H. Westcott, *Livy I, XXI, XXII* (Allyn & Bacon).
M. Cartwright, *Ovid, Metamorphoses III* (Oxford Press).
A Selection of Latin Verse (Yale University Press).
Gildersleeve & Lodge, *Latin Composition* (Heath & Co.)

30 **Literature of the Early Empire**; Ovid, Horace, Seneca, Tacitus, Pliny the Younger, Juvenal, Martial,

Petronius; lectures on the literature and the history of the Empire; composition; sight translation. To be given in 1920-21.

3 hours per week; 3 credits.

Prerequisite: Latin 20.

Professor Fox.

Texts: A. C. B. Brown, *Selections from the Latin Literature of the Early Empire* (Oxford Press).
J. B. Allen, *Second Latin Exercise Book* (Oxford Press).

31 Plautus, *Rudens;* Terence, *Andria;* Catullus; Cicero, *De Amicitia, De Senectute;* lectures on the literature and the history of the Republic; composition; sight translation. (To be given 1918-19).

3 hours per week; 3 credits.

Prerequisite, Latin 20.

Professors Fox and Neville.

Texts: E. A. Sonnenschein, *T. Macci Plauti Rudens* (Oxford).
E. H. Sturtevant, *P. Terenti Afri Andria* (American Book Co.)
F. P. Simpson, *Select Poems of Catullus* (Macmillan).
E. W. Bowen, *Cicero's De Amicitia* (Heath & Co.)
E. W. Bowen, *Cicero's De Senectute* (Heath & Co.)
J. B. Allen, *Second Latin Exercise Book* (Oxford Press).

40 Cicero, *Letters;* Pliny, *Letters;* Tacitus, *Annals I;* Livy, *Selections;* Virgil, Selections from the *Bucolics* and *Georgics;* lectures on the literature of the Ciceronian and Augustan periods; composition; sight translation. (To be given in 1919-20).

3 hours per week; 3 credits.

Prerequisite: Latin 20.

Professor Fox.

Texts: Scoon, Mierow and Jones, *Selections from Livy, Sallust, Cicero* (Allyn & Bacon)
W. F. Allen, *Tacitus, Annals* 1-6 (Ginn & Co.)
C. S. Jerram, *Virgil, Bucolics and Georgics* (Oxford Press).
J. B. Allen, *Second Latin Exercise Book* (Oxford Press).

Honor Courses

100. Livy *I, XXI, XXII;* Sallust, *Jugurtha;* Horace, *Odes III,* 1, 2, 6, 8, 13, 21, 28, 29, 30; *IV,* 5, 7; Ovid, *Metamorphoses III;* Selected Latin Poetry; composition; sight translation.

4 hours per week.

Prerequisite: Latin 10 (66%) or Honor Matriculation (second class) or Faculty Entrance Latin.

Professor Fox.

Texts: J. H. Wescott, *Livy I, XXI, XXII* (Allyn & Bacon).
W. C. Summers, *C. Sallusti Crispi, Iugurtha* (Cambridge Press).
T. E. Page, *Horace, Odes* (Macmillan Elementary Classics).
M. Cartwright, *Ovid, Metamorphoses III,* (Oxford Press).
A Selection of Latin Verse (Yale University Press).
Gildersleeve & Lodge, *Latin Composition* (Heath & Co.)

200 Elegiac Poets; Horace, *Epistles;* Catullus; Cicero, *De Amicitia, De Senectute;* Pliny, *Letters;* Roman literature;

history in detail to 272 B.C.; composition; sight translation.
4 hours per week.
Prerequisite: Latin 100.

Texts: K. P. Harrington, *The Roman Elegiac Poets* (American Book Co.)
E. P. Morris, *Horace, Satires and Epistles* (American Book Co.)
E. W. Bowen, *Cicero's De Amicitia* (Heath & Co.)
E. W. Bowen, *Cicero's De Senectute* (Heath & Co.)
J. H. Westcott, *Selections from Pliny's Letters* (Allyn & Bacon).
Gildersleeve & Lodge, *Latin Composition* (Heath & Co.)

300 Horace, *Satires*, Juvenal, *Satires;* Persius, *Satires;* Plautus, six comedies; Terence, complete; Roman literature; history in detail from 272 B.C. to 14 A.D.; epigraphy; private life of the Romans; composition; philology; sight translation.
5 hours per week.
Prerequisite: Latin 200.

Texts: E. P. Morris, *Horace, Satires* (American Book Co.)
H. L. Wilson, *Juvenal* (Heath & Co.)
Nettleship-Conington, *Persius, Satires* (Oxford Press).
Plauti Comoediae (Oxford Press).
S. G. Ashmore, *The Comedies of Terence* (Oxford Press).
J. C. Egbert, *Introduction to the Study of Latin Inscriptions* (American Book Co.)
P. Giles, *Manual of Comparative Philology* (Macmillan)
J. M. Edmonds *Comparative Philology* (Cambridge Press).

301 Plautus, two comedies; Terence, two comedies; Horace, *Satires;* Juvenal, *Satires;* history of the literature of the Republic; history of the Republic to the time of Sulla. For minor honors in the department of English and history (see p. 42).
3 hours per week.
Prerequisite: Latin 20.

Texts: *Plauti Comoediae* (Oxford University Press).
S. G. Ashmore, *The Comedies of Terence* (Oxford Press).
E. P. Morris, *Horace, Satires* (American Book Co.)
H. L. Wilson, *Juvenal* (Heath and Co.)

400 Livy, Selections; Tacitus, *Annals I-VI;* Suetonius, *Augustus, Tiberius;* Cicero, *De Officiis, Tusculans I;* Vergil, Selections from the *Bucolics, Georgics,* and *Aeneid VII-XII;* Lucretius *III, V*; Roman literature; history in detail from 14 A.D. to 476 A.D., Roman public life; composition; sight translation.
7 hours per week.
Prerequisite: Latin 300.

Texts: Scoon, Mierow and Jones, *Selections from Livy, Sallust, Cicero* (Allyn & Bacon).
W. F. Allen, *Tacitus, Annals I-VI* (Ginn & Co.)
H. T. Peck, *Suetonius* (Henry Holt & Co.)
H. A. Holden, *Cicero, De Officiis I-III* (Cambridge Press).
F. E. Rockwood, *Cicero, Tusculan Disputations I-* (Ginn & Co.)
C. S. Jerran, *Virgil, Bucolics and Georgics* (Oxford Press).
T. E. Page, *Virgil, The Aeneid VII-XII* (The Macmillan Co).
J. H. W. Lee, *Lucretius, De Rerum Natura I-III* (The Macmillan Co.)
W. D. Lowe, *Lucretius, De Rerum Natura V*, (Oxford Press).

401 Caesar, *Bellum Civile* and selections from *De Bello Gallico;* Cornelius Nepos; Sallust, *Catilina;* Cicero, *In*

Catilinam; Tacitus, *Annals I, II;* Suetonius, *Augustus;* history of the literature of the Empire; detailed history of the last years of the Republic, and of the Empire down to 220 A.D. For minor honors in the department of English and History (see p. 42).

3 hours per week.

Prerequisite: Latin 301.

Texts: C. E. Moberly, *Caesar's Civil War* (Oxford Press).
T. Rice Holmes, *Caesar's The Gallic War* (Oxford Press).
Inge-Browning, *Nepos, Lives* (Oxford Press).
J. W. Scudder, *Sallust's Catiline* (Allyn & Bacon).
E. A. Upcott, *Cicero, Catilinarian Orations* (Oxford Press).
W. F. Allen, *Tacitus, Annals I-VI* (Ginn & Co.)
H. T. Peck, *Suetonius* (Henry Holt) & Co.

GREEK

Each student in any of the Greek courses is required to have one or other of the following two Greek grammars: W. W. Goodwin, Ginn and Co., New York; H. W. Smyth, American Book Co., New York; and either the unabridged or the abridged edition of Liddell and Scott's Greek Lexicon, American Book Co.

10 Xenophon, *Hellenica;* Homer, *Iliad I,* 1-350; *III,* 121-244; *VI,* 66-118, 257-529; *Odyssey VI, IX;* composition; sight translation.

3 hours per week.

Prerequisite: Junior Matriculation Greek.

Professor Fox.

Texts: J. S. Philpotts, *Selections adapted from Xenophon* (Oxford Press).
Leaf and Bayfield, *Homer, The Iliad I-XII* (The Macmillan Co.)
W. W. Merry, *Homer's Odyssey I-XII* (Oxford Press).
R. J. Bonner, *Greek Composition* (Scott, Foresman & Co.)

20 Plato, *Apology;* Thucydides *IV;* Herodotus *VII;* composition; sight translation.

3 hours per week; 3 credits.

Prerequisite: Greek 10, or Honor Matriculation, or Faculty Entrance Greek.

Professor Fox.

Texts: Seymour-Dyer, *Plato, Apology and Crito* (Ginn & Co.)
C. E. Graves, *Thucydides IV* (The Macmillan Co.)
A. F. Butler, *Herodotus VII* (The Macmillan Co.)
A. Sidgwick, *Greek Prose Composition* (Ginn & Co.)

30 Euripides, *Medea;* Sophocles, *Antigone;* Aeschylus, *Prometheus Vinctus;* Lucian, *Vera Historia;* lectures on the theatre and the development of the drama; composition; sight translation; to be given in 1918-19.

3 hours per week; 3 credits.

Prerequisite: Greek 20.

Professor Fox.

Texts: Moore-Allen, *The Medea of Euripides* (Ginn & Co.)
Campbell and Abbott, *Sophocles, Antigone* (Oxford Press).
Allen-Wecklein, *Aeschylus, Prometheus* (Ginn & Co.)
C. S. Jerram, *Luciani Vera Historia* (Oxford Press)
A. Sidgwick, *Greek Prose Composition* (Ginn & Co.)

35 **Biblical Greek;** *St. Luke* and *Hebrews;* grammar and composition; an option for Greek 30 or 40 for theological students in affiliated colleges.

3 hours per week; 3 credits.
Prerequisite: Greek 20.

PRINCIPAL WALLER.

Text-books: Scrivener, *Greek Testament* 4th ed.
Cambridge Greek Testament.
Nunn, *Syntax of New Testament Greek.*

40 Sophocles, *Ajax*, Euripides, *Iphigenia in Tauris;* Aristophanes, *Clouds;* Demosthenes, *De Corona;* lectures on the social, religious and political life of Athens in the age of Pericles; composition; sight translation; to be given in 1919-20.

3 hours per week; 3 credits.

Texts: Campbell and Abbott, *Sophocles, Ajax* (Oxford Press).
C. S. Jerram, *Euripides, Iphigenia in Tauris* (Oxford Press).
W. W. Merry, *Aristophanes, Clouds* (Oxford Press).
M. W. Humphreys, *Demosthenes, On the Crown* (American Book Co.)
A. Sidgwick, *Greek Prose Composition* (Ginn & Co.)

45. **Biblical Greek,** *St. Mark* and *Romans;* grammar and composition; text criticism. For either *St. Mark* or *Romans*, Clement's *Epistle to the Corinthians* may be substituted with the permission of the instructor. An option for Greek 40 or 30 for theological students in affiliated colleges.

3 hours per week; 3 credits.
Prerequisite: Greek 20 and 35.

PRINCIPAL WALLER.

Text-books:—See Greek 35.
Reference: Kenyon, *Handbook to the Textual Criticism of the New Testament* (Macmillan).

100 Plato, *Apology* and *Crito;* Thucydides *IV;* Herodotus *VII;* Euripides, *Hippolytus;* composition; sight translation.

4 hours per week.
Prerequisite: Greek 10 (66%), or Honor Matriculation, or Faculty Entrance Greek.

PROFESSOR FOX.

Texts: Seymour-Dyer, *Plato, Apology and Crito* (Ginn & Co.)
C. E. Graves, *Thucydides IV*, (The Macmillan Co.)
A. F. Butler, *Herodotus VII* (The Macmillan Co.)
A. Sidgwick, *Greek Prose Composition* (Ginn & Co.)

200 Euripides, *Medea;* Aeschylus, *Prometheus Vinctus;* Lucian, *Vera Historia;* Thucydides *I*; Homer, *Iliad IX, XVIII, XXII*; history of Greek literature; history of Greece to 431 B.C.; composition; sight translation.

4 hours per week.
Pre-requisite: Greek 100.

Texts: Moore-Allen, *The Medea of Euripides* (Ginn & Co.)
Allen-Wecklein, *Aeschylus, Prometheus* (Ginn & Co.)
C. S. Jerram, *Luciani Vera Historia* (Oxford Press).
E. C. Marchant, *Thucydides I* (The Macmillan Co).
J. H. Pratt, *Homer, The Iliad IX* (The Macmillan Co.)
D. B. Munro, *Homer's Iliad XII-XXIV* (Oxford Press).
A. Sidgwick, *Greek Prose Composition* (Ginn & Co.)

300 Euripides, *Alcestis;* Sophocles, *Antigone, Oedipus Tyrannus;* Aristophanes, *Clouds;* Homer, *Odyssey I-XII;* Plato, *Republic I-V;* Thucydides *II;* history of Greece in detail from 431 to 323 B.C.; philology; private life of the Greeks; composition; sight translation.

5 hours per week.

Prerequisite: Greek 200.

Texts: E. Blakeney, *Euripides, The Alcestis* (The Macmillan Co).
Campbell and Abbott, *Sophocles, Antigone* (Oxford Press).
Campbell and Abbott, *Sophocles, Oedipus Tyrannus* (Oxford Press).
W. W. Merry, *Aristophanes, Clouds* (Oxford Press).
Merry and Riddell, *Homer's Odyssey I–XII* (Oxford Press).
T. H. Warren, *Plato, The Republic I–V* (The Macmillan Co).
P. Giles, *Manual of Comparative Philology* (The Macmillan Co).
J. M. Edmonds, *Comparative Philology* (Cambridge Press).

301 Thucydides *I, II*; Plato, *Republic I-IV;* development of the literature of Athens with special reference to poetry; special study of the period of the Athenian Empire. For minor honors in the department of English and History (see p. 42).

3 hours per week.

Prerequisite: Greek 20.

Texts: E. C. Marchant, *Thucydides I* (The Macmillan Co).
E. C. Marchant, *Thucydides II* (The Macmillan Co).
T. H. Warren, *Plato, The Republic I–V* (The Macmillan Co).

400 Aeschylus, *Agamemnon;* Sophocles, *Oedipus Coloneus;* Plato, *Republic VI-X*; *Phaedo;* Thucydides *III, IV*; Lysias; Aeschines; Demosthenes, *De Corona;* history of Greece in detail from 323 to 31 B.C.; monuments and topography of Greece; composition; sight translation.

7 hours per week.

Prerequisite: Greek 300.

Texts: P. Shorey, *Aeschylus, Agamemnon* (American Book Co).
Campbell and Abbott, *Sophocles, Oedipus Coloneus* (Oxford Press).
J. Burnet, *Plato, Respublica* (Oxford Press)
B. Bosanquet, *A Companion to Plato's Republic* (The Macmillan Co).
J. Burnet, *Plato's Phaedo* (Oxford Press).
E. C. Marchant, *Thucydides III* (The Macmillan Co).
C. E. Graves, *Thucydides IV* (The Macmillan Co).
E. S. Shuckburgh, *Lysiae Orationes XVI* (The Macmillan Co).
M. V. Humphreys, *Demosthenes, On the Crown* (American Book Co).
Gwatkin and Shuckburgh, *Aeschines, In Ctesiphontem* (The Macmillan Co.)

401 Thucydides *III* and *the Sicilian Expedition;* Lysias; Demosthenes, *De Corona;* Aeschines; the literary history of Athens in special reference to prose; special study of the history of the Hellenistic Period. For minor honors in the department of English and History (see p. 42).

3 hours per week.

Prerequisite: Greek 301.

Texts: E. C. Marchant, *Thucydides III* (The Macmillan Co.)
P. Frost, *Thucydides VI, VII* (The Macmillan Co.)
E. S. Shuckburgh, *Lysiae Orationes XVI* (The Macmillan Co.)
M. V. Humphreys, *Demosthenes, On the Crown* (American Book Co.)
Gwatkin and Shuckburgh, *Aeschines, In Ctesiphontem* (The Macmillan Co.)

DEPARTMENT OF ENGLISH

PROFESSOR TAMBLYN, MR. LANDON AND MISS NEWBURY.

10. **Literature.**

Ben Johnson, *To the Memory of Shakespeare.*
Milton, *Il Penseroso, L'Allegro, Epitaph on Shakespeare; Lycidas.*
Gray, *Progress of Poesy.*
Burns, *Tam O'Shanter, 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 Judgment.*
Scott, *The Antiquary.*
Keats, *The Eve of St. Agnes.*
Thackeray, *Henry Esmond.*
Tennyson, *In Memoriam; Proem, II, 27, 31, 32, 53, 54, 76, 94, 105, 117, 129.*
Browning, *Fra Lippo Lippi, Caliban.*
Arnold, *The Gypsy Scholar.*
Cooper, Selections.
Carlyle, Selections.
Thackeray, Selections.
Stevenson, Selections.

This course is prescribed for all students in the first year.

2 hours per week; 2 credits.

PROFESSOR TAMBLYN.

Texts: *The English Parnassus* (Oxford Press).
Selected English Essays (Oxford Press).

11 **Public Speaking**; instruction is the science of sounds in language and an analytic study of English pronunciation and enunciation; a study of selections from orators, essayists, dramatists and poets, illustrative of the principles of oral interpretation. Prescribed for first year students in the General Course and open to all students in all the years.

1 hour per week; 1 credit.

MISS NEWBURY.

Textbook: Winans, *Public Speaking.*

12 **Composition and Rhetoric**; fortnightly themes in class and at least four original essays; lectures, discussions and assigned readings. Prescribed for all in the first year.

1 hour per week; 1 credit.

MR. LANDON.

Text-book: L. W. Smith, *The Mechanism of English Style* (Oxford Press).

20 **Shakespeare**:—*Romeo and Juliet; Henry IV, parts I and II; King Lear; The Tempest.* Selections from Bacon,

Swift, Addison, Johnson. Prescribed for all students in the second year.

2 hours per week; 2 credits.

Professor Tamblyn.

Text-books: *Selected English Essays.*
Arden Editions of Shakespeare.

22 **Rhetoric and Composition**; fortnightly themes in class and at least four original essays. Prescribed for all in the second year.

1 hour per week; 1 credit.

Professor Tamblyn.

30 **An outline of nineteenth century literature** with a special study of the following:

(a) Poets:

Wordsworth, *Michael, "My heart leaps up, "Lines composed above Tinturn 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," 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 Limetree 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 to the mountains), Jock of Hazeldean, Pibroch of Donald Dhu, "The sun upon the Weirdlaw Hill," Proud Maisie, Country Guy.*

Byron, *Sennacherib, "She walks in beauty," Childe Harold, Canto III, Don Juan: Dedication, Canto I, stanzas 212-218, Canto II, stanzas 49-53, Canto III, stanzas, 86-111, Canto XI, stanzas 53-75.*

Shelley, *Adonais, Lines written among the Euganean Hills, Ode to the West Wind, The Sensitive Plant, The Cloud, To a Skylark, To Night, "One Word is*

too often profaned," "*When the lamp is shattered,*" *Ozymandias.*

Keats, *Sleep and Poetry, The Human Seasons, Fancy, The Eve of St. Mark,* "*Bards of passion and of mirth,*" *Ode to a Grecian Urn, To a Nightingale, In a Drear-Nighted December, To Autumn, La Belle Dame sans Merci.*

Robert Browning, *The Lost Leader, The Bishop Orders his Tomb, Time's Revenges. Two in the Campagna, Saul, Memorabilia, Popularity, Childe Roland, A Grammarian's Funeral, Rabbi Ben Ezra, Abt Vogler, Confessions, Prospice, Development.*

Matthew Arnold, *The Strayed Reveller, Morality, Thyrsis, Dover Beach.*

D. G. Rossetti, *My Sister's Sleep, The Blessed Damozel, The Portrait, Sister Helen, Insomnia,* and the following sonnets: *On a refusal of Aid between Nations, Silent Noon, Lost Days,* "*Retro me, Sothana.*"

(b) Prose Writers:

Lamb, *Essays.*

Hazlitt, *On Familiar Style.*

Hunt, *Thoughts on Sleep.*

Bagehot, Essays on *Shelley, Shakespeare, Sterne, Thackeray, Wordsworth, Tennyson and Browning.*

Essays will be required during the session on the subjects connected with the literature read in this course. Prescribed for all third year students in General Course.

3 hours per week; 3 credits.

PROFESSOR TAMBLYN.

Text-books: *British Poets of the Nineteenth Century* (B. F. Sanborn, Boston). *Selected English Essays* (Oxford Press).

40 **English Poetical Literature since Tennyson;** a critical reading and discussion of the following:

The Oxford Book of Victorian Verse: Nos. 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, 842-3, 745-7, 751, 753-65, 770, 771, 776-9.

Georgian Poetry, 1911-12, pp. 3-72, 87-89, 106-110, 119-127, 193.

Georgian Poetry, 1913-1915, 1916-1917, a few selections.
Poems of To-day; An Anthology, (McClelland, Goodchild and Stewart), a few selections.
The Victorian Age in Literature (G. K. Chesterton).

Essays will be required from each student during the session on subjects connected with the above course. Prescribed for all students in the fourth year of the General Course.

1 hour per week; 1 credit.

Professor Tamblyn.

41 **English Prose Literature since Ruskin**; involves a study of the following:

R. L. Stevenson, *Talk and Talkers, Aes Triplex, Lantern-bearers, Pulvis et Umbra.*
G. B. Shaw, *Fanny's First Play.*
J. Burroughs, *In the Catskills* (ed. C. Johnson).
A. C. Bradley, *Poetry for Poetry's Sake.*
G. L. Dickinson, *Greek Tragedy.*

Essays will be required in this course; prescribed for all fourth year students in the General Course.

1 hour per week; 1 credit.

Professor Tamblyn.

42 **A short study of the period culminating in Chaucer.** A critical study of:

Geoffrey of Monmouth (I-III, IX-X), in translation;
Gottfried von Strassburg, *Tristan and Iseult*, in translation;
Dante Selections (Temple edition),
Piers Plowman.
Maundeville, *Travels.*
Gummere, *Ballads*
Perle, Gawain and the Green Knight.
Chaucer, *Balades, Former Age, Parliament of Foules. Troilus and Criseyde V. Canterbury Tales* (*Prologue*, framework, tales of the *knight, prioress, Sir Thopas, the nonne preest, pardoner*).

Essays will be required of all students in this course as term work. Good modernizations of some of the Middle English writers will be used where available. References will be made also to such writers as Wycliff, Gower, the

Pastons, Petrarch, etc. Prescribed for fourth year students in the General Course.

1 hour per week; 1 credit.

PROFESSOR TAMBLYN.

References: Saintsbury, *Periods of European Literature, vols. I, II, III.*
Snell, *Age of Chaucer and Age of Transition* (Bell).
Cambridge History of English Literature.

100 Besides all the work prescribed for the General Course in English 10 and 12 this course will include a critical study of Donne, *Second Anniversary*; Browning, *Bishop Blougram's Apology*; Tennyson, *In Memoriam*, Nos. 9, 10, 11, 15, 18, 19, 21, 23, 30, 33, 36, 37, 43-46, 48, 52, 55, 56, 57, 60, 63, 68, 71-77, 81, 82, 84-88, 90-93, 96, 100-102, 104-106, 110, 112-114, 121-123, 126-128, 130, Epilogue, and of the selections from Lamb to Stevenson in *Selected English Essays*. Prescribed for first year students in the Honor English and History courses.

4 hours per week; 4 credits.

200 In addition to the work read and discussed in English 20 and 22 for second year students in the General Course this course involves the following:

Anglo Saxon and the History of the English language Prescribed for second year students in the Honor English and History courses.

4 hours per week; 4 credits.

Prerequisites: English 100 or Honor Matriculation or Faculty Entrance English.

Text-books: Bright, *Anglo-Saxon Reader* (Selections II, III, VI, XII, XV, XVI, XX, XXI, XXIII).
Emerson, *History of the English Language.*
Smith, *The English Language.*

300 This course combines for students of the third year in the Honor English and History courses all the subjects of courses 30, 40, 41, 42 of the General Course.

6 hours per week; 6 credits.

Prerequisite: English 200.

Text-books: See English 30, 40, 41, 42 above.

400 **Literature**; a critical study of:

Shakespeare, *Midsummer Night's Dream, King John, King Lear, Coriolanus.*

A careful reading of:

Creation and Fall of Lucifer.
Noah's Flood.
Sacrifice of Isaac.
Secunda Pastorum.
Thersytes.

Beaumont and Fletcher, *The Knight of the Burning Pestle.*

Lyly, *Campaspe.*

Green, *Friar Bacon.*
Marlowe, *Tamburlaine, Part I; Edward II.*
Kyd, *Spanish Tragedy.*
Dekker, *A Shoemaker's Holiday.*
Jonson, *The Alchemist.*
Shakespeare, *Richard II, Richard III, Othello, Antony and Cleopatra.*
Milton, *Comus, Samson Agonistes, Arcades.*

Prescribed for fourth year students in the Honor English and History courses, and in the High School Assistants' courses I and II.

2 hours per week; 2 credits.

401 **Elizabethan and Caroline Poetry**; special study of the selections in
The English Parnassus (Clarendon Press) and *Pageant of English Poetry* (Oxford Press), from Sackville to Herrick; Palgrave, *Golden Treasury of Songs and Lyrics, Bks. I and II;* (Oxford); Spenser, *Faerie Queene, Book V;* Milton, *Paradise Lost,* Books I, II, IV; Hakluyt, *Voyages of Gilbert and Drake;* Browne, *Religio Medici;* selections from Holland and North.

Prescribed for fourth year students in the Honor English and History and the Honor Modern Languages courses.

1 hour per week; 1 credit.

402 **Literature**; lectures, critical reading and discussion of:
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.*
Wells, *Tono Bungay.*
English Prose (ed. Roe and Elliott, Longmans Green).

Prescribed for fourth year students in the Honor English and History and the Honor Modern Languages courses.

2 hours per week; 2 credits.

403 **Anglo-Saxon and Historical English Grammar**; a critical study of *Beowulf,* vv. 1250-1650; a general know-

ledge of the remainder of the poem will be expected; this may be gained from the translation of Hall, Earl, Garnett or Child.

Prescribed for the fourth year students in the Honor English and History and the Honor Modern Languages courses.

1 hour per week; 1 credit.

Text-books: *Beowulf* (Wyatt's edition);
Sweet, *Historical English Grammar.*

DEPARTMENT OF GEOLOGY

MR. .....

30 **Historical and Structural Geology.**
2 lectures; 3 laboratory hours per week; 3 credits.
Text-books: Chamberlain and Salsbury, *College Geology.*

40 **Mineralogy.** Lectures and laboratory course on the determination of minerals and blow pipe analysis.
2 lectures: 3 laboratory hours per week: 3 credits.
Prerequisite, Geology 30.

DEPARTMENT OF GERMAN LANGUAGE AND LITERATURE

PROFESSOR JAMES.

10 Grammar, pronunciation, translation from English into German, translation at sight from easy modern German prose.
3 hours per week; 3 credits.
Text: Stern, *Geschichten von deutschen Städten* (p. 88 to end).

20 Grammar, conversation, translation into German, translation from modern German.
3 hours per week; 3 credits.
Prerequisite: German 10.
Texts: Gronow, *Geschichte und Sage,*
Stern, *Geschichten von deutschen Städten* (p. 88 to end).
Hatfield, *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.

30 Grammar, translation into German, outline of German literature to 1740.
3 hours per week; 3 credits.
Prerequisite: German 20.
Texts: Heine, *Prosa* (Colbeck's edition, Macmillan Co.) pp. 1-100.
Freitag, *Soll und Haben* (Heath & Co.)

35 Scientific German.
1 hour per week; 1 credit.

40 Grammar, translation into German, outlines of the history of German literature, 1740 to the present.
3 hours per week; 3 credits.
Prerequisite: German 30.
Texts: Freitag, *Soll und Haben.*
Schiller, *Jungfrau von Orleans.*
Ebner-Eschenbach, *Lotti, die Uhrmacherin.*

45 Scientific German.
1 hour per week; 1 credit.

100 Grammar, pronunciation, translation into German, translation from modern German, outlines of the history of German literature to 1500.
4 hours per week; 4 credits.
Prerequisite: Honor Matriculation, German.
Texts: Gronow, *Geschichte und Sage* (Ginn & Co.)
Freitag, *Die Journalisten*

200 Grammar, conversation, translation from English into German; outlines of the history of German literature, 1500-1740.
4 hours per week; 4 credits.
Prerequisite: German 100.
Texts: Schiller, *Wilhelm Tell.*
Hatfield, *German Lyrics & Ballads* (as in 20).
Scheffel, *Ekkehard.*

300 Grammar, translation into German, a general acquaintance with German literature from Gottsched to the death of Schiller.
4 hours per week; 4 credits.
Prerequisite: German 200.
Texts: Lessing, *Minna von Barnhelm.*
Schiller, *Maria Stuart*
Goethe, *Herman und Dorothea*
Goethe, *Iphigenie*
Heine, *Prosa*, pp. 1-140 (Colbeck)
Klenze, *Deutsche Gedichte*, pp. 1-127.

400 Grammar, translation into German; a general acquaintance with German literature in the 19th century.
4 hours per week; 4 credits.
Prerequisite: German 300.
Texts: Schiller, *Jungfrau von Orleans.*
Klenze, *Deutsche Gedichte*, p. 131 to end.
Goethe, *Faust, Parts I and II.*
Grillparzer, *Sappho.*
Ludwig, *Die Makkabaer.*
Heine, *Poems* (ed. White).
Ebner-Eschenbach, *Lotti die Uhrmacherin.*
Nichol, *Modern German Reader*, Nos. 3, 5, 7, 9, 10, 11, 14, 18, 22, 24, 25, 26, 31, 34, 35, 36. (Holt & Co.)

401 **Elements of Middle High German Grammar;** History of Middle High German Literature.
1 hour per week; 1 credit.
Text: *Nibelungenlied, Avv.* 1, 5, 16, 29, 39.

DEPARTMENT OF HEBREW

PROFESSOR WALLER

The object of the course in Hebrew is chiefly to provide instruction for intending Theological students to enable them to read the Hebrew Bible with a thorough knowledge of grammar, pointing, and a general acquaintance with the Old Testament literature as a foundation for more advanced study of Semitic languages; but any student desiring a fuller acquaintance with the Old Testament is at liberty to choose the Hebrew options.

Every student must provide himself with a *Hebrew Bible*, Bagster's *Hebrew-English Lexicon and* Davidson's *Hebrew Grammar*, nineteenth edition, revised by McFayden; earlier editions will not be permitted in the classroom. Third year students must have Davidson's *Hebrew Syntax;* advanced students are recommended to provide themselves with the *Oxford Hebrew Lexicon.*

General Courses

10 Grammar, selections and exercises in translation from English to Hebrew and from Hebrew to English; translation of *Exodus 1-4, I Samuel 17;* grammatical analysis, parsing and vocabulary.

3 hours per week; 3 credits.

20 Grammar; exercises in translation from Hebrew to English and from English into Hebrew; pointing of simple passages; translation of *Genesis 1-4, 37, 40-45; I Kings, 17-19; II Kings, 2, 17.*

3 hours per week; 3 credits.

Prerequisite: Hebrew 10.

30 Grammar and syntax; exercises in translation from Hebrew into English and from English into Hebrew; pointing; introduction to prophetic writings; *Amos; Isaiah 1-6, 40, 50-55; Jeremiah 7, Ezekiel 14.*

3 hours per week; 3 credits.

Prerequisite: Hebrew 20.

40 Grammar, syntax, pointing, exercises in translation from English into Hebrew and from Hebrew into English; introduction to poetical writings; 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.*

3 hours per week; 3 credits.

Prerequisite: Hebrew 30.

Minor Honor Courses

100 Grammar; exercises in translation of Hebrew into English and English into Hebrew. Davidson pp. 1-126; 208-221. Translation of *Exodus 1-4, I Samuel 17, I Kings 17-19, II Kings 2, 17;* grammatical analysis, parsing and vocabulary.

4 hours per week; 4 credits.

200 Grammar; exercises in translation of Hebrew into English and of English into Hebrew; pointing of simple passages; translation of *Genesis 1-4; 37, 40-45;* introduction

to prophetic writings; *Amos; Isaiah 1-6, 40, 50-55; Jeremiah 7; Ezekiel 14.*

4 hours per week; 4 credits.

Prerequisite: Hebrew 100.

300 Grammar, syntax, pointing, composition; introduction to poetical writings; 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.*

4 hours per week; 4 credits.

Prerequisite: Hebrew 200.

400 Exercises in grammar, syntax, pointing and composition; the *Psalms* not read in Hebrew 300.

3 hours per week; 3 credits.

Prerequisites: Hebrew 300.

401 Aramaic; Brown, *Aramaic Method*, parts I, II; exercises in grammar, syntax, pointing, composition.

3 hours per week; 3 credits.

Prerequisite: Hebrew 300.

DEPARTMENT OF HISTORY

Professors Wood and Neville; Mr. Landon.

20 **Ancient Civilizations**; Early Egyptian, Babylonian, Hebrew History; Greece; Rome to 476 A.D. Lectures, readings and essays.

3 hours per week; 3 credits.

Professor Neville.

Text-book: Breasted; *Ancient Times* (Ginn & Co.)

30a **Mediaeval History**; the earlier centuries; period of study, 476-1024 A.D. Not given in 1918-9.

3 hours per week, first term; 1½ credits.

Professor Wood.

31a **Mediaeval History**; period of study 1024-1250 A.D. Essays will be required as term work.

2 hours per week, first term; 1 credit.

Prerequisite: History 20 or an equivalent.

Professor Wood.

Text-books: K. Bell, *Mediaeval Europe.*
J. H. Robinson, *History of Western Europe.*
Thatcher and McNeal, *Source Book for Mediaeval History.*
Green, *Short History of the English People.*
Gardiner, *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.*

31b **Renaissance and Reformation History**; period of study, 1450-1600. Essays will be required as term work.
2 hours per week, second term; 1 credit.
Prerequisite: History 31a.

PROFESSOR WOOD.

Text-books: E. M. Tanner, *Renaissance and Reformation.*
J. H. Robinson, *Readings in European History.*
Green, *Short History of the English People.*
Gardiner, *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.

40a **Modern History**; period of study, 1603-1713. Essays will be required of all students. (Not given in 1918-9).
2 hours per week, first term; 1 credit.

PROFESSOR WOOD.

41a **Modern History**; period of study, 1713-1815. Essays will be required as term work from all students.
2 hours per week, first term; 1 credit.
Prerequisite: History 31a, 31b.

PROFESSOR WOOD.

Text-books: Robinson and Beard, *Development of Modern Europe, vol. I.*
J. H. Rose, *Revolutionary and Napoleonic Era*
Green, *Short History of the English People.*
Gardiner, *English History.*
Robinson and Beard, *Readings in Modern European History.*
E. P. Cheyney, *Readings in English History.*
References: G. C. 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.*
J. C. Ropes, *The First Napoleon.*
Marriott and Robertson, *The Evolution of Prussia.*
Cambridge Modern History, VI., VIII., IX.

41b **Modern History**; period of study, 1815 till the present. As term work essays will be required from all students.
2 hours per week, second term; 1 credit.

PROFESSOR WOOD.

Text-books: Robinson and Beard, *Development of Modern Europe, vols. 1 and 2.*
Gardiner, *History of England.*
Innes, *History of England.*
Robinson and Beard, *Readings in Modern European History.*
E. P. Cheyney, *Readings in English History.*
Robertson and Bartholomew, *Historical Atlas of Modern Europe.*
References: J. A. R. Marriott, *England Since Waterloo.*
E. M. Hawksworth, *Last Century in Europe.*
Pietro Orsi, *Cavour.*
F. H. Skrine, *Expansion of Russia.*
J. H. Rose, *Development of Modern European Nations.*
Bismarck, *Autobiography.*
Monypenny & Buckle, *Life of Benjamin Disraeli*
Nevill Forbes, *The Balkans*
H. E. Egerton, *Canada.*
Canada and its Provinces (Selected portions).

Cambridge Modern History
The War and Democracy
Roundtable Publications
War books and pamphlets.

42 **The Constitutional History of England.** Lectures and prescribed readings.

1 hour per week; 1 credit.
Prerequisite: History 31a, 31b.

PROFESSOR WOOD.

Text-books: F. C. Montague, *Elements of English Constitutional History.*
A. M. Chambers, *Constitutional History of England.*
W. Stubbs, *Select Charters.*
Adams & Stevens, *Select Documents.*
References: T. P. Taswell-Langmead, *English Constitutional History.*
W. F. Maitland, *Constitutional History of England.*
W. Stubbs, *Constitutional History of England.*

43 **The Constitutional History of Canada;** lectures and prescribed reading;

1 hour per week; 1 credit.
Prerequisite: 31a, 31b.

PROFESSOR WOOD.

Text-books: A. R. Hassard, *Canadian Constitutional History and Law.*
J. G. Bourinot, *Constitutional History of Canada.*
Canada and its Provinces (selections).
References: Egerton and Grant, *Canadian Constitutional Development.*
F. Bradshaw, *Self-Government in Canada.*
Earl of Durham's *Report on Canada.*
Sir Richard Cartwright, *Reminiscences.*
Sir Charles Tupper, *Recollections.*

44a **The Constitutional and Political History of the United States.** This course will include a study of the colonial governments to 1787, the constitution then drawn up and the political history of the United States to the present time.

Optional for students of the fourth year General Course.
Prerequisite: History 31a, 31b.
2 hours per week; 1 credit.

MR. LANDON.

Text-books: Muzzey, D. S., *American History.*
Thorpe, F. N., *Short Constitutional History of the United States.*
References: Bryce, James, *The American Commonwealth.*
Stevens, C. E., *Sources of the Constitution of the United States.*
Cambridge Modern History Vol. VII.
Smith, Goldwin, *The United States, A Political History*
Macdonald, Wm., *Documentary Source Book of American History and Select Documents of United States History.*
Beard, C. A., *Contemporary American History.*
Bassett, J. S., *Short History of the United States.*
Rhodes, J. F., *History of the Civil War.*

44b **The Diplomatic Relations of the United States** with other countries, particularly with Great Britain and Canada, and a study of United States diplomacy in the present war.

Optional for students of the fourth year General Course.

Prerequisite: History 31a, 31b.
2 hours per week; 1 credit.

MR. LANDON.

Text-books: Foster, J. W., *A Century of American Diplomacy*.
Fish, C. R., *American Diplomacy*.
References: As above for constitutional and political history together with the Messages and Papers of the Presidents.

45 **Anthropology**; a course of lectures and prescribed reading.
1 hour per week; 1 credit.
Prerequisite: History 31a, 31b.

PROFESSOR WOOD.

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, *Influence of Geographic Environment*.

46 **Outline of the History of Arts and Sciences**; lectures and readings.
1 hour per week; 1 credit.
Prerequisites: History 31a, 31b.

Honor Courses

100 A survey of the civilizations of Egypt, Babylonia, and the Nearer Orient, with special emphasis on the contributions they have made to world progress; political and constitutional history of Greece; political and constitutional history of Rome to the fall of the Western Empire.
Lectures, prescribed reading and essays.
4 hours per week; 4 credits.

PROFESSOR NEVILLE.

Text-books: Breasted, *History of the Egyptians*.
Jastrow, *History of the Babylonians and Assyrians*.
Kent, *The History of the Hebrew People*.
Hall, *The Ancient History of the Near East*.
Botsford, *History of Greece*.
Bury, *History of Greece*.
How & Leigh, *History of Rome*.
Botsford, *History of Rome*.
Breasted, *History of Ancient Times*.

200a **Mediaeval History**, 476-1250. Lectures, prescribed reading; essays will be required of all students as term work.
3 hours per week, fall term; 1½ credits.
Prerequisite: History 100.

PROFESSOR WOOD.

Text-books: Jean de Joinville, *Memoirs of St. Louis* (Selected parts).
K. Bell, *Mediaeval Europe*.
J. H. Robinson, *History of Western Europe*.
Thatcher & McNeal, *Source Book for Mediaeval History*.
Green, *Shorter History of the English People*.
Gardiner, *History of England*.

References: *English History Source Books* (Bell).
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 & Sellery, *Mediaeval Civilization.*

200b **Renaissance and Reformation History.** Period of Study 1460-1500. Lectures prescribed reading; essays will be required as term work from all the students.
2 hours a week, second term; 1 credit.
Prerequisite: History 100, 200a.

Professor Wood.

Text-books: Fraser, *English History and Contemporary Poetry* 1489-1588.
E. M. Tanner, *Renaissance and Reformation.*
J. H. Robinson, *Readings in European History.*
Green, *Short History of the English People.*
Gardiner, *History of England.*
Colby, *Selections from the Sources of English History.*
References: W. S. Lilly, *Renaissance Types.*
M. Whitcombe, *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. 1 and 2

300a **Modern History.** 1603-1815. Lectures, assigned reading; essays will be required as term work from all students in this course.
3 hours a week first term; 1½ credit hours.
Prerequisite: History 200a, 200b.

Professor Wood.

Text-books: Arthur Young, *Travels in France.*
Robinson and Beard, *Development of Modern Europe, Vol. I.*
Robinson and Beard, *Readings in Modern European History.*
E. P. Cheyney, *Readings in English History.*
J. H. Rose, *Revolutionary and Napoleonic Era.*
Green, *Short History of the English People.*
Gardiner, *History of England.*
References: See History 40a.

300b **Modern History.** 1815 till the present. Lectures and assigned readings; essays will be required of all students.
2 hours a week, second term; 1 credit.
Prerequisite: History 300a.

Professor Wood.

Text-books: John Bright's *Speeches* (Selected portions).
Robinson and Beard, *Development of Modern Europe, Vols. 1 and 2.*
Robinson and Beard, *Readings in Modern European History.*
E. P. Cheyney, *Readings in English History.*
Gardiner, *History of England.*
Innes, *History of England.*
Robertson and Bartholomew, *Historical Atlas of Modern Europe.*
References: See History 40b.

400 **Historical Philosophy and Historical Methods.** Lectures and Readings.
1 hour per week; 1 credit.
Prerequisite: History 300a, 300b.

Professor Wood.

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, *Leviathan*.
Lord Acton, *The Study of History*.
Langlois & Seignobos, *Introduction to the Study of History*.

401 **Canada Since Confederation.**
1 hour per week; 1 credit.
Prerequisite: History 300a, 300b.

PROFESSOR WOOD.

Text-books: George Bryce, *Short History of the Canadian People*.
H. E. Egerton, *Canada*.
Sir Joseph Pope, *The Day of Sir John MacDonald* (Chronicles of Canada).
Canada and its Provinces. (Selected portions).

404 **The Constitutional and Political History of the United States.** This course will include a study of the colonial governments to 1787, the constitution then drawn up and the political history of the United States to the present time.

The diplomatic relations of the United States with other countries, particularly with Great Britain and Canada, and a study of United States diplomacy in the present war.

Prescribed for students in the fourth year of the Honor course in English and History.

2 hours per week; 2 credits.

MR. LANDON.

Text-books: Muzzey, D. S., *American History*.
Thorpe, F. N., *Short Constitutional History of the United States*
Foster, J. W., *A Century of American Diplomacy*.
Fish, C. R., *American Diplomacy*.
References: Bryce, James, *The American Commonwealth*.
Stevens, C. E., *Sources of the Constitution of the United States*.
Cambridge Modern History Vol. VII.
Smith, Goldwin, *The United States, A Political History*.
Macdonald, Wm., *Documentary Source Book of American History and Select Documents of United States History*.
Beard, C. A., *Contemporary American history*.
Bassett, J. S., *Short History of the United States*.
Rhodes, J. F., *History of the Civil War*.
Messages and Papers of the Presidents.

DEPARTMENT OF MATHEMATICS

PROFESSOR PATTERSON

10 **Algebra:**—Variables, linear and quadratic functions of two variables, graphs, maximum and minimum values of quadratic functions of a single variable; linear and quadratic equations of two and three unknowns; elementary theory of quadratic equations; solutions of higher equations by means of quadratic equations; ratio and proportion; varia-

tion; inequalities; arithmetical, geometrical, and harmonical progressions; interest forms and annuities.

2 hours per week; 2 credits.

Prerequisites: Pass Junior Matriculation in Mathematics.

Text-book: DeLury, *An Intermediate Algebra.*

11 **Geometry**:—A more thorough treatment of the subject as found in the *Ontario High School Geometry. Part I*, together with an elementary treatment of the following: inscribed, escribed and circumscribed circles to a triangle; in-centre, mean-centre and orthocentre of a triangle; mean triangle, median triangle, pedal triangle, and ex-central triangle; circles determined by points, lines and circles; axes of symmetry, axes of homology; centres of symmetry and centres of homology; radical axis, radical centre; inversion, poles and polars; collinear points, concurrent lines; harmonic properties of quads; loci.

2 hours per week; 2 credits.

Prerequisites: Pass Matriculation in Mathematics.

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

20 **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, indetermined coefficients; elimination; permutations and combinations; binomial theorem with applications.

2 hours per week; 2 credits.

Prerequisites: Mathematics 10 and 11.

Text-book Hall and Knight, *Higher Algebra*, pp. 50-186 (Macmillan Co.)

21 **Geometry**:—Analytical Geometry of the point, the line and the circle.

1 hour per week; 1 credit.

Prerequisite Mathematics 10 and 11.

Text-book: W. M. Baker, *Algebraic Geometry, Part I* (Copp Clark Co.)

22 **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 formulae; logarithms; solution of triangles with derivation of the necessary formulas; radii of inscribed, escribed and circumscribed circles to a triangle; perimeters and areas of inscribed and circumscribed regular polygons to a circle.

Prerequisite: Mathematics 10 and 11.

Text-book: Hall and Knight, *Elementary Trigonometry* (Macmillan Co.)

Honor Courses

100 Algebra:—As treated in Hall and Knight's *Higher Algebra*, pp. 187-340.
1 hour per week; 1 credit.
Prerequisites: Honor Matriculation in Mathematics or Mathematics 10, 11, 20, 21, 22.

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

101 Synthetic Plane Geometry.
1 hour per week; 1 credit.
Prerequisites: as for Mathematics 100.

Text-book: Dupuis, *Elementary Synthetic Geometry* (Macmillan Co.)
Reference: C. Smith, *Geometrical Conics* (Macmillan Co.)

102 Analytical Plane Geometry.
2 hours per week; 2 credits.
Prerequisites: as for Mathematics 100.

Text-book: C. Smith, *Conic Sections* (Macmillan Co.)

103 Synthetic Solid Geometry.
1 hour per week; 1 credit.
Prerequisites: as for Mathematics 100.

Text-book: Dupuis, *Synthetic Solid Geometry* (Macmillan Co.)

104 Trigonometry; the subject as contained in Lock's *Higher Trigonometry* (The Macmillan Co.)
1 hour per week; 1 credit.
Prerequisite: as for Mathematics 100.

Reference: Hobson, *Plane Trigonometry* (Cambridge Press).

105 Elementary Differential and Integral Calculus.
1 hour per week; 1 credit.
Prerequisite: as for Mathematics 100.

Text-book: Granville, *Differential and Integral Calculus* (Ginn & Co.)

200 Algebra:—The subject as treated in Hall and Knight's *Higher Algebra*, pp. 340-489, with special emphasis on

(a) The Theory of Determinants,
(b) The Theory of Equations.

2 hours per week; 2 credits.
Prerequisites: Mathematics 100.

Text-books: L. G. Weld, *The Theory of Determinants* (Macmillan Co.)
Burnside and Panton, *Theory of Equations, vol. I.* (Dublin Univ. Press)

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

201 Analytical Plane Geometry.
1 hour per week; 1 credit.
Prerequisite: Mathematics 102.

Text-books. C. Smith, *Conic Sections* (Macmillan Co.)
Salmon, *Conic Sections* (Longmans, Green & Co.)

202 Analytical Solid Geometry.
1 hour per week; 1 credit.
Prerequisites: Mathematics 100-105 inclusive.
Text-book: C. Smith, *Solid Geometry* (Macmillan Co.)

203 Spherical Trigonometry and Astronomy.
1 hour per week; 1 credit.
Prerequisites: Mathematics 100-105 inclusive.
Text-book: Dupuis and Matheson, *Spherical Trigonometry* (Uglow & Co.)
References: Todhunter and Leatham, *Spherical Trigonometry* (Macmillan Co.)
Barlow and Bryan, *Elementary Mathematical Astronomy* (Briggs and Bryan, Tutorial Series.)

204 Differential and Integral Calcilus.
2 hours per week; 2 credits.
Prerequisites: Mathematics 105.
Text-books: Granville, *Differential and Integral Calculus* (Ginn & Co.)
Williamson, *Integral Calculus, Elementary Treatise* (Longmans, Green).
References; The works of Byerly, Edwards, Johnson, Williamson.

Group 3.

(Note: Group 3 and Group 4 are given in alternate years; Group 4 in 1918-19),

300 Invariant Theory.
1 hour per week; 1 credit.
Prerequisites: Mathematics 200-204 inclusive.
Text-books: Burnside and Panton, *Theory of Equations, vol. I* (Dublin Univ Press).
L. E. Dickson, *Algebraic Invariants* (Wiley and Sons.)
References: Elliott, *The Algebra of Quantics* (Oxford Press).
Salmon, *Lessons on Modern Higher Algebra* (Gauthier-Villars, Paris)

301 Modern Higher Geometry, Analytic and Synthetic.
1 hour per week; 1 credit.
Prerequisites: Mathematics 200-204 inclusive.
Text-books: Salmon, *Conic Sections* (Longmans, Green & Co.)
Reye, (tr. Holgate), *Geometry of Position, Part I* (Macmillan Co.)
References: Cremona, *Projective Geometry* (Macmillan Co.)
Hatton, *Principles of Projective Geometry* (Dent & Sons.)

302 Higher Plane Curves.
1 hour per week; 1 credit.
Prerequisites: Mathematics 200-204 inclusive.
Text-books: Williamson, *Differential Calculus* (Appleton & Co.)
Williamson, *Integral Calculus* (Longmans, Green & Co.)
Salmon, *Analytical Geometry* (Gauthier-Villars, Paris).

303 Solid Geometry; a continuation of course 202.
2 hours per week; 2 credits.
Prerequisites: Mathematics 200-204 inclusive.
Text-books: C. Smith, *Solid Geometry* (Macmillan Co.)
Salmon, *Analytical Geometry of Three Dimensions, vol. I* (Longmans).
References: Salmon, *Analytical Geometry of Three Dimensions, vol. I and II* (Longmans, Green & Co.)

304 **Differential Equations.**
1 hour per week; 1 credit.
Prerequisites: Mathematics 200-204 inclusive.
Text-book: W.W. Johnston, *Monograph on Differential Equations* (Wiley & Sons.)
References: W. W. Johnston, *Differential Equations* (Wiley & Sons.)
Forsyth, *Differential Equations* (Macmillan Co.)

305 **Quaternions**; introductory course.
1 hour per week; 1 credit.
Prerequisites: Mathematics 200-204 inclusive.
Text-book: Hardy, *Elements of Quaternions* (Ginn & Co.)
References: Kelland and Tait, *Introduction to Quaternions* (Macmillan Co.)
Tait, *Quaternions.*
Hamilton, *Quaternions.*

Group 4.

400a **Theory of Number Concepts**; introductory course.
2 hours per week; first term; 1 credit.
Prerequisites: Mathematics 200-204 inclusive.
Text-book: Manning, *Irrational Numbers* (Wiley & Sons.)
References: Dedekind, *Essays on Number* (Open Court Publishing Co.)
Harkness and Morley, *Theory of Functions* (Macmillan Co.)
Forsyth, *Theory of Functions.*
Harnack, *Introduction to the Calculus.*
Pierpont, *Theory of Functions of Real Variables, Vol. I* (Ginn & Co.)

400b **Theory of Functions of Real and Complex Variables**; a continuation of 400a.
2 hours per week, second term; 1 credit.
Prerequisites: Mathematics 200-204 inclusive.
Text-book: T. S. Fiske, *Functions of a Complex Variable* (Wiley & Sons.)
References: as for Mathematics 400a, augmented by Goursat, *Functions of a Complex Variable* (Ginn & Co.)

401a **Theory of Elliptical Functions**; introductory course.
2 hours per week, first term; 1 credit.
Prerequisite: Mathematics 200-204 inclusive.
Text-book: A. L. Baker, *Elliptical Functions* (Wiley & Sons.)
Reference: H. Handcock, *Lectures on the Theory of Elliptical Functions.*

401b **Theory of Hyperbolic Functions**; introductory course.
2 hours per week, second term; 1 credit.
Prerequisite: Mathematics 200-204 inclusive.
Text: J. McMahon, *Hyperbolic Functions* (Wiley & Sons.)

402a **Twisted Curves**; a lecture course.
2 hours per week, first term; 1 credit.
Prerequisites: Mathematics 200-204 inclusive.
Text-book: Salmon, *Analytical Geometry of Three Dimensions, Vols. I and II.*

402b **Vector Algebra.**
2 hours per week, second term; 1 credit.
Prerequisites: Mathematics 200-204 inclusive.

Text-book: E. W. Hyde, *Grassmann's Space Analysis* (Wiley & Sons).
References: Hyde, *Directional Calculus*.
J. G. Coffin, *Vector Analysis*.

403a **Riemann's Surfaces**; introductory course.
1 hour per week, first term; ½ credit.
Prerequisites: Mathematics 200-204 inclusive.

Text-book: Lectures based on certain chapters of the texts below.
References: Harkness and Morley, *Theory of Functions* (Macmillan Co.)
Forsyth, *Theory of Functions* (Putnams.)

403b **Theory of Continuous Groups of One Parameter** applied to the solution of Differential Equations.
1 hour per week, second term; ½ credit.
Prerequisite: Mathematics 200-204 inclusive.

Text-book: Page, *Ordinary Differential Equations* (Macmillan Co.)
References: A. Cohen, *The Lie Theory of One Parameter Groups* (Heath & Co.)

404a **Calculus of Variations**; introductory course. Lectures.
1 hour per week, first term; ½ credit.
Prerequisites: Mathematics 200-204 inclusive.

References: H. Handcock, *Lectures on Calculus of Variations* (Univ. of Cincinnati).
Bolza, *Lectures on the Calculus of Variations* (Univ. of Chicago).

404b **Calculus of Finite Differences**; introductory course; lectures.
1 hour per week, second term; ½ credit.
Prerequisites: Mathematics 200-204 inclusive.

References: J. Burn and E. H. Brown, *Elements of Finite Differences*.

DEPARTMENT OF PHILOSOPHY

DR. SAGE, MR. MACARTHUR AND MR. .....

20 **Logic**; Formal and Inductive; optional for students in the second year of the General Course.
1 hour per week; 1 credit.

MR. .....

Text-book: Jevons, *Elementary Lessons in Logic* (Macmillan Co.)

21 **Psychology**; Sensation, Thought, Emotion, Volition; optional for students in the second year of the General Course; prescribed for students in the High School Assistants Courses I and II.
1 hour per week; 1 credit.

DR. SAGE.

Text-books: Angell, *Psychology* (Holt).
Stout, *Groundwork of Psychology* (Hinds, Noble).

30 **History of Philosophy**; prescribed for the students in the third year of the General Course; lectures, assigned reading and essays; Greek philosophy, with special reference

to Socrates, Plato, Aristotle; Pre-Kantian philosophy, especially Descartes, Spinoza, Leibnitz; English philosophy with special reference to Bacon, Hobbes, Locke, Berkeley, Hume.

2 hours per week; 2 credits.

MR. MCARTHUR.

31 **Ethics**; the history of early modern ethics up to Kant; theory of obligation; applied ethics; prescribed for third year students in the General Course and in all the Honor Courses except Classics, Physics and Biology.

1 hour per week; 1 credit.

DR. SAGE.

Text-books: Mackenzie, *Manual of Ethics*.
D'Arcy, *A Short Study of Ethics*.
Dewey and Tufts, *Ethics*.
Sidgwick, *History of Ethics*.

32 **Psychology**; prescribed for all third year students in the B.A., M.D. course.

1 hour per week, first term; ½ credit.

MR. .....

40 **Modern Philosophy**; lectures, prescribed reading and essays. An option for students in the fourth year of the General Course. The course deals with the following topics:—

I. German Philosophy, with special reference to Kant and his disciples.
II. English Philosophy; Mill and Spencer.
III. Most recent philosophic theories.

2 hours per week; 2 credits.

MR. MCARTHUR.

DEPARTMENT OF PHYSICAL AND MILITARY TRAINING

Director: **CAPT. G. MEL. BROCK.
Acting Director: CAPT. K. P. R. NEVILLE.
Instructor, Physical Training for Women: MISS MONA H. FITZGERALD.
Student Assistant: A. W. SMITH.

Students are given a physical examination at the beginning of each session. Anthropometric charts are kept for each student. Corrective exercises will be prescribed where necessary.

10 **Physical Training for Women.** Required of all women students in the first year. Swedish Gymnastics, Calisthenics, simple folk and artistic dancing, basketball, swimming.

2 or 3 hours per week; 1 or 1½ credits.

Tuesday and Thursday, 4.30, Gymnasium.

MISS FITZGERALD.

11 **Physical Training for Men.** Required of all men in the first year. Drills and exercises, outdoor and indoor games.

2 to 3 hours per week; 1 or 1½ credits.

Monday and Wednesday at 4.30, Gymnasium.

Mr. Smith.

12 **Military Training.** An alternative for Physical Training 11 for men of the first year. Squad, section, platoon and company drill.

2 or 3 hours per week; 1 or 1½ credits.

Tuesday, Thursday, Friday, 5-6, Armouries.

Capt. Neville and Assistants.

20 **Physical Training for Women.** Required of all women in their second year. Swedish Gymnastics, Calisthenics, advanced folk and artistic dancing, basketball, swimming and fencing.

2 or 3 hours per week; 1 or 1½ credits.

Tuesday and Thursday, 4.30, Gymnasium.

Miss Fitzgerald.

21 **Physical Training for Men.** Required of all men in the second year. Drills and exercises, outdoor and indoor games.

2 or 3 hours per week; 1 or 1½ credits.

Monday and Wednesday at 4.30, Gymnasium.

Mr. Smith.

22 **Military Training.** Optional with 21 for all men in their second year. Practice in instruction in squad, section, platoon and company drill. Preparation for the efficiency test for certificates for lieutenants in the Canadian Militia.

2 or 3 hours per week; 1 or 1½ credits.

Prerequisite: Physical and Military Training 12.

Tuesday, Thursday, Friday, 5-6, Armouries.

Capt. Neville and Assistants.

30 **Advanced Physical Training for Women.** Optional for women of the third and fourth years. Open to those only who have had Physical Training 10 and 20.

2 hours per week; 1 credit.

Miss Fitzgerald.

32 **Military Training.** Optional for men in their third year. Practice in instruction in squad, section, platoon and company drill, as non-commissioned officers in the University contingent.

Lectures and theory of the work laid down for certificate for lieutenants in the Canadian Militia.

3 to 5 hours per week; 3 credits.

Prerequisite: Physical and Military Training 22.

42 **Military Training**; an option for men in their fourth year; practice, lectures, theory of the work laid down for captains' certificates in Canadian Militia.

5 hours per week; 3 credits.

Prerequisite: Physical and Military Training 32.

DEPARTMENT OF PHYSICS

PROFESSOR BARKER

10 **Mechanics, Heat, Sound**: A presentation of the general principles without extensive mathematical applications. Optional for first year students in the General Course.

2 lectures and 3 laboratory hours per week; 3 credits.

Text-books: Franklin and McNutt, *General Physics.*
Reed and Guthe, *College Physics.*
Aldous, *Elementary Course of Physics.*

12 **General Physics**: An introductory course of demonstrations and lectures, supplemented by practical work in the laboratory; prescribed for first year students in the College of Medicine.

2 lectures, 3 laboratory hours per week; 3 credits.

Text-books: See Physics 10.

20 **Light, Electricity and Magnetism**; supplementary to 10 and similar in scope. Optional for second year students in the General Course. Trigonometry, including logarithms, must be taken previously or simultaneously.

2 lectures, 3 laboratory hours per week: 3 credits.

Prerequisites: Physics 10.

Text-books: See Physics 10.

30 **Physical measurements**; lectures on laboratory methods and practical work with emphasis on precision; optional, with 31, for third year students in the General Course.

3 laboratory hours per week; 1 credit.

Prerequisites: Physics 20.

31 **Electrical Measurements.** Lectures and practical work illustrating various methods of measurement and comparison of fundamental electrical quantities. Optional with 30, for third year students in the General Course.

3 laboratory hours per week; 1 credit.

Prerequisites: Physics 20.

40 **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, involving elementary applications of calculus. Optional for fourth year students in the General Course.

2 lectures, 3 laboratory hours per week; 3 credits.

Prerequisites: Physics 31, Mathematics 102 and 105.

Honor Courses

100 **Light, Electricity and Magnetism.** The general principles of fundamental importance with mathematical treatment involving a knowledge only of trigonometry and logarithms; similar to 20. Prescribed for first year students in the Honor Physics and Mathematics Courses and for second year students in the B.A., M.D. and in the Honor Biology Courses.

2 lectures, 3 laboratory hours per week; 3 credits.

Prerequisites: Physics 10 or an equivalent.

101 **Physical Measurements**; similar to 30; prescribed for students in the first year of the Honor Physics and Mathematics Courses.

3 laboratory hours per week; 1 credit.

102 **Mechanics, Heat and Sound.** Fundamental principles without extensive mathematical applications; prescribed for first year students in the B.A., M.D. and the Honor Biology Courses.

2 lectures, 3 laboratory hours per week; 3 credits.

Prerequisites: Physics 10 or an equivalent.

200 **Elements of Mechanics**; a mathematical treatment introducing numerous applications of physical principles. Prescribed for the second year students in the Honor Physics and Mathematics Courses.

2 lectures per week; 2 credits.

Prerequisites: Physics 100, 101.

Text-books: Jeans, *Mechanics.*
Crew, *Principles of Mechanics.*

201 **Geometrical and Physical Optics.** A more advanced treatment of theoretical and applied optics, including an historical treatment of the development of the modern conceptions of light. Prescribed for second year students in the Honor Physics and Mathematics Courses.

2 lectures per week; 2 credits.

Prerequisites: Physics 100, 101.

Text-books: Wood, *Physical Optics.*
Houston, *Light.*

300 **Advanced Mechanics**; a continuation of 200 making use of calculus and simple differential equations; prescribed for third year students in the Honor Physics and Mathematics Courses. Offered in alternate years.
2 lectures per week; 2 credits.
Prerequisites: Physics 200, 201.

301 **Principles of Electricity and Magnetism.** An historical and mathematical treatment; prescribed for third year students in the Honor Physics Course. Offered in alternate years.
2 lectures per week; 2 credits.

302 **Electrical measurements**; similar to 31. Prescribed for third year students in the Honor Physics and Mathematics Courses.
3 laboratory hours per week; 1 credit.
Prerequisites; Physics 200, 201.

303 **Spectroscopy and Radiation**; an introduction to modern conceptions in spectroscopy and high temperature measurements. Prescribed for third year student in the Honor Physics Course. Offered in alternate years.
3 hours per week in laboratory, 1 credit.
Prerequisites: Physics 200, 201.

304 **Wave Motion and Oscillatory Phenomena**; an elementary treatment of Fourier's analysis and the mathematics of wave motion. Prescribed for third year students in the Honor Physics Course.
1 lecture per week; 1 credit.
Prerequisites: Physics 200, 201.

400 **Mathematical Theory of Potential** with applications. Prescribed for fourth year students in the Honor Physics and Mathematics Courses. Offered in alternate years.
2 lectures per week; 2 credits.
Prerequisites: Physics 300-304.

401 **Electromagnetic Theory and Practice**; similar to 40. Prescribed for fourth year students in the Honor Physics Course.
2 lectures, 3 laboratory hours per week; 3 credits.
Prerequisites 300-304.

402 **Elementary Thermodynamics and Theory of Gases.** Prescribed for fourth year students in the Honor Physics and Mathematics Courses. Offered in alternate years.
2 lectures per week; 2 credits.
Prerequisite: Physics 300-304.

403 **Electron Theory of Matter and Electromagnetic Theory of Light.** A study of the development of some recent ideas concerning matter and energy. Prescribed for fourth year students in the Honor Physics and Mathematics Courses.

1 lecture per week; 1 credit.

Prerequisite: Physics 300-304.

DEPARTMENT OF POLITICAL ECONOMY

PROFESSOR WOOD; MR. PERRIN.

Political Economy

20 **The Elements of Political Economy.** Lectures, assigned reading; essays will be required as term work from all students.

3 hours per week; 3 credits.

PROFESSOR WOOD.

Text-books: C. Gide, *Principles of Political Economy.*
F. W. Taussig, *Principles of Economics.*
C. J. Bullock, *Selected Readings in Economics.*
J. G. Bartholomew, *Advanced Economic Atlas.*
References: The Works of Adam Smith, Ricardo, Mill, Marks, Boehm-Bawerk, Marshall, Smart, Nicholson, Ely, etc.

30 Discussion of the following subjects: **Money, Banking, Domestic and Foreign Exchange, Public Finance, Taxation, Statistical Methods.** Lectures, assigned reading; essays will be required from all students.

3 hours per week; 3 credits.

Prerequisite: Political Economy 20.

PROFESSOR WOOD.

Text-books: D. A. Barker, *Theory of Money.*
J. F. Johnson, *Money and Currency.*
Canada and Its Provinces, Vol. 10.
G. C. Plehn, *Introduction to Public Finance.*
J. Lyon, *Principles of Taxation.*
W. I. King, *Elements of Statistical Methods.*
References: 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).

40 Discussion of (a) **The History of Economic Theories,** (b) **Labor Conditions and Problems,** (c) **Principles of Transportation.** Lectures; assigned readings; essays as term work from all students.

3 hours per week; 3 credits.

Prerequisite: Political Economy 30.

PROFESSOR WOOD.

Text-books: J. K. Ingram, *History of Political Economy.*
F. T. Carleton, *History and Problems of Organized Labor.*
E. R. Johnson, *Elements of Transportation.*

200 This course is an expansion of Political Economy 20 (*q. v.*); Honor standing will be required.

201 **Industrial History of Canada Since Confederation.** Lectures, readings, essays.
2 hours per week; 2 credits.
PROFESSOR WOOD.
Text-book: *Canada and Its Provinces, Vol.* 9.

300 This course is a repetition for honor students of Political Economy 30.

301 **The Economic History** of Great Britain, various European countries and the United States of America. Lectures, prescribed reading; essays as term work.
2 hours per week; 2 credits.
Prerequisite: Political Economy 200, 201.
PROFESSOR WOOD.
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 & Tawney, *English Economic History, Select Documents*
References: 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.*

400 **The History of Economic Theories from the Middle Ages.** Essays, lectures, reading.
Textbook: J. K. Ingram, *History of Political Economy.*

401 **Labor Conditions and Problems. Socialism, Syndicalism.** Lectures, prescribed reading, essays.
Text-books: O. D. Skelton, *Socialism, A Critical Analysis.*
F. T. Carleton, *History and Problems of Organzied Labor.*

402 **Transportation;** lectures, reading and essays.
Text-books: E. R. Johnson, *Elements of Transportation.*
L. G. Macpherson, *Transportation in Europe.*

403 **International Trade and Tariff Systems.** Lectures, assigned reading, essays.
Text-books: C. F. Bastable, *Theory of International Trade.*
G. M. Fisk, *International Commercial Policies.*

404 **Problems of Distribution.** Lectures, reading and essays.
Text-book: J. R. Commons, *Distribution of Wealth.*

Government and Law

305 **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.

1 hour per week; 1 credit.

Prerequisite: Law 200.

MR. PERRIN.

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

306 **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 the changes introduced by the Legislation of Henry II, Edward I and Edward III.

1 hour per week; 1 credit.

Prerequisite: Law 200.

MR. PERRIN.

Text-books: Pollock and Maitland, *History of English Law, Vol. I.*
Storry-Deans, *Students' Legal History.*

307 **Jurisprudence.** General and Historical Jurisprudence, the analysis of law and of rights, the sources of law, a general classification of rights, adjective private law, public law and its various divisions.

1 hour per week; 1 credit.

Prerequisite: Law 200.

MR. PERRIN.

Text-books: Holland's *Elements of Jurisprudence.*
Sir Henry Maine's *Ancient Law.*

405 **English Constitutional Law.** The law of the English Constitution, with a sketch of the two Houses of Parliament, the Prerogatives, the Conventions, Courts.

1 hour per week; 1 credit.

Prerequisite: Law 300-307.

MR. PERRIN.

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

406 **Federal Constitutional Law.** The leading features of Federal Government as exhibited in the most prominent Federal States. Constitutions of Canada, Australia, Switzerland and the United States.

1 hour per week; 1 credit.

Prerequisite: Law 300-307.

MR. PERRIN.

Text-books: Lefroy, *Federal System and Leading Cases in Federal Constitutional Law.*
Woodrow Wilson, *Congressional Government.*

407 **Colonial Constitutional Law.** The various forms of Colonial Government, with special reference to the self-governing colonies.

1 hour per week; 1 credit.

Prerequisite: Law 300-307.

MR. PERRIN.

Text-book: Todd, *Parliamentary Government in the Colonies.*

(to p. 318.)

408 **Public International Law.** The essential principles are discussed and special reference made to current illustrations.

1 hour per week; 1 credit.

Prerequisite: Law 300-07.

MR. PERRIN.

Text-book: Westlake's *International Law*.

DEPARTMENT OF PUBLIC HEALTH AND BACTERIOLOGY

DIRECTOR HILL AND DR. LUNEY.

10 A Series of fifteen lectures is given to students of the first year dealing with public health, preventive medicine, and hygiene, and describing the essentials of bacteriology so far as applicable to modern life. The modern methods of handling and prevent infections 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 a 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 life of a private citizen.

1 hour per week; 1 credit.

DEPARTMENT OF ROMANCE LANGUAGES

PROFESSOR LIVINGSTON, MISS BAYNES.

French

The object of the general course is to perfect the student with junior matriculation in the use of French as an instrument of study in connection with other subjects and as an instrument of culture. It aims at developing a facile and intelligible pronunciation of French, ability to understand spoken French, rapid reading, some control over the spoken language, a general view of French literature (from the reading in French of an elementary history of French Literature). The pass courses are all in charge of Miss Baynes, and are conducted entirely in French.

10 Grammar, dictation, conversation, translation into French.

3 hours per week; 3 credits.

MISS BAYNES.

Text-books: Guy de Maupassant, *Huit contes choisis.*
Sarcey, *Le siège de Paris.*
Crouzet, *Histoire de la littérature française.*
Oxford Book of French Verse.
Outside reading: Loti, *Pêcheur d' Islande.*

20 Grammar, dictation, conversation, translation into French.
Prerequisite: French 10.
3 hours per week; 3 credits.

Miss Baynes.

Text-books: Anatole France, *Le Crime de Silvestre Bonnard.*
Renan, *Souvenirs d' enfance et de jeunesse.*
Voltaire, *Contes* (Oxford ed.)
Crouzet, *Ibid.*
Oxford Book of French Verse.
Outside reading: Mérimée, *Colomba, Contes.*

30 Grammar, dictation, conversation, translation into French.
Prerequisite: French 20.
3 hours per week; 3 credits.

Miss Baynes.

Text-books: Corneille, *Le Cid.*
Moliere, *Le bourgeois gentilhomme.*
Beaumarchais, *Le mariage de Figaro.*
Hugo, *Hernani.*
Hugo, *La légende des siècles.*
Crouzet, *ibid.*
Oxford Book of French Verse.
Outside reading: Anatole France, *Le livre de mon ami.*

40 Grammar, dictation, conversation, translation into French.
Prerequisite: French 30.
3 hours per week; 3 credits.

Miss Baynes.

Text-books: Chateaubriand, *Atala.*
Lamartine, *Graziella.*
Hugo, *Les chatiments.*
Hugo, *Ruy Blas.*
Alfred de Vigny, *Chatterton.*
Musset, *Comédies.*
Gautier, *Emaux et Camées.*
Crouzet, *Ibid.*
Oxford Book of French Verse.
Outside Reading: Stendhal, *Le rouge et le noir.*

The Honor Course

The Honor course aims at developing in the student (1) an intelligible and facile pronunciation of French; (2) a knowledge of grammar and syntax required for teaching the elements of the language; (3) a rapid and accurate ability in reading French of various styles; (4) sufficient familiarity with the content of French literature and the terminology of criticism and literary history for beginning graduate work in Canadian or American universities. About one-third of the work is devoted to grammar and composition. The courses are conducted to a large extent in French. Notable deficiency in pronunciation at the end of the first year will bar the student from continuing the honor course.

In course 200 the aim is to make the student familiar with the concepts "classic" and "romantic" and with the history and critique of these two theories. Course 300 deals with three personalities of the seventeenth century. Course 400 deals with a number of characteristic French ideals. Honor students are expected to provide themselves with a general view of the history of French literature by reading in English some text-book on the subject, and a certain number of English translations of French works, especially of the Medieval period.

100 Grammar, conversation, dictation, translation into French. Prescribed for honor courses in Modern Languages and Romance Languages, and optional for honors in English and History.

3 hours per week; 3 credits.

MISS BAYNES.

Text-books: Harvitt, *Contes divers.*
Sanderson, *Through France and the French Syntax.*
Labiche, *Un chapeau de paille d'Italie.*
Daudet, *Tartarin de Tarascon.*
Lafontaine, *Fables.*
Augier, *Le gendre de Monsieur Poirier.*
Beaumarchais, *Le barbier de Seville.*
Oxford Book of French Verse.
References: Fraser and Squair, *French Grammar.*

200 Grammar, conversation, dictation, translation into French, essays in French.

Prescribed for honors in Modern Languages and Romance Languages I, II, III; optional for honors in English and History.

Prerequisite: Honor matriculation or course 100.

3 hours per week; 3 credits.

PROFESSOR LIVINGSTON.

Text-books: Sanderson, *Through France and the French Syntax.*
Corneille, *Le Cid, Horace,.*
Hugo, *Hernani.*
Rostand, *Cyrano de Bergerac.*
Plato, *Republic.*
Aristotle, *Poetics.*
Du Bellay, *Défence et illustration de la langue française.*
Sydney, *Defence of Poesy.*
Hugo, *Préface de Cromwell.*
Corneille, *Discours.*
Croce, *Breviary of Aesthetik.*
Boileau, *Art poëtique*
Babbitt, *New Laocoon.*
References: Fraser and Squair, *French Grammar.*
Oxford Book of French Verse.
Crouzet, *Histoire de la littérature française.*
Lanson, *Histoire de la littérature française.*

300 Grammar, conversation, dictation, translation, essays in French.

Prescribed for honors in Modern Languages and Romance Languages; optional for honors in English and History.

Prerequisite: course 200.

3 hours per week; 3 credits.

MISS BAYNES.

Text-books: Grandgent, *French Composition.*
Moliere, *Le malade imaginaire.*
" *Les Précieuses ridicules.*
" *Les Femmes savantes.*
" *Le Misanthrope.*
" *Tartuffe.*
Corneille, *Polyeucte.*
" *Cinna.*
Racine, *Phèdre.*
" *Athalie.*
References: Fraser and Squair, *French Grammar.*

Oxford Book of French Verse.
Crouzet, *Histoire de la littérature française*
Lanson, *ibid.*

400 Grammar, conversation, dictation, translation, essays in French. Prescribed for honors in Modern Languages and Romance Languages; optional for honors in English and History.

Prerequisite; course 300.

3 hours per week; 3 credits.

PROFESSOR LIVINGSTON.

Text books: Grandgent, *French Composition.*
Descartes, *Traité des passions.*
Chateaubriand, *René.*
Voltaire, *Contes.*
" *Traité sur la tolérance.*
Rousseau, *Le contrat social.*
Stendhal, *Le rouge et le noir.*
Hugo, *La légende des siècles.*
Sully-Prudhomme, *La justice, Le bonheur.*
Brownell, *French Traits.*
References: Fraser and Squair, *French Grammar.*
Oxford Book of French Verse.

Old French

301 Vowel change, Old French declension, recognition of verb forms. Prescribed for third year students in Modern Language and Romance Language honors.

Prerequisite: Latin 10, 20 or 100, 200; French 200.

1 hour per week; 1 credit.

PROFESSOR LIVINGSTON.

Text-book: *Chanson de Roland.*

401 Systematic view of Old French Grammar; lectures. Prescribed for fourth year students in Modern Language and Romance Language honors.

Prerequisite: 301.

1 hour per week; 1 credit.

PROFESSOR LIVINGSTON.

Text-book: *Aucassin et Nicolette.*

Italian

10 Grammar, pronunciation, conversation, memorization. Prescribed for first year students in Honor Modern Languages and Honor Romance Languages.

In 1918-1919 to be replaced, in required courses, by Spanish 10.

3 hours per week; 3 credits.

PROFESSOR LIVINGSTON.

Text-books: Phelps, *Italian Grammar.*
Oxford Book of Italian Verse.
Wilkins-Altrocchi, *Italian Short Stories.*
Dante, *Vita nuova.*

20 Grammar, conversation, memorization, composi-

tion. Prescribed, for honors in Modern Languages and Romance Languages.

Prerequisite: Italian 10.

3 hours per week; 3 credits.

PROFESSOR LIVINGSTON.

Text-books: Phelps, *Italian Grammar.*
Oxford Book of Italian Verse.
Dante, *Vita nuova.*
" *Commedia*
Pastonchi, *Le trasfigurazioni.*

30 Combined in 1918-1919 with Italian 20.

Prescribed for honors in Modern Languages and Romance Languages.

40 Prescribed for fourth year students in Modern Languages honor; not given in 1918-1919.

Extension Course

Ex 100 Contemporary Italian Literature; Fogazzaro, D'Annunzio, Carducci, Bracco, Butti, Di Giacomo, Pascoli, Croce, Negri, Pareto, Ferrero, Pascarella, Fucini, etc.

A knowledge of Italian is not necessary for pursuing this course. Readings in and on Italian literature in English or in Italian will be recommended, and, for students desiring credit in the University course, required.

1 hour per week; 1 credit.

Friday at 4.30 in the Public Library.

PROFESSOR LIVINGSTON.

Spanish

10 Elementary Course. Grammar, pronunciation, conversation. This course is conducted in Spanish. Prescribed for first year students in Modern Language and Romance Honors.

Prerequisite: Junior Matriculation.

3 hours per week; 3 credits.

PROFESSOR LIVINGSTON.

Text-books: Hills and Ford, *First Spanish Book.*
Bergé-Soler, *Spanish-American Reader.*
Alarcon, *El capitan Veneno.*

Extension Course

20 Advanced course (in continuation of extension course given in 1917-1918). Grammar, conversation, translation into Spanish, letter writing.

Reading: selected plays to be read in Spanish or in translation from Echegaray and Benavente: essays of Unamuno. Lectures on Menendezy Pelayo; historical es-

says on Spanish Literature; lectures on contemporary Spanish literature.

Prerequisite: Course 10 or the equivalent.

3 hours per week; 3 credits.

Tuesday and Thursday at 7.30 p.m., Public Library.

PROFESSOR LIVINGSTON.

Text-books: Olmsted, *Spanish Grammar*.
Wilkins, *Spanish Prose Book*.

STUDENT ORGANIZATIONS

THE ATHLETIC ASSOCIATION

The Executive of 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 the College of Arts and one from the Medical School, two students from the College of Arts, and two from the Medical School, and a secretary-treasurer, who is a member of the Faculty. Meetings are held every Monday during the academic year. The student representatives are elected by the votes of the students and are responsible to the students for the performance of their executive duties. This Executive grants colors, crests and letters, handles all athletic finances, and arranges and controls interfaculty contests in football, hockey, track, basketball and tennis. Games are arranged with other universities and outside clubs. The supervision of the gymnasium is also under the control of this executive.

Officers for 1917-18

Honorary President ..... DR. E. E. BRAITHWAITE
President ..... DR. J. W. CRANE
Vice-President ..... A. W. SMITH, Medicine '19
Secretary-Treasurer ..... DR. K. P. R. NEVILLE
Committee, MAJOR A. T. LITTLE, Board of Governors.
G. A. P. BRICKENDEN, Arts '18
E. I. LOUGHLIN, Medicine '20
A. S. FERGUSSON, Arts '20.

THE LITERARY SOCIETY

President ..... G. A. P. BRICKENDEN '18
Vice-President ..... MISS G. ROWNTREE '18
Secretary ..... MISS V. SWARTZ '20
Treasurer ..... A. S. FERGUSSON '20

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

January 1, 1915, permission was granted for the organization of a contingent of the Canadian Officers' Training Corps in connection with Western University, under the command of Major T. J. Murphy of the Board of Governors. Since that the work of the corps has attracted a large number of students and many have been able to qualify for lieutenant's commissions in the militia and a few for captain's. Fifty per cent. of the members who have been enrolled have gone overseas, No. 10 Stationary, Western University Hospital attracting more students than any other unit and taking with it the senior captain of the contingent, G. Mel. Brock of the Faculty of Arts.

The number of students to whom military work will appeal will probably be small next year as it has been for several seasons past because of the small number of men in the University; the citizens who have taken up the work of the corps have made the last season profitable. The corps is extremely fortunate in being in the headquarters city of Military District 1, where it can avail itself of the superb instruction offered to the regular infantry schools by Captain J. N. Cantin, Q.M.S.I. Thieme, Sergeants Walsh, Graham and Dace. In the past, the relationship with these instructors has been so cordial that they have gone out of their way to assist the corps at every turn. Besides the officers there are enrolled in the unit this year seventy men. The officers are: Major, T. J. Murphy; Captains, K. P. R. Neville and G. F. Copeland; Lieutenant, W. H. W. Shosenberg.

DEGREES CONFERRED

MASTER OF ARTS

Captain James Charles McWalter (ad eundem).
Rev. Archer Wallace.

BACHELOR OF ARTS

Edith Marion Appleyard.
Frank Hartley Curran.
Goldie Corlett Elgie.
Helen Roberta Harvey.
Star Floyd Maine.
Edwin Howard Stephenson
Ada Dorothy Turville.

DOCTOR OF MEDICINE

Elliott Nichol Ballantyne.
Frederick John Henry Campbell.
Wilmer Lloyd Denney.
Duncan D. Ferguson.
Hans Olding Foucar.
Leslie Melrose Jones.
Alvin James McKay.
Clarence John Archibald McKillop.
Robert Stanley Murray.
Frederick Harold Nelson.
John Alexander Renwick.
Offley Jackson Shore.
James McStay Young.

WINNERS OF AWARDS

Governor-General's Medal—Edith Marion Appleyard.
U. A. Buchner Gold Medal—Frank Hartley Curran.
Typographical Union Gold Medal—Mary McLean.
Canadian History Research Scholarship—Ada Dorothy Turville.
Alumnae Scholarship—Myrtle Martindale Rowntree
Board of Governor's Awards—
Second Year Honor Modern Languages—Marjorie Florence Dougall.
Second Year Honor Mathematics—Caroline Leger Vrooman.
First Year Honor Modern Languages—Dorothy Orea Walter.
First Year Honor Mathematics—Richard Clarence Guest.
Third Year General Proficiency—Constance Amelia Haskett.
Fourth Year Constitutional History Prize—Star Floyd Maine.
W. W. Tamblyn Prize for Public Speaking—Alexander Stanley Fergusson.

APPENDIX

THE MEDICAL SCHOOL

The thirty-seventh session of the Medical School of the Western University will begin on September 30, 1918.

Examinations for the removal of conditions will be given on September 28, and lectures will begin on October 1.

Work in Physiology, Pharmacology and Anatomy is 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 is 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 and Gynecology. Material for bedside teaching is also available at St. Joseph's Hospital, the Hospital for the Insane and the Alexandra Sanatorium. Unusual facilities for the teaching of Practical Obstetrics are afforded in the Salvation Army Maternity Hospital and in the Lying-in-Ward of Victoria Hospital.

A certificate of having passed the Junior Matriculation Examination conducted by the Education Department of Ontario is required for entrance into the Western University Medical School.

The course of study leading to the Degree of M.D. will lengthened by one year so as to include six years of work, beginning with the session of 1919-20.

For the session of 1918-19 the number of students entering on the work of the first year will be limited to twenty-five. Blanks to be used in application for registration, the Annual Announcement, or any other information concerning the Medical School may be obtained by addressing the Secretary of the Western University Medical School, or the Registrar of Western University, London, Ontario.

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 College of Arts, 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., can be conferred by the Western University only 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, Quebec.

INDEX

	Page
Admission	18
Advanced Standing	19
Athletic Association	93
Bachelor of Arts, 1917	94
Bachelor of Arts, General Course, Regulations	19
" " " " Requirements	32-34
" " Honor Courses, Regulations	23-25
" " " " Biology	39,40
" " " " Classics	40,41
" " " " English and History	41,42
" " " " Mathematics	42-44
" " " " Modern Languages	44,45
" " " " Physics	45,46
" " " " Political Science	46,47
" " " " Romance Languages	45
Bachelor of Arts, Special Courses, Regulations	21,22
" " " " Requirements	35-37
B. A., M. D. Course, Regulations	25,26
" " " Requirements	47,48
Biology, Description of Courses in	48-52
Calendar, University	4
Canadian Officers' Training Corps	93
Caps, Academic	13
Chemistry, Description of Courses in	52-54
Contents, Table of	3
Degrees	12
Doctors of Medicine, 1917	95
English, Description of Courses in	60-66
Extramural Course, Regulations	22,23
Extramural Course, Requirements	27-38
Extramural Students	19
Fees	29
French, Description of Courses in	88-91
Geology " " " "	66
German " " " "	66,67
Government " " " "	87
Gowns, Academic	12

Greek, Description of Courses in.....57-59
Hebrew, " " " " 68-69
History " " " " 69-74
Hoods, Academic 13
Huron College..... 97
Italian, Description of Courses in.....91,92
Latin " " " " 54-57
Law " " " " 86-88
Literary Society..... 93
Masters of Arts, 1917..... 94
Master of Arts Course, Regulations 26-28
Mathematics, Description of Courses in.....69-74
Medals, Scholarships, Prizes..... 28
Medals, Scholarships, Prizes, 1917, Winners of 95
Medical School 95,96
Military Training, Description of Courses in.....80-82
Officers of Administration, College of Arts..... 15
" " University..... 5,6
Officers of Instruction, College of Arts.....15,16
" " University..... 7-11
Officers, Other University..... 11
Philosophy, Description of Courses in.....79,80
Physical Training, Description of Courses in.....80-82
Physics, Description of Courses in.....82-85
Political Economy, Description of Courses in.....85,86
Public Health, Description of Courses in..... 88
Public Health, Institute of.....96,97
Spanish, Description of Courses in.....92,93
Special Students..... 18
Theological Options.....34,35
Timetable of General Course Classes.....30,31

10375