WESTERN UNIVERSITY

LONDON, CANADA

COLLEGE OF ARTS



Announcement 1919-1920

WESTERN UNIVERSITY

LONDON, CANADA

COLLEGE OF ARTS



Announcement 1919-1920

51012

TABLE OF CONTENTS

	Page
Calendar	4
Officers of Administration, University	5
Officers of Instruction, University	7
General Information	12
Officers of Administration, College of Arts	15
Officers of Instruction, College of Arts	15
General Regulations, College of Arts	17
Medals, Scholarships, Prizes	29
Fees	30
Requirements for Degrees	31
Regulations for Specialists' Certificates	49
Description of Courses	59
Time Table of General Course Classes	60, 61
Student Organizations	112
Degrees Conferred, 1918	113
Medals and Scholarships Awarded, 1918	114
Appendix	115
Index	118

UNIVERSITY CALENDAR

1919

September 15	Last day for receiving applications for removal of conditions.
September 23	Examinations for removal of conditions College of Arts begin.
September 26	Examinations for removal of conditions in the Medical School.
September 29, Monday	Registration day.
September 30	Lectures begin. Statutory meeting of the Committee on Academic Standing.
October 1	Last day for registration except on penalty of one dollar. Last day for first term fees.
October 8	Last day for registration except on penalty of two dollars.
October 13	Last day of registration for all except special students in the College of Arts.
Thanksgiving Day	Holiday.
December 23, 5 p.m.	Christmas vacation begins.

1920.

January 5, 8 a.m.	Lectures resume. Last day for submitting outline for M.A. Theses.
January 19	Examinations first term begin.
January 24	First term ends.
January 26	Second term begins.
January 31	Last day for payment of second term fees.
March 31, 5 p.m.	Easter vacation begins.
April 6	Lectures resumed Medical School.
April 8, 8 a.m.	Lectures resumed in College of Arts.
May 8	Lectures for the second term in the College of Arts close.
May 10	Examinations for the second term in the College of Arts begin.
May 12	Lectures for the second term in the Medical School close.
May 13	Examinations in the Medical School begin.
May 26	University Field Day.
May 27	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.

THE BOARD OF GOVERNORS

C. R. Somerville, Esq., Chairman
The Chancellor, *ex-officio*
The President, *ex-officio*

His Worship The Mayor
Sir Adam Beck, M.P.P.
Mr. J. H. Chapman
Mr. George S. Gibbons
Major Gordon Ingram
Major A. T. Little
Major T. J. Murphy
Lt.-Col. H. A. McCallum
Mr. Philip Pocock
Mr. T. H. Purdom, K.C.
Mr. A. W. White

REGISTRAR

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

BURSAR

William Waugh, M.D.

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 Robertson,	*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.*
Dr. J. W. Crane	*Faculty of the Medical School.*
Professor P. S. McKibben	*Faculty of the Medical School.*
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. F. Landon,	*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. B. ARCHER,	*Board of Governors.*
PRINCIPAL W. H. MOONEY,	*London Board of Education.*
REV. M. A. BRISSON,	*London Separate School Board.*
DR. F. R. ECCLES,	*City Council of London.*
DR. W. H. MOORHOUSE,	*City Council of London.*
PRINCIPAL J. DEARNESS,	*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 professorial position is given.)

EDWARD ERNEST BRAITHWAITE, *President.*

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 WELLINGTON CRANE *Professor of Pharmacology.*
871 Hellmuth Ave.

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

WILLIAM SHERWOOD FOX, *Professor of Classics.*
270 Regent St.

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

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 Medical School; Chief of the Department of Medicine. 1915

PAUL STILWELL 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 and Obstetrics. 1913

FREDERICK ROBERT 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.
190 Bridport 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

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 DUNCAN ROBERTSON, *Professor of Biology.*
911 Wellington St.

B. A., Toronto, 1910. 1915

ALBERT JOSIA 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 College, 1908; M. A., 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

IRVING HENRY BROWN,
Associate Professor of Romance Languages.
77 Cartwright St.
M. A., University of Wisconsin, 1912] 1918

JAMES B. CAMPBELL, *Associate Professor of Medicine.*
380 Dundas St.
M. A., Western, 1904; M. D., *ibid*, 1898. 1913

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

CLARENCE MOFFAT CRAWFORD,
Associate Professor of Psychiatry.
The Asylum.
B. A., Queen's; M. D., *ibid*. 1913

ROBERT 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

FREDERICK WINNETT LUNEY,
Associate Professor of Pathology.
Institute of Public Health.
M. D., Western, 1914; Chief of Division of Pathology in Institute of Public Health. 1917

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

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

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

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

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

ERNEST HERBERT YOUNG, *Associate Professor of Psychiatry.*
M. D., Toronto. The Asylum. 1913

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

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

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

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

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

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

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

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

FREDERICK JOHN HENRY CAMPBELL, *Lecturer in Anatomy.*
Medical School.
B. A., Western, 1912; M. D., *ibid*, 1917. 1917

JAMES ROY NELSON CHILDS, *Lecturer in Pathology.*
221 Queen's Ave.
M. D., Western, 1909. 1913

FRANK ROBERT CLEGG,
Lecturer in Gynecology and Obstetrics.
405 Dundas St.
M. D., Western, 1912. 1916

ARCHIBALD STUART DUNCAN, *Lecturer in Medicine.*
849 Dundas St.
M. D., Western, 1911.

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

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

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

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

BESSIE KATHARINE E. MOSSOP *Lecturer in Biology.*
644 Lorne Ave.
B. A. University of Toronto., 1916 1918

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

GEORGE WILLIAM ALEXANDER AITKEN,
Instructor in Pharmacology and Clinical Medicine.
99 Ridout St.
M. D., Western, 1914.

SAMUEL JAMES THOMAS 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 Egerton Brown, *Instructor in Clinical Medicine.*
442 Park Ave.
M. D., Western, 1909.

Evans G. Davis, *Instructor in Surgical Anatomy.*
140 Wortley Rd.
M. D., Western, 1906.

John Irwin Ferguson,
Instructor in Pediatrics and in Clinical Medicine
141 Wortley Rd.
M. D., Western, 1900.

Clara Gwendolyn Leadman,
Instructor in Athletics for Women.
Y. W. C. A., King St.

George Carleton Hale, *Instructor in Clinical Medicine.*
Hayman Court.
M. D., C. M., McGill.

Charles Augustus Harris, *Instructor in Clinical Medicine*
421 Dundas St.
M. D., Western, 1913.

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.*
1225 Dundas St.
M. D., Western, 1905.

G. Ennis 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.*
545 King St.
M. D., Western, 1904.

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

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

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

OTHER OFFICIALS.

Marjorie Ross, *Librarian.*
385 Dufferin Ave.
B. A., Toronto, 1916.

KATE ISABEL EASTMAN,	*Secretary to the President.*
JOHN DAVIS BARNETT,	*Curator Barnett Library.* Huron College.
DONA WALLER	*Assistant in Library.* Huron College.
WILLIAM JOHN HODDER,	*Assistant in Library.* 243 Pall Mall.

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

*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.

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.

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, M. A., 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

E. F. Barker, Ph.D.

OFFICERS OF INSTRUCTION

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 Duncan Robertson, B.A.,
Professor of Biology.

ALBERT J. SLACK, PH.C.,
Professor of Chemistry and Lecturer in Public Health.

WILLIAM FERGUSON TAMBLYN, B.A., PH.D.,
Professor of English Literature.

CHARLES CAMERON WALLER, M.A., D.D.,
Professor of Hebrew.

LOUIS AUBREY WOOD, M. A., B. D., PH.D.,
Professor of History and Political Economy.

IRVING BROWN, M.A.,
Associate Professor of Romance Languages.

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

FREDERICK LANDON, B.A.,
Lecturer in 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.

CLARA GWENDOLYN LEADMAN,
Instructor in Athletics for Women.

GENERAL REGULATIONS

ADMISSION

1. Candidates shall be admitted to the General Course in the College of Arts who present certificates of full 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 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 the subjects corresponding to their certificates except the laboratory courses in the sciences, but not more than 15 credits can be secured in this way.

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, Spanish, Experimental Science. Pass and Honor papers are set in each of these subjects.

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, with an average of sixty per cent. 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 XI.
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 XII.
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 credits 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 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 university for at least one year. For the details of this course see pages 36-38.

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 credits required for his degree and grade B on half the credits 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. A student who for two consecutive years has failed to obtain credit in half the work for which he has registered each year shall be dropped automatically from the University.

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. Provision must be made by the students to take such courses the year after failure no matter what subject or subjects must be postponed to make this possible.

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. For the Honor courses furnishing Academic qualifications for Specialists' certificates see page .....

Academic Standing.

24 (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 therefore 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.

Matriculation.

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

Courses.

26 (1). A candidate for a High School Assistant's certificate under the regulations prescribed herein may take either of the courses detailed below (pp. 34, 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. 35, 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.

Percentages.

27 (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.

Registrar's Certificates.

28. 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.

Complementary Courses.

29 (1). 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.

(2). 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.

(3). 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.

(4). 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.

Pure Extramural Courses.

30. 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.

Registration.

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

(2). Extramural students are subject to the same penalties for late registration as intramural students and cannot register at all after Oct. 13th.

Examinations.

32 (1). *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.

(2). *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:

(3). 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.

Fees.

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

(2). 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.

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

(4). 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.

(5). 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.

B.A. HONOR COURSES

34. Honor courses shall extend over five years' registered attendance from Pass Junior Matriculation or four years, if the candidate presents Honor Junior Matriculation in four subjects or the equivalent thereof, except in the case of those admitted under 39, 40. For courses qualifying for the non-professional Specialists' certificates of the Department of Education see pages 49-58.

35. Candidates presenting certificates of Honor Junior Matriculation or their equivalent in at least four 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 an average of at least third class honors (50%).

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. See page 51, Section 4 (2) (a).

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 fifty 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. Students of this University who have completed the First and Second Years of the General Course and who have obtained fifty 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 fifty per cent. of the marks in the First Year of the General Course and sixty-six per cent. of the marks in the Second Year, except the courses in Mathematics and the Sciences.

41. In the application of sections 34-40 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.

42. 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.

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

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

45. 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.

46. 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.

47. 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

Requirements for Admission.

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

Regulations.

49 (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 Course. Thereafter the student may enter on the work of the Third Year of the Medical curriculum.

THE M.A. COURSE

50. 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 51.

51. 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.

52. 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 51.

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

55. All candidates must be in registered attendance in the College of Arts of this Universtiy 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.

56. 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 55.

57. 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.

58. 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.

59. 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.

60. The candidates must register not later than October 13th and submit to the Faculty of the College of Arts, through the Registrar, an outline of the proposed thesis, not later than January 1.

61. If the subject proposed and the outline submitte

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.

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

63. 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 English and History.
Second Year Honor Romance Languages.
Second Year Honor English and History.
Second Year Honor Biology.
Second Year Honor Political Science.
First Year Honor English and History.
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 (Given by F. G. Jewell, Esq.)

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 merit, 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.
First Year Mathematics.
First Year Biology.
First Year Chemistry.

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;

Matriculation (for all Students on entering)	5.00
Tuition, full course, including examination	50.00
Tuition, each major, including examination	12.00
Tuition, each minor, including examination	6.00
Physical Training, each year	5.00
Literary Society, each year	1.00
Supplemental Examination, each paper, May or September	2.00
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 2. 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.

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*	*Credits*
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* credits 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
Latin 20	3	3
Physical Training 20 or 21 or 22	2	1

And any *twelve* credits form the following:		
History 20	3	3
Mathematics 20, 21, 22	4	4
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 30a, 30b	3	3
Philosophy 30	2	2
Philsoophy 31	1	1
And any *nine* credits 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

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

*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

Fourth Year

English 40, 41, 42	3	3
History 40a, 40b	3	3
History 42, 43	2	2
And any *nine* credits 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 44	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 Philosophy 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.

(See Page 21f.)

First Year

	Hours Per Week	*Credits*
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 30a, 30b	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 40a, 40b	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.

(See Page 21*f*.)

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	4	4
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 30a, 30b	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 10aS, 10bS (Physics 10) 3
Hebrew 10 3

Second Year

English 20S, 20E (Eng.20) 3
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 10 b) 3
*Physics 10aS, 10bS (Physics 10) 3
*Greek 10S, 10E (Greek 10) 3

Third Year

English 30S, 30E 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

Fourth Year

English 40, 41, 42	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 44	2
Pol. Economy 40	2
Philosophy 40	2
*French 30	3
*German 30	3
*Greek 30	3
*Latin 30	3
*Pol. Econ. 30	2
*Chemistry 10aS, 10bS (Chemistry 10)	3
*Geology 30aS, 30bS (Geology 30)	3

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

THE B.A. HONOR COURSES

Department of Biology.

Requirements for Admisstion:—Junior Pass Matriculation with the Science option and honors in four 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	2	2
Mathematics 22	1	1
Physical Training 10 or 11 or 12	2	1
Biology 100a, 100b	6	4
Chemistry 10 *Honor Standing required*	6	4
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 200a, 200b	9	6
Chemsitry 21, 22 *Honor standing required*	11	6
Physics 100	5	3

Third Year

French 35	1	1
German 35	1	1
Biology 300a, 300b	9	6
Biology 302b	6	2
Chemistry, Physiological, Fall Term	6	2
Geology 30, 40 *Honor standing required*	10	7

Fourth Year

French 45	1	1
German 45	1	1
Biology 400	2	2
Biology 401a, 401b	6	4
Biology 402a, 402b	6	4
Biology 404	6	4
Biology 405	6	4

Department of Classics.

Requirements for Admission.—Complete Pass Junior Matriculation with an average of at least third class Honors (50%) in Honor Matriculation Latin and Greek and at least 40% in Honor Matriculation English and any other one subject.

First Year

English 10	2	2
English 12	1	1
Mathematics 10	2	2
Mathematics 11	2	2

Biology 10a, 10b	6	4
French 10 or German 10 or Hebrew 10	3	3
Physical Training 10 or 11 or 12	2	1
Latin 100	4	4
Greek 100	4	4

Second Year

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

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

History 41a, b	3	3
Latin 400	7	7
Greek 400	7	7

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, Spanish.

Requirements for Admission:—Complete Pass Junior Matriculation with Honor Matriculation, at least third class (50%), in English and History and 40% in any two other subjects of Honor Matriculation.

First Year

Physical Training 10 or 11 or 12	2	1
Mathematics 10	2	2
Mathematics 11	2	2
Biology 10a, 10b	6	4
or Political Economy 20	2	2
or, of French 10, German 10, Greek 10, Hebrew 10, Latin 10 Spanish 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	4	4
Greek 100	4	4
Latin 100	4	4
Hebrew 100	4	4
Spanish 100	3	3

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, Spanish 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	4	4
Greek 200	5	5
Latin 200	5	5
Hebrew 200	4	4
Spanish 200	3	3

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, Spanish 30, the pass language elected in the preceding years	3	3
English 300	5	5
History 300 301, 302	4	4
Any one of:		
French 300	3	3
German 300	4	4
Greek 301	3	3
Latin 301	3	3
Hebrew 300	4	4
Spanish 300	3	3

Fourth Year

History 46	1	1
English 400, 401, 402, 403	8	8
History 400, 401, 404 405,	5	5
One of:		
French 400	3	3
German 400	4	4
Greek 401	3	3
Latin 401	3	3
Hebrew 400	3	3
Spanish 400	3	3

Department of Mathematics.

Requirements for Admission:—Complete Pass Junior Matriculation with Honor Matriculation in Physics and Mathematics with an average of 50% and 40% in any two other subjects of Honor Matriculation.

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	1½	1½
Mathematics 102	1½	1½
Mathematics 103	1	1
Mathematics 104	1	1

Second Year

English 20	2	2
English 22	1	1
Biology 10a, 10b	6	4
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	2	2
Mathematics 303	1	1
Mathematics 304	2	2

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	1½
Mathematics 401a	2	1
Mathematics 401b	2	1
Mathematics 402	1	1
Mathematics 403a	1	½

Department of Modern Languages.

Requirements for Admission:—Complete Pass Junior Matriculation with Honor Matriculation in four subjects, three of which shall be English, French and German, with an average in these of third class Honors (50%), and 40% in the other one.

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	4	4
Italian 100	3	3

Second Year

Latin 20	3	3
History 30a, 30b	3	3
Physical Training 20 or 21 or 22	2	1

English 200, 201, 202	4	4
French 200	3	3
German 200	4	4
Italian 200	3	3

Third Year

History 40a, 40b	3	3
Philosophy 31	1	1
French 300	3	3
French 301	1	1
German 300	4	4
And either:		
Italian 300 *or*	3	3
English 300, 301	6	6

Fourth Year

French 400	3	3
French 401	1	1
German 400	4	4
German 401	1	1
And either:		
English 400 *or*	8	8
Italian 400	3	3

Department of Romance Languages.

Requirements for Admission:—Complete Pass Junior Matriculation with Honor Matriculation in any four subjects other than the Sciences.

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 30a, 30b	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 40a, 40b	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:—Junior Matriculation with at least third class honor standing (50%) in Mathematics and Physics and 40% in any two other subjects of Honor Matriculation.

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,	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 40a, 40b	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, 402, or 203, 302, 304	3	3

Department of Political Science.

First Year

See Section 39, page 25.

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, 305, 306, 307	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 44	2	2
Political Economy 400, 401, 402	3	3
Political Economy 403, 404	2	2
History 400, 401	3	3
Government and Law 405, 406, 407, 408	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

English 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 40a, 40b	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

REGULATIONS FOR ACADEMIC STANDING FOR TEACHERS' CERTIFICATES

GENERAL

Agreements.

1 (1). Subject to regulations agreed upon from time to time between the Department of Education and the Western University, the Department accepts for the academic standing of candidates for teachers' certificates the degrees of the University.

(2). When, at any time, a new agreement has been entered into by the Department and the University, the preceding agreement shall remain in force with such amendments as to courses and examinations and such limitation as to its duration as may be agreed upon by the Department and the University; but claims which might have been made under the preceding agreement and which are not provided for in the amended agreement shall not thereafter be entertained.

Equivalents.

2 (1). Subject to the Regulations affecting the courses and examinations for academic standing for teachers' certificates under an agreement, the Department of Education may accept, in lieu of such courses and examinations, other courses and examinations which the University has reported to the Minister as equivalent to those in question and of which the Minister approved before the candidate undertook them.

(2). To be designated "equivalent" as used above, a course may vary in content from that prescribed by the Regulations in force, but equivalent courses shall be of the same denomination and the examinations thereon shall be of the same standard as those prescribed by the Regulations.

(3). The provisions in regard to the aforesaid equivalents apply not only to candidates who have taken the courses at the Western University, but to those candidates from other British Universities who have been admitted ad eundem statum or ad eundem gradum to the aforesaid University.

AGREEMENT OF 1919

Specialists' Certificates.

3 This agreement, entered into in 1919 between the

Department of Education and the Western University in regard to the academic standing of candidates for Specialists' certificates, provides as follows:—

(1). A candidate who in 1919 or thereafter begins his course for Specialist's academic standing as prescribed below under the agreement of 1919 may have his standing approved therefor by the Minister, provided he holds a degree and submits a certificate from the Registrar that he has complied with the requirements of the agreement of 1919 in regard to the courses and examinations as prescribed below for such standing, and provided he passes the professional examination for the Specialist's certificate within three years after graduation.

(2). A candidate, who having entered in 1919, obtains a degree, but who lacks part of the qualification for Specialist's academic standing, as provided under the agreement of 1919, may obtain full qualification therefor within three years after graduation by taking in addition the necessary subjects as prescribed under the agreement and by obtaining at the examination in said subjects the percentages prescribed therefor, provided that he passes the professional examination for the Specialist's certificate within three years after the completion of his academic course.

NOTE.—For an Interim Specialist's certificate a candidate shall obtain the academic standing prescribed herein and shall pass subsequently the professional examination as prescribed by the Department for said certificate. On application to the Deputy Minister of Education, an Interim certificate will be made Permanent on the report of the Inspector or Inspectors concerned that the holder thereof has taught successfully the subjects thereof for at least two years subsequent to its date of issue in one or more of the schools of the Provincial System.

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

Matriculation.

4 A candidate for admission in 1919 or thereafter to the First Year for Specialist's academic standing shall matriculate in accordance with one of the following schemes:

(1) (a) He shall obtain at the examination prescribed for Honor Junior Matriculation not less than 40% in each paper in the subjects which are named below in column II and in each of those which may be selected under column III, with an average of 50% in the subjects of column II.

(b) He shall pass the examination upon the courses in the other subjects as prescribed for Junior Matriculation.

Column I	*Column II*	*Column III*
Specialist Courses	**Subjects**	**Subjects**
Classics	Greek, Latin	Any two (Inc. Eng.)
English and History (Classics option)	Greek, Latin	Any two (Inc. Eng.)
English and History (Moderns option)	French and one of Eng., Ger., Hist.	Any two
Moderns and History	French and one of Eng., Ger., Hist.	Any two
Mathematics and Physics	Mathematics, Physics	Any two
Science	Two of Biology, Chemistry, Physics	Any two

NOTE—(1) The subjects for Honor Matriculation are Latin, Greek, Mathematics, English, History, French, German, Physics, Chemistry, and Biology.
(2) The subjects in column II above are obligatory for the Specialist course; those referred to in Column III are the other subjects of Honor Matriculation from which the candidate shall select the number prescribed in the column.
(3) In Classics, English and History, and Moderns and History, the subject of Mathematics, if selected as one of the two in Column III, includes only Algebra and Geometry. In Science the subject of Mathematics, if selected as one of the two in Column III includes Algebra, Geometry and Trigonometry.

(2) (a) He shall pass the examinations on the Pass courses prescribed for Junior Matriculation and he shall then complete the first year of the General course with not more than one star and with a standard of at least 40% in each subject and 60% of the aggregate marks in the work of that year with at least 66% of the aggregate marks in the work of the department to which he seeks admission.

(b) He shall then take up the Honor work of the first year in which he seeks Specialist's standing and in the prescribed subject or subjects of the General course of that year in which he has not already passed.

Courses and Percentages.

(5) A candidate for Specialist's academic standing, who enters in 1919 or thereafter, shall comply with the following Regulations in regard to the course he selects:

(1). He shall take up the course in which he desires Specialist's standing and shall pass the examinations on such course, as prescribed below.

(2). His course shall extend over at least five academic years from Pass Matriculation, as prescribed in 4 (2) above. All candidates shall attend the University classes in preparation for the prescribed standing for not less than two

complete academic years, one of which shall be the final year.

(3). A candidate admitted under 4 (1) above may omit the General Course subjects of the First Year of the Four Year's Honor Course, in which subjects he passed at the Honor Matriculation or an equivalent examination.

6. (1). A candidate for Specialist's academic standing in one of the departments, approved by the Department of Education, who enters in 1919 or thereafter shall obtain a degree in the course selected with at least 40% in each of the General Course subjects and at least 50% in each of the Honor subjects, with at least 66% in the Honor subjects of the Fourth Year. In addition to these requirements, he shall obtain as follows:

(2). For Specialist's academic standing in Moderns and History, at least 50% of the term and examination marks in the History of each year of the course.

Department of Classics.

First Year

	Hours Per Week	*Credits*
English 20	2	2
English 22	1	1
Mathematics 10	2	2
Mathematics 11	2	2
Biology 10a, 10b, or Physics 10, or Chemistry 10	5	3
French 10 or German 10	3	3
Physical Training 10 or 11 or 12	2	1
Latin 100	4	4
Greek 100	4	4

Second Year

English 30	3	3
French 20 or German 20	3	3
Physical Training 20 or 21 or 22	2	1
History 100	4	4
Latin 200	5	5
Greek 200	5	5

Third Year

English 40, 41, 42	3	3
History 31a, 31b	3	3

Philosophy 30a (the ancient philosophy portion of the course)	2	1
Latin 300	6	6
Greek 300	6	6

Fourth Year

History 41a, 41b	3	3
Latin 400	7	7
Greek 400	7	7

NOTE—In the Honor Latin and Greek courses—100, 200, 300, 400—an average of one hour a week is devoted to Ancient History.

Moderns and History.

First Year

Latin 10	3	3
Mathematics 10	2	2
Mathematics 11	2	2
Biology 10a, 10b, or Physics 10 or Chemistry 10	5	3
Physical Training 10 or 11 or 12	2	1
French 100	3	3
German 100 or Spanish 100	3	3
English 100	4	4

Second Year

Latin 20	3	3
Physical Training 20 or 21 or 22	2	1
French 200	3	3
German 200 or Spanish 200	3	3
English 200	4	4
History 200	3	3

Third Year

French 301	1	1
French 300	3	3
German 300 or Spanish 300	3	3
English 300, 301	6	6
History 300, 301, 302	4	4
Phonetics	1	1

Fourth Year

French 400	3	3
German 400 or Spanish 400	3	3
English 400, 401, 402, 403	8	8
History 400, 401, 404, 405	5	5

English and History.
(Classical Option)

First Year

Mathematics 10	2	2
Mathematics 11	2	2
French 10 or German 10 or Spanish 10	3	3
Physical Training 10 or 11 or 12	2	1
English 100	4	4
History 100	4	4
Greek 100	4	4
Latin 100	4	4

Second Year

Biology 10a, 10b, or Physics 10 or Chemistry 10	5	3
French 20 or German 20 or Spanish 20	3	3
Physical Training 20 or 21 or 22	2	1
English 200	4	4
History 200	3	3
Greek 200	5	5
Latin 200	5	5

Third Year

Philosophy 30a (the Ancient Philosophy part)	2	1
Political Economy 20	2	2
English 300, 301	6	6
History 300, 301, 302	4	4
Greek 301	3	3
Latin 301	3	3

Fourth Year

English 400, 401, 402, 403	8	8
History 45	1	1
History 400, 401, 404, 405	5	5
Either Latin 401	3	3
or Greek 401	3	3

English and History.
(Moderns Option)

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
History 100	4	4
French 100	3	3
German 100 or Spanish 100	3	3

Second Year

Biology 10a, 10b, or Chemistry 10 or Physics 10	5	3
Physical Training 20, or 21 or 22	2	1
English 200, 201, 202	4	4
History 200	3	3
French 200	3	3
German 200 or Spanish 200	3	3

Third Year

Political Economy 20	2	2
English 300, 301	6	6
History 300, 301, 302	4	4
French 300	3	3
German 300 or Spanish 300	3	3

Fourth Year

History 45	1	1
English 400, 401, 402, 403	8	8
History 400, 401, 404, 405	5½	5½
French 400 or German 400 or Spanish 400	3	3

Science.

First Year

Latin 10	3	3
English 10	2	2
English 12	1	1
French 10 or German 10	3	3
Mathematics 10, 21, 22	4	4
Physical Training 10 or 11 or 12	2	1
Biology 100a, 100b	6	4
Chemistry 100	5	3
Physics 100	5	3

Second Year

English 20	2	2
English 22	1	1

French 20 or German 20 (Authors only)	2	2
Mathematics 102, 104	3	3
Geology 20	1	1
Physical Training 20 or 21 or 22	2	1
Biology 200, 200a, 200b, 301a, 301b	7	4
Chemistry 200	5	3
Physics 101, 200	5	3

Third Year

History 31a, 31b	3	3
Geology 300	5	3
Biology 300a, 300b, 302a, 401a, 401b	9	6
Chemistry 300	5	3
Physics 302, 305	5	3

Fourth Year

History 41a, 41b	3	3
Mineralogy 400	5	3
Biology 302b, 400, 402, 403	8	5½
Chemistry 400	6	3
Physics 401 or 404	5 or 4	3 or 2

Mathematics and Physics.

First Year

	Hours per Week		
	Lecture	*Lab.*	*Credits.*
English 10, 12	3		3
Latin 10	3		3
French 10 or German 10 or Spanish 10	3		3
Physical Training 10 or 11 or 12	2		1
Physics 100, Electricity and Magnetism, Sound and Light. 101, Physical Measurements	2	6	4
Mathematics 100, Algebra	1		
101 Synthetic Plane and Solid Geometry	1½		
102 Analytical Plane Geometry	1½		
103 Trigonometry	1		
104 Elementary Differential and Integral Calculus	1		6

Second Year

English 20, 22	3		3
Biology 10a, 10b, or Chemistry 10	2	3	3
Physical Training 20 or 21 or 22	2		1

Physics 200, Elements of Mechanics	2		
201 Properties of Matter and Heat	2		
302, Electrical measurements		3	5
Mathematics 200, Algebra	2		
201, Analytical Plane Geometry	1		
202, Analytical Solid Geometry	1		
203, Spherical Trigonometry and Astronomy	1		
204, Differential and Integral Calculus	2		7

Third Year

Candidates will take either Group I or Group II.

Group I.

Biology 10a, 10b or Chemistry 10 (the one not previously elected) *or* Chemistry 200	1 or 2	4	3
History 31a, b Mediaeval and Renaissance	2		2
Physics 300, Advanced Mechanics	2		
303, Spectroscopy and Radiation		3	
304, Wave Motion and Oscillatory Phenomena	1		4
or, in alternate years Physics 400, 402.			
Mathematics 300, Modern Geometry, Synthetic and Analytic	1		
301, Higher Plane curves	1		
302, Solid Geometry	2		
303, Differential Equations	1		
304, Vector Algebra	1		6
or, in alternate years Mathematics 400a, b, 401a, b, 402,			

Group II.

Biology 10a, 10b or Chemistry 10 (the one not previously elected) or Chemistry 200	1 or 2	4	3
History 31a, b, Mediaeval and Renaissance	2		2
Physics 300, 303, 304, as above	3	3	
301, Advanced Optics, Geometrical and Physical	2		

302, Electron Theory of Matter and Electromagnetic Theory of Light	1		7
or, in alternate years Physics 400, 401, 402.			
Mathematics 304, 402, as above	2		2
or, in alternate years Mathematics 400b.			

Fourth Year

Candidates will take either Group *I* or Group *II*.

Group I.

History 41a, b, Modern	2		2
Physics 400 Theory of Potential	2		
402 Elementary Thermodynamics and Gas Theory	2		4
or, in alternate years Physics 300, 303, 304			
Mathematics 402 Quaternions	1		
400a Theory of Numbers	½		
400b Theory of Functions	2		
401ab, Hyperbolic Functions and Elliptic Integrals	2		6
403 Calculus of Finite Differences (optional)	½		
or, in alternate years Mathematics 300, 301, 302, 303, 304.			

Group II.

History 41a, b, Modern	2		2
Physics 400, as above	4		
402, 401 Electromagnetic Theory and Practice	2	3	6
or, in alternate years Physics 201, 300, 303, 304, 403.			
Physics 404 Theory of Electricity	1		
405 Seminar on Current Literature	1		
Mathematics 400b	2		2
or, in alternative years Mathematics 303, 304.			

DESCRIPTION OF COURSES

DEPARTMENT OF BIOLOGY.

Professor Robertson and Miss Mossop, assisted by Professors McKibben and Miller of the Faculty of the Medical School.

10a **Introductory Zoology** for General Course students; a course dealing with the general principles of Zoology.
2 lectures and 4 laboratory hours per week, 2 credits.
Prerequisite: Junior Matriculation.
Text-book: Hegner, *College Zoology*.

10b **Introductory Botany** for General Course students; a course dealing with the general principles of Botany.
2 lectures and 4 laboratory hours per week; 2 credits.
Prerequisite: Junior Matriculation.
Text-book: Bergen and Davis, *Principles of Botany*.

20a **Phanerogamic Botany** for General Course students; a course dealing with selected types of the Phanerogams.
2 lectures and 4 laboratory hours per week; 2 credits.
Prerequisite: Biology 10b.
Text-book: Coulter, Barnes and Cowles, *Text-book of Botany*.

20b **Vertebrate Zoology** for General Course students; a course dealing with selected types of the Vertebrates.
2 lectures and 4 laboratory hours per week; 2 credits.
Prerequisite: Biology 10a.
Text-books: Kingsley, *Comparative Anatomy*.
Pratt, *Vertebrate Zoology*.

30a **Invertebrate Zoology** for General Course students; a course dealing with selected types of the Invertebrates.
2 lectures and 4 laboratory hours per week; 2 credits.
Prerequisite: Biology 20b.
Text-books: Parker and Haswell, *Text-book of Zoology*, Vol. I.
Pratt, *Invertebrate Zoology*.

30b **Cryptogamic Botany** for General Course students; a course dealing with selected types of the Cryptogams.
2 lectures and 4 laboratory hours per week; 2 credits.
Prerequisite: Biology 20a.
Text-book: Coulter, Barnes and Cowles, *Text-book of Botany*.

40a **Canadian Botany** for General Course students; a course dealing with the classification, ecology and economic importance of Canadian plants.
2 lectures and 4 laboratory hours per week; 2 credits.
Prerequisite: Biology 30a.
Text-books: Robinson and Fernald, *Gray's New Manual of Botany*.

40b **Canadian Zoology** for General Course students;

TIME TABLE OF GENERAL

	9–10	10–11	11–12	12–1
Monday	Biol. 10 Math. 22 Biol. 200 Geol. 300 German 40 Latin, 30, 40	Biol. 10 Biol. 100 Biol. 200 Geol. 300 Eng. 40 Hist. 30, 31 Greek 10 Hist. 20	Biol. 10 Biol 100 Biol. 200 Geol. 300 Hebrew 30 Latin 20 French 40 Latin 10	French 20 Biol. 100 Hebrew 10 Italian 30 Spanish 30
Tuesday	Biol. 200 Biol. 201 Biol. 20 Geol. 300 Math. 10 German 30	Biol. 200 Biol. 201 Biol. 20 Geol. 300 Eng. 30 German 10 Pol. Econ. 20 Hist. 40, 41 Greek 20 Math. 20	Biol. 200 Biol. 201 Biol. 20 Geol. 300 English 10 French 30 Philosophy 20 Hebrew 40 History 42, 43	French 10 German 20 Hebrew 20
Wednesday	Biol. 200 Biol. 201 Geol. 300 German 40 Math. 21 History 20 Phys. 10 Latin 30, 40	Biol. 200 Biol. 201 Geol. 300 English 40 Greek 10 German 10 Philosophy 21 Phys. 10 Hist. 30, 31	Biol. 200 Biol. 201 Geol. 300 Latin 20 Hebrew 30 English 12 French 40 Phys. 10	 French 20 Hebrew 10 Italian 30 Spanish 30 Phys .10 French 10
Thursday	Biol. 300 Biol. 301a German 20 English 20 Math. 11	Biol. 300 Biol. 301a English 30 English 12 German 20 Greek 20 Math. 20 Hist. 40, 41	Biol. 300 Biol. 301a Latin 10 English 22 French 30 Hist. 44 Hebrew 40	Chapel
Friday	Biol. 300 German 40 Math. 10 Phys. 20 Latin 30, 40	Biol. 300 English 40 Greek 10 Phys. 10 History 20 Phil. 31	Biol. 300 Latin 20 English 10 French 40 Hebrew 30	French 20 German 10 Hebrew 10 Italian 30 Spanish 30
Saturday	Biol. 300 Biol. 301a Math. 11 German 30 English 20	Biol. 300 Biol. 301a English 30 Greek 20	Biol. 300 Biol. 301a Latin 10 French 30 Hebrew 40 History 42, 43	French 10 German 20 Hebrew 20

COURSE CLASSES.

	2–3	3–4	4–5	5–6
Monday	Biol. 20 Geol. 30 Chem. 10 Physics 30 Chem. 40 Italian 10 Spanish 10	Biol. 20 Geol. 30 Chem. 10 Physics 30 Chem. 40	Biol. 20 Geol. 30 Chem. 10 Physics 30 Chem. 40	Faculty Meeting 1st Monday each month
Tuesday	Biol. 302 Geol. 30 Chem. 30 Chem. 40 Italian 20 Spanish 20 Physics 20	Biol. 302 Geol. 30 Chem. 30 Chem. 40 Physics 20	Biol. 302 Geol. 30 Phys. Train. 10, Chem. 40 20 Physics 20 Physics 20	Phys. Train. 10 20, 12, 22 Phil. 40
Wednesday	Biol. 302 Biol. 30 Chem. 20 Italian 10 Spanish 10	Biol. 302 Biol. 30 Chem. 20 Pol. Econ. 30 40	Biol. 302 Biol. 30 Chem. 20	P. H. and B. 10 Phil. 30
Thursday	Biol. 30 Hebrew 20 Chem. 30 Chem. 10 Italian 20 Spanish 20	Biol. 30 Chem. 30 Chem. 10 Pol. Econ. 20	Biol. 30 Phys. Train. 10, Chem. 30 20	Phys. Train. 10, 20, 12, 22 Phil. 40
Friday	Biol. 10 Chem. 20 Italian 10 Spanish 10	Biol. 10 Chem. 20 Italian 20 Spanish 20 Pol. Econ. 30, 40	Biol. 10 Chem. 20	Phil. 30
Saturday				

a course dealing with the classification, ecology and economic importance of Canadian animals.

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

Prerequisite: Biology 30b.

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

41a **Botanical Collection** for General Course students; before entering on course 40a students shall make a collection twenty-five Phanerogams and twenty-five Cryptogams.

41b **Zoological Collection** for General Course students; before entering on course 40b students shall make a collection of at least twenty-five Vertebrates and twenty-five Invertebrates.

For further particulars concerning courses 41a and 41b consult the Head of the Department.

Honor Courses

100a **Elementary Zoology** for Honor Biology, Honor Science and B.A., M.D., students; a 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 Biology, the Honor Science or the B.A., M.D., course.

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

100b **Elementary Botany** for Honor Biology, Honor Science and B.A., M. D. students; a 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.

Prerequisites: full entrance requirements for the Honor Biology, the Honor Science or the B.A., M.D. course.

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

200a **Phanerogamic Botany** for students in the Honor Biology Course; a course dealing with the Phanerogams, special attention paid to their structure and evolution.

3 lectures and 6 laboratory hours per week; 3 credits.

Prerequisite: Biology 100b.

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

201a **Shorter Course in Phanerogamic Botany** for Honor Science students; a course similar to 200a with same prerequisite and text-book.

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

200b **Vertebrate Zoology** for students in the Honor

Biology and the B.A., M.D. courses; a course dealing with the structure and evolution of the Vertebrates.

3 lectures and 6 laboratory hours per week; 3 credits.

Prerequisite: Biology 100a.

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

201b **Shorter Course in Vertebrate Zoology** for students in the Honor Science Course; a course similar to Biology 200b with the same prerequisites and text-books.

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

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

3 lectures and 6 laboratory hours per week; 3 credits.

Prerequisites: Biology 200b.

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

301a **Shorter Course in Invertebrate Zoology** for students in the Honor Science and B.A., M.D. courses, similar to course 300a and with the same text-books.

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

Prerequisite: Biology 201b.

300b **Cryptogamic Botany** for students in Honor Biology; a course dealing the structure and evolution of the Cryptogams.

3 lectures and 6 laboratory hours per week; 3 credits.

Prerequisite: Biology 200a.

Text-books: Coulter, Barnes and Cowles, *Text-book of Botany.*
Strasburger, *Lehrbuch der Botanik.*

301b **Shorter Course in Cryptogamic Botany** for students in Honor Science; similar to course 300b and with the same text-books.

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

Prerequisite: 201a.

302b **Canadian Vertebrate Zoology** for Honor Biology students; a course dealing with the classification, ecology and economic importance of Canadian Vertebrates.

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

Prerequisite: Biology 200b.

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

303 **Vertebrate Collection** for students in Honor Biology; before entering on course 302b students shall make a collection of at least fifty vertebrates. Particulars on application to Head of Department.

304a **Shorter Course in Histology** for Honor Science students; a course dealing with the histology of animals.

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

Prerequisite: Biology 200b.

Text-book:

305a **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.

305b **Vertebrate Embryology;** study of chick and pig material, gross and in serial sections.

9 hours per week for 8 weeks, second term.

Prerequisite: Biology 305a.

400 **History and Theory of Biology** for students in the Honor or General Courses; dealing with the history, theory and problens of Biology.

2 lectures per week; 2 credits.

Prerequisites: Biology 30a and 30b or 300a and 300b.

Text-books: Locy, *Biology and Its Makers.*
Conklin, *Heredity and Environment.*
Kellogg, *Darwinism To-day.*

400a **Shorter Course in the History and Theory of Biology** for students in Honor Science; similar to course 400 but extending only over half the year.

2 lectures per week; 1 credit.

Prerequisites: Biology 301a and 301b.

Text-books: As for Biology 400.

401a **Plant Physiology** for students in the Honor Biology and Honor Science Courses; a course dealing with the physiology of plants.

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

Prerequisite: Biology 300b, or Biology 301b.

Text-book:

401b **Animal Physiology** for students in the Honor Biology Course; dealing with the physiology of animals.

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

Prerequisites: Biology 300a.

Text-book:

402b **Shorter Course in Animal Physiology** for students in Honor Science; a course dealing with the Physiology of animals similar to Biology 401b.

1 lecture and 3 laboratory hours per week. 1 credit

Prerequisites: Biology 302b.

Text-book:

402a **Canadian Invertebrate Zoology** for Honor Biology students; a course dealing with the classification, ecology and economic importance of Canadian Invertebrates.

2 lectures and 4 laboratory hours per week; 2 credits.
Prerequisites: Biology 300a.
Text-book:

402b2 **Canadian Phanerogamic and Cryptogamic Botany** for Honor Biology students; a course dealing with the classification, ecology and economic importance of Canadian Phanerogams and Cryptogams.

2 lectures and 4 laboratory hours per week; 2 credits.
Prerequisites: Biology 300b.
Text-book:

403a **Invertebrate Collection** for students in Honor Biology; before entering on Biology 402a students shall make a collection of at least fifty Invertebrates. Consult the Head of the Department for further particulars.

403b **Botanical Collections** for students in Honor Biology; before entering on Biology 402b students shall make collections of at least fifty Phanerogams and fifty Cryptogams. Consult the head of the Department for further particulars.

404 **Histology** for Honor Biology students; a course dealing with the Histology of Animals.

2 lectures and 4 laboratory hours per week; 4 credits.
Prerequisites: Biology 300a.
Text-book:

405 **Embryology** for Honor Biology students; a course dealing with Animal Embryology.

2 lectures and 4 laboratory hours per week; 4 credits.
Prerequisite: Biology 300a.
Text-book:

405a **Shorter Course in Embryology** for Honor Science students; a course similar to Biology 405.

1 lecture and 3 laboratory per week; 1 credit.
Prerequisite: Biology 302a.
Text-book:

406 **Animal Physiology** for B.A., M.D., 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 300a.

DEPARTMENT OF CHEMISTRY

PROFESSOR SLACK, MR. BEST AND MR. G. E. SMITH, assisted by Professor Crane, of the Faculty of the Medical School.

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 of 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.*

Honor Courses

100 **Inorganic Chemistry;** an advanced course of experimental lectures in General Chemistry with a laboratory

course on General Chemistry and Qualitative Analysis. Given in 1919-20.

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

Prerequisites: Chemistry 10 or Honor Matriculation or Faculty Entrance Chemistry.

PROFESSOR SLACK, MR. BEST AND MR. SMITH.

200 **Elementary Physical Chemistry**; laboratory course in Quantitative Analysis during first term; Physico-chemical and electro-chemical measurements, etc., during second term. Not given till 1920-21.

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

Prerequisite: Chemistry 100.

PROFESSOR SLACK AND ASSISTANT.

300 **Organic Chemistry**; the hydrocarbons and their derivatives and the carbolhydrates, etc.; laboratory course upon organic preparations, identifications, etc. Not given till 1921-22.

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

Prerequisite: Chemistry 200.

PROFESSOR SLACK AND ASSISTANTS.

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

3 lectures and 8 laboratory hours per week; first term; 3credits.

Prerequisites: Biology 200 and 200b, Chemistry 10, 21, 22.

PROFESSOR CRANE.

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

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 and Bacon, Boston: Allen and Greenough, Ginn and Company, New York: Gildersleeve and Lodge, Heath and Co., Boston; 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, *Pro Lege Manilia;* Virgil, *Aeneid X,* 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).
E. A. Upcott, *Cicero, Catilinarian Orations* (Oxford).
A. E. Haigh, *Virgil, Aeneid X-XII* (Oxford).
T. E. Page, *Horace, Odes* (Macmillan Elementary Classics).
B. L. D'Ooge, *Latin Composition based upon Caesar and Cicero* (Ginn).

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 and Bacon).
M. Cartwright, *Ovid, Metamorphoses III* (Oxford).
A Selection of Latin Verse (Yale).
Gildersleeve and Lodge, *Latin Composition* (Heath).

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

PROFESSORS FOX AND NEVILLE.

Texts: A. C. B. Brown, *Selections from the Latin Literature of the Early Empire* (Oxford).
Gildersleeve and Lodge, *Latin Composition* (Heath).

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 1921-22).

3 hours per week; 3 credits.
Prerequisite, Latin 20.

PROFESSORS FOX AND NEVILLE.

Texts: E. A. Sonnenschien, *T. Macci Plavti Rudens* (Oxford).
E. H. Sturtevant, *P. Terenti Afri Andria* (American).
F. P. Simpson, *Select Poems of Catullus* (Macmillan).

E. W. Bowen, *Cicero's De Amicitia* (Heath).
E. W. Bowen, *Cicero's De Senectute* (Heath).
Gildersleeve and Lodge, *Latin Composition* (Heath).

40 Cicero, *Letters;* Pliny, *Letters;* Tacitus, *Annals I;* Sallust, *Bellum Catilinae;* 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.

PROFESSORS FOX AND NEVILLE.

Texts: J. W. Scudder, *Sallusti Catilina* (Allyn and Bacon).
W. F. Allen, *Tacitus, Annals* 1-6 (Ginn).
C. S. Jerram, *Virgil, Bucolics and Georgics* (Oxford).
Gildersleeve and Lodge, *Latin Composition* (Heath).

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; 4 credits

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

PROFESSOR FOX.

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

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.

5 hours per week; 5 credits.

Prerequisite: Latin 100.

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

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.

6 hours per week; 6 credits.

Prerequisite: Latin 200.

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

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. 41).

3 hours per week; 3 credits.
Prerequisite: Latin 200.

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

400 Sallust, *Bellum Catilinae;* 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; 7 credits.
Prerequisite: Latin 300.

Texts: J. W. Scudder, *Sallust's Catiline* (Allyn and Bacon).
W. F. Allen, *Tacitus, Annals I-VI* (Ginn).
H. T. Peck, *Suetonius* (Henry Holt).
H. A. Holden, *Cicero, De Officiis* (Cambridge).
F. E. Rockwood, *Cicero, Tusculan Disputations I* (Ginn).
C. S. Jerram, *Virgil, Bucolics and Georgics* (Oxfo).
T. E. Page, *Virgil, The Aeneid VII-XII* (Macmillan).
J. H. W. Lee, *Lucretius, De Rerum Natura I-III* (Macmillan).
W. D. Lowe, *Lucretius, De Rerum Natura V,* (Oxford).

401 Caesar, *Bellum Civile* and selections from *De Bello Gallico;* Cornelius Nepos; Sallust, *Bellum Catilinae;* 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; 3 credits.
Prerequisite: Latin 301.

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

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; 3 credits.

Prerequisite: Junior Matriculation Greek.

PROFESSOR FOX.

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

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).
C. E. Graves, *Thucydides IV* (Macmillan).
A. F. Butler, *Herodotus VII* (Macmillan).
A. Sidgwick, *Greek Prose Composition* (Ginn).

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 1920-21.

3 hours per week; 3 credits.

Prerequisite: Greek 20.

PROFESSOR FOX.

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

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.

PROFESSOR FOX

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

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).

Honor Courses

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

4 hours per week; 4 credits.

Prerequisite: Greek 10 (66%), or Honor Matriculation or Faculty Entrance Greek.

PROFESSOR FOX.

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

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.

5 hours per week; 5 credits.

Prerequisite: Greek 100.

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

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.

6 hours per week: 6 credits.

Prerequisite: Greek 200.

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

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. 41).

3 hours per week; 3 credits.

Prerequisite: Greek 20.

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

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; 7 credits.

Prerequisite: Greek 300.

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

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; 3 credits.

Prerequisite: Greek 301.

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

DEPARTMENT OF ENGLISH

Professor Tamblyn, Mr. .... and Miss Newbury.

10. Literature.

Ben Johnson, *To the Memory of Shakespeare.*
Milton, *L'Allegro, Il Penseroso, Epitaph on Shakespeare, Lycidas.*
Marvell, *Horatian Ode.*
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.*
Scott, *The Heart of Midlothian.*
Byron, *The Vision of Judgment.*
Keats, *The Eve of St. Agnes.*
Thackeray, *Henry Esmond.*
Tennyson, *In Memoriam; Proem, I,* 11, 27, 31, 32, 53, 54, 76, 94, 105, 117, 129.
Browning, *Fra Lippo Lippi, Caliban.*
Arnold, *The Scholar Gipsy.*
Cowper, Selections.
Carlyle, Selections.
Thackeray, Selections.
Stevenson, Selections.

This course is prescribed for students of the General Course in the first year.

2 hours per week; 2 credits.

Professor Tamblyn.

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

11. Public Speaking; instruction in 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.

Text-book: Winans, *Public Speaking.* (Century)

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

1 hour per week; 1 credit.

20. Shakespeare: *Romeo and Juliet; Henry IV, parts I*

and II; Hamlet, Twelfth Night. Selections from Bacon, Swift, Addison, Johnson; selections from Boswell's *Life of Johnson.* Prescribed for all students in the second year of the General Course.

2 hours per week; 2 credits.

PROFESSOR TAMBLYN

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

22. Rhetoric and Composition; fortnightly themes in class and at least four longer 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 Tintern Abbey, Resolution and Independence, To my Sister, Expostulation and Reply, The Tables Turned,* "*She dwelt, etc.,*" "*Three years she grew,*" "*A slumber, etc.,*" *At the Grave of Burns, The Solitary Reaper, Stepping Westward, Intimations of Immortality, To the Cuckoo,* "*She was a phantom of delight,*" "*I wandered lonely as a Cloud,*" *Ode to Duty, To a Skylark* (Ethereal minstrel), *Elegiac Stanzas, French Revolution, 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 on the mountain*), *Jock of Hazeldean, Pibroch of Donald Dhu,* "*The sun upon the Weirdlaw Hill,*" *Proud Maisie, County Guy.*

Byron, *Sennacherib,* "*She walks in beauty,*" *Childe Harold, Canto III; Don Juan: Dedication, Canto I,* stanzas 212, 218; *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. Agnes, "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.*

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.*

Arnold, *The Strayed Reveller, The Scholar Gipsy, Morality, Thyrsis, Dover Beach.*

(b) Prose Writers:

Lamb, *Essays.*
Hazlitt, *On Familiar Style.*
Hunt, *Thoughts on Sleep.*
Bagehot, *Essays on Shelley; Shakespeare; Wordsworth, Tennyson and Browning.*
Arnold, *The French Play in London.*
Dickens, *David Copperfield.*

Essays will be required during the session on 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* (Sanborn). *Selected English Essays* (Oxford).

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

The Oxford Book of Victorian Verse; Nos. 170, 175, 198, 205, 206, 213, 214, 230, 241, 244, 245, 270, 274-5, 277, 290, 294, 304, 322, 324-7, 329, 399-401, 405, 426, 433-4, 455, 481, 493-4, 499, 508, 526, 544-9, 583-4, 601-2, 616, 619, 643-5, 662-3, 666, 670, 674-9, 706-7, 709, 723, 726-7, 730, 738-9, 745-7, 751, 753-65, 770, 771,776-9.

(These include selections from Browning, Rossetti, Meredith, Arnold, Morris, Stevenson, F. Thompson, etc.)

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 and Stewart), selections.
The Victorian Age in Literature (G. K. Chesterton).

An **Essay** will be required from each student during the sessied on some subject connected with the above course. Prescribed for all students in the fourth year of the General Course and of the Honor Courses in English and History and Modern Languages.

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.*
J. Burroughs, *In the Catskills* (ed. C. Johnson).
A. C. Bradle, *Poetry for Poetry's Sake.*
G. L. Dickinson *Greek Tragedy.*
H. G. Wells, *Tono-Bungay.*
Prescribed in the General Course and in English Honors.
1 hour per week; 1 credit.

PROFESSOR TAMBLYN.

42 **A short study of the period culminating in Chaucer**; a special 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 Passus I-IV.
Gummere, *Ballads.*
Perle, Gawain and the Green Knight.
Chaucer, *Balades, Former Age, Parlement 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, Petrarch, etc.. Prescribed for fourth year students in the General Course, for Honor students in the third year.

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.

Honor Courses

100 Besides all the work prescribed for the General Course in English 20 and 12 this course will include a study of:

Ben Jonson, *To the Memory of Shakespeare.*
Milton, *L'Allegro, Il Penseroso, Epitaph on Shakespeare, Lycidas.*
Gray, *Progress of Poesy.*
Burns, *Tam o' Shanter, Address to the Deil.*
Coleridge, *Christabel, Kubla Khan, To a Gentleman.*
Tennyson, *In Memoriam; Proem*, Nos., 1, 9, 10, 11, 15, 18, 19, 21, 23, 27, 30-33, 36, 37, 43-46, 48, 52-57, 60, 63, 68, 71-77, 81, 82, 84-88, 90-94, 96, 100-102, 104-106, 110, 112-114, 117, 121-123, 126-130, Epilogue.

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.

Professor Tamblyn.

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

200 A study of the following texts:

Spenser, *Faerie Queene II.*
Donne, *Second Anniversary.*
Pope, *Rape of the Lock.*
Gray, *Elegy.*
Selections from Cowper, Burns and Blake.
Steele, *Essays.*
Johnson, *Preface to Shakespeare, Life of Savage.*
Jane Austen, *Pride and Prejudice.*
Scott, *Old Mortality.*
Thackeray, *Henry Esmond.*

Prescribed with 201 and 202 for second year students in the Honor English and History Course.
2 hours a week; 2 credits.

Texts: *The English Parnassus.*
Selected English Essays.

201 **Anglo-Saxon** and the **History of the English Language.**
1 hour per week; 1 credit.
Prerequisite: English 100.

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

202 **Composition:**—See English 22.
1 hour a week; 1 credit.

300 The subjects of courses 30 and 42 in the General Course: an extra hour in Chaucer will be given to the Honor students throughout the year. Prescribed with 301 for third year students in the Honor English and History and Honor Modern Languages courses.
5 hours per week; 5 credits.
Prerequisites: English 200, 201, 202.

301 **Anglo-Saxon and Historical English Grammar;** a critical study of *Beowulf*, ll, 1250-1650; a general knowledge of the remainder of the poem will be expected, which may be gained from the translation of Hall, Earl, Garnett or Child.

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

400 The subjects of 40 and 41 in the General Course. Prescribed with 401, 402, 403 for fourth year students in the Honor English and History courses.
2 hours per week; 2 credits.
Prerequisites; English 300, 301.

401 **The Elizabethan Drama;** a critical study of:
Shakespeare, *Midsummer Night's Dream, King John, King Lear, Coriolanus.*

A careful reading of:
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, Othello, Antony and Cleopatra.*
2 hours per week; 2 credits.

402 **Elizabethan and Caroline Literature.**

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); Milton, *Ode on the Nativity, Comus, Arcades, Samson Agonistes, Paradise Lost, Books I, II, IV;* Hakluyt, *Voyages of Gilbert and Drake;* Browne, *Religio Medici;* selections from Holland and North.

2 hours per week; 2 credits.

403 **Nineteenth Century Prose.** Lectures, critical reading and discussion of:

Roe and Elliott, *English Prose* (Longmans).
Wordsworth, *Preface to the Lyrical Ballads*
Preface to the Edition of 1815.
Coleridge, *Biographia Literaria,* chaps. 4, 14, 15, 17-22.
Carlyle, *Sartor Resartus, Biography.*
M. Arnold, *Culture and Anarchy, Study of Poetry, Democracy.*

2 hours per week: 2 credits.

DEPARTMENT OF GEOLOGY

Mr. .....

300 **Historical and Structural Geology.**

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

Texts: Chamberlain and Salisbury, *College Geology.*

400 **Mineralogy,** including 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: 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) pp. 1-100.
Freitag, *Soll und Haben* (Heath).

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.

Honor Courses

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: Stern, *Geschichten von deutschen Städten* (p. 88 to end)
Freitag, *Die Journalisten*.

200 Grammar, conversation, translation from English

to German; outlines of the history of German literature, in 1500-1740.

4 hours per week; 4 credits.
Prerequisite: German 100.

Texts: Schiller, *Wilhelm Tell.*
Hatfield, *German Lyrics and 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.*
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).

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).

30a **Mediaeval History**; the earlier centuries; period of study, 476-1024 A.D.
3 hours per week, first term; 1½ credits.

Professor Wood.

Text-books: S. R. Gardiner, *Student's History of England*, Vol. I.
English History Source Books (Bell). *The Welding of the Race*, 449-1066.
J. H. Robinson, *The Middle Period of European History*.
J. H. Robinson, *Readings in European History*, Vol. I.

References: Charles Oman, *England before the Norman Conquest*.
C. R. L. Fletcher, *The Making of Western Europe*.
E. A. Freeman, *Western Europe in the Fifth Century*.
Lewis Sergeant, *The Franks*.
Gilbert Stone, *England from the Earliest Times to the Great Charter*.
J. R. M. Macdonald, *A History of France*, Vol. I.
Previte Orton, *Outlines of Mediaeval History*.
D. C. Munro, *Laws of Charles the Great*.
Einhard, Life of Charlemange.
B. A. Lees, *Life of Alfred*.
L. M. Larson, *Canute the Great*.
C. C. Mierow, *The Gothic History of Jordanes*.
St. Gregory, *History of the Franks*.
Charles Oman, *The Dark Ages*.
Cambridge Mediaeval History, Vol. I.

30b **Mediaeval History**; period of study 1024-1250 A.D. Essays will be required as term work.
3 hours per week, second term; 1½ credits.
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, 1450-1603. Essays will be required as term work. Not given in 1919-20.

2 hours per week, second term; 1 credit.

Prerequisite: History 30b.

PROFESSOR WOOD.

Text-pooks: 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 1919-20).

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 and 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.

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

44 **The Political, Constitutional and Diplomatic History** of the United States. This course will include a survey of the colonial governments, the constitution, the political history of the United States and diplomatic relations with other countries, particularly with Great Britain and Canada. Optional for students of the fourth year in the General Course.
Prerequisite: History 30a, 30b.
2 hours per week; 2 credits.

Mr. Landon.

Text-books: Farrand, *Development of the United States.*
Fish, *American Diplomacy.*
Thorpe, *Short Constitutional History of the United States.*
References: Bryce, *The American Commonwealth.*
Smith, *The United States, a Political History.*

Macdonald, *Documentary Source Book of American History.*
Macdonald, *Select Documents of United States History.*
Rhodes, *History of the United States* 1850-1870.
Cambridge Modern History, Vol. VII.
Bassett, *Short History of the United States.*
Foster, *Century of American Diplomacy.*
Beard, *Contemporary American History.*
Ogg, *National Progress* 1907-1917.

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 and Leigh, *History of Rome.*
Botsford, *History of Rome.*
Breasted, *History of Ancient Times.*

200a **Mediaeval History,** 476-1024. 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 and McNeal, *Source Book for Mediaeval History.*
Green, *Shorter History of the English People.*

Gardiner, *History of England.*
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.*
Monro and Sellery, *Mediaeval Civilization.*

200b **Renaissance and Reformation History.** Period of Study 1450-1603. Lectures prescribed reading; essays will be required as term work from all 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 Englsih 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.** 1713-1815. Lectures, assigned reading; essays will be required as term work from all students in this course.
3 hours a week first term; 1½ credits.
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.

301 **Canada from 1840 to 1867.** A study of the political, social and economic life of the country during the

period from the coming of Lord Durham to the Confederation conferences.

1 hour per week; 1 credit.

Prerequisite: History 200a, 200b.

MR. LANDON.

References: *Canada and its Provinces, Vol.* 5.
Wallace, *The Family Compact.*
DeCelles, *The Patriotes of* 1837.
MacMechan, *Winning of Popular Government.*
Dent, *The Last Forty Years.*
Bourinot, *Lord Elgin.*
Leacock, *Baldwin, Lafontaine and Hincks.*

400 **Historical Philosophy and Historical Methods.** Lectures and readings.

1 hour per week; 1 credit.

Prerequisite: History 300a, 300b, 301.

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 and Seignobos, *Introduction to the Study of History.*

401 **Canada since Confederation.**

1 hour per week; 1 credit.

Prerequisite: History 300a, 300b, 301.

MR. LANDON.

References: *Canada and its Provinces* (Selected portions).
Pope, *The Day of Macdonald.*
Skelton, *The Day of Laurier.*
Willison, *Sir Wilfrid Laurier and the Liberal Party.*
Bryce, *Short History of the Canadian People.*

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; variation; 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* (Copp Clark).

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).

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).

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* (Geo. Bell).

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.

1 hour per week; 1 credit.

Prerequisite: Mathematics 10 and 11.

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

Honor Courses

100 **Algebra.**

1 hour per week; 1 credit.

Prerequisites: Honor Matriculation in Mathematics, or, Mathematics 10, 11, 20, 21, 22.

Text: Hall and Knight, *Higher Algebra*, pp. 187-340.
References: C. Smith, *Treatise on Algebra* (Macmillan).
Chrystal, *Algebra* (Macmillan).

101 **Synthetic Plane and Solid Geometry.**

1½ hours per week; 1½ credits.

Prerequisites: As for Mathematics 100.

Texts: Dupius, *Elementary Synthetic Geometry* (Macmillan).
Synthetic Solid Geometry (Macmillan).

102 **Analytical Plane Geometry.**

1½ hours per week; 1½ credits.

Prerequisites: As for Mathematics 100.

Text: C. Smith, *Conic Sections* (Macmillan).
References: Grace and Rosenberg, *Co-ordinate Geometry*.
Loney, *Co-ordinate Geometry* (Macmillan).

103 **Trigonometry.**

1 hour per week; 1 credit.

Prerequisite: As for Mathematics 100.

Texts: Lock, *Higher Trigonometry* (Macmillan).
Hobson, *Plane Trigonometry* (Cambridge).

104 **Elementary Differential and Integral Calculus.**

1 hour per week; 1 credit.

Prerequisite: As for Mathematics 100.

Text: Granville, *Differential and Integral Calculus* (Ginn).

200 **Algebra.**
2 hours per week; 2 credits.
Prerequisite: Mathematics 100.

Texts: Hall and Knight, *Higher Algebra* (Macmillan).
L. G. Weld, *Theory of Determinants* (Macmillan).
Burnside and Panton, *Theory of Equations, vol. I.* (Dublin Uni. Press).

201 **Analytical Plane Geometry.**

1 hour per week; 1 credit.
Prerequisite: Mathematics 102.

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

202 **Analytical Solid Geometry.**

1 hour per week; 1 credit.
Prerequisites: Mathematics 100-104 inclusive.

Text-book: C. Smith, *Solid Geometry* (Macmillan)

203 **Spherical Trigonometry and Astronomy.**

1 hour per week; 1 credit.
Prerequisites: Mathematics 100-104 inclusive.

Text-book: Dupuis and Matheson, *Spherical Trigonometry* (Uglow)
References: Todhunter and Leatham, *Spherical Trigonometry* (Macmillan)
Barlow and Bryan, *Elementary Mathematical Astronomy* (Briggs and Bryan, Tutorial Series.)

204 **Differential and Integral Calculus.**

2 hours per week; 2 credits.
Prerequisites: Mathematics 104.

Text-books: Granville, *Differential and Integral Calculus* (Ginn)
Williamson, *Integral Calculus, Elementary Treatise* (Longmans)
References: The works of Byerly, Edwards, Johnson, Williamson.

Group 3.

(**Note**: Groups 3 and 4 will be given in alternate years.)

300 **Modern Higher Geometry, Analytic and Synthetic.**

1 hour per week; 1 credit.
Prerequisites: Mathematics 200-204 inclusive.

Text: Salmon, *Conic Sections* (Longmans).
References: Reye (tr. Holgate), *Geometry of Position, Part I*, (Macmillan).
Cremona, *Projective Geometry* (Macmillan).
Hatton, *Principles of Projective Geometry* (Dent).
Veblin and Young, *Projective Geometry* (Ginn).

301 **Higher Plane Curves.**

1 hour per week; 1 credit.
Prerequisites: Mathematics 200-204 inclusive.

Texts: Williamson, *Differential Calculus* (Appleton).
Williamson, *Integral Calculus* (Longmans).
Reference: Salmon, *Analytical Geometry* (Gauthier-Villars, Paris).

302 Solid Geometry.

2 hours per week; 2 credits.
Prerequisites: Mathematics 200-204 inclusive.

Text: C. Smith, *Solid Geometry* (Macmillan).
Reference: Salmon, *Anatytical Geometry of Three Dimensions, Vols. I and II* (Longmans).

303 Differential Equations.

1 hour per week; 1 credit.
Prerequisites: Mathematics 200-204 inclusive.

Text: W. W. Johnson, *Monograph on Differential Equations* (Wiley).
References: W. W. Johnson, *Differentia. Equations* (Wiley).
Forsyth, *Differential Equations* (Macmillan).

304 Vector Algebra.

2 hours per week, one term; 1 credit.
Prerequisites: Mathematics 200-204 inclusive.

Texts: Hyde, *Grassmann's Space Analysis* (Wiley).
References: Hyde, *Directional Calculus.*
J. G. Coffin, *Vector Analysis.*

Group 4.

400a Number Concepts.

2 hours per week, one term; 1 credit.
Prerequisites: Mathematics 200-204 inclusive.

Text: Manning, *Irrational Numbers* (Wiley).
References: Dedekind, *Essays on Number* (Open Court).
Harkness and Morley, *Theory of Functions* (Macmillan).

400b Theory of Functions of Real and Complex Variables.

1 hour per week, first term.
2 hours per week, 2nd term; 1½ credits.
Prerequisites: Mathematics 200-204 inclusive.

Texts: Pierpont, *Theory of Functions of Real Variables, Vol. I* (Ginn).
T. S. Fiske, *Functions of a Complex Variable* (Wiley).

References: Harknessand Morley, *Theory of Functions* (Macmillan).
Forsyth, *Theory of Functions.*
Harnack, *Introduction to the Calculus.*
Goursat, *Functions of a Complex Variable.*
H. Hancock, *Lectures on the* (Ginn).
Theory of Elliptic Functions (Wiley).

401a Theory of Hyperbolic Functions.

2 hours per week, one term; 1 credit.
Prerequisites: Mathematics 200-204 inclusive.

Text: J. McMahon, *Hyperbolic Functions* (Wiley).

401b **Theory of Elliptic Integrals.**

2 hours per week, one term; 1 credit.
Prerequisites: Mathematics 200-204 inclusive.
Text: H. Hancock, *Elliptic Integrals* (Wiley).

402 **Quaternions.**
1 hour per week; 1 credit.
Prerequisites: Mathematics 200-204 inclusive.
Text: Hardy, *Elements of Quaternions* (Ginn).
References: Killand and Tait, *Introduction to Quaternions.*
Tait, *Quaternions* (Macmillan).
Hamilton, *Quaternions.*

403 **Calculus of Finite Differences,** (optional).

1 hour per week, one term; ½ credit.
Prerequisites: Mathematics 200-204 inclusive.
Text: Burn and Brown, *Elements of Finite Differences* (Spectator,).

Group 5.

These are Graduate Courses leading to the degree of M.A. A minimum of four credits must be obtained by attendance and examination.

500g **Invariant Theory.**
2 hours per week; 2 credits.

References: L. E. Dickson, *Algebriac Invariants* (Wiley).
Elliott, *The Algebra of Quantics* (Oxford).
Salmon, *Lessons on Modern Higher Algebra* (Gauthier-Villars, Paris).
Grace and Young, *Algebra of Invariants* (Cambridge).
Glenn, *Theory of Invariants* (Ginn).

501g **Twisted Curves.**
2 hours per week; 2 credits.

Texts: Salmon, *Analytical Geometry of Three Dimensions, Vols. I and II.*
P. C. Wood, *The Twisted Cubic* (Cambridge).

502g **The Theory of Continuous Groups of One Parameter.**
2 hours per week; 2 credits.
Texts: Page, *Ordinary Differential Equations* (Macmillan).
Cohen, *The Lie Theory of One Parameter Groups* (Heath).

503g **The Calculus of Variations.**
2 hours per week; 2 credits.

Texts: Williamson, *Integral Calculus.*
H. Hancock, *Lectures on the Calculus of Variations* (Uni.of Cincinnati)
Reference: Bolza, *Lectures on the Calculus of Variations* (Univ., Chicago).

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).

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.

Texts-book: 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.

Instructor, Physical Training for Women: Miss Clara G. Leadman.

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 Leadman.

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.

Capt. Brock.

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. Brock 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 Leadman.

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.

Capt. Brock.

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. BROCK 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 LEADMAN.

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 and Heat:** 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* (McGraw-Hill).
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 Medical Course.

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

Text-books: See Physics 10.

20 **Electricity, Sound and Light:** 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 104.

Honor Courses

100 **Electricity, Sound and Light.** 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 Science and Biology Courses.

3 lectures, 3 laboratory hours per week; 3 credits.
Prerequisites: Physics 10 or an equivalent.

Text-books: Franklin and McNutt, *General Physics* (McGraw-Hill)
Watson, *A Textbook of Physics* (Longmans).

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.

Prerequisites: Physics 10 or an equivalent.

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

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

Text-books: See Physics 100.

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 **Properties of Matter and Heat.** An introduction to the kinetic theory and phenomena of intermolecular forces, including elasticity, surface tension, capillarity, osmosis, changes of state, laws of gases, etc., principles of thermometry for high and low temperatures, mechanical equivalent of heat, and heat engines. Prescribed for second year students in the Honor Physics and Mathematics Courses.

2 lectures per week : 2 credits

Prerequisites: Physics 100, 101.

Text-books; Boynton, *Kinetic Theory.*
Poynting and Thomson, *Properties of Matter.*
Preston, *Theory of Heat.*

202 **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 100, 101.

300 **Advanced Mechanics;** a continuation of 200, making use of calculus and simple differential equations; prescribed for third or fourth year students in the Honor Physics and Mathematics Courses. Offered in alternate years.

2 lectures per week; 2 credits.

Prerequisites: Physics 200, 201.

301 **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 third or fourth year students in the Honor Physics and Mathematics Courses.

2 lectures per week; 2 credits.
Prerequisites: Physics 200, 201.

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

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

1 lecture per week; 1 credit.
Prerequisite: Physics 200, 201, 202.

303 **Spectroscopy and Radiation;** an introduction to modern conceptions in spectroscopy and high temperature measurements. Prescribed for third or fourth year students in the Honor Physics and Mathematics Courses. 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 or fourth year students in the Honor Physics and Mathematics Courses.

1 lecture per week; 1 credit.
Prerequisites: Physics 200, 201.

305 **Theory of Heat.** An intermediate course without extensive mathematical analysis, introducing the fundamental principles of thermodynamics, radiation and temperature measurements. Prescribed for third or fourth year students in the Honor Science Course. Offered in alternate years.

2 lectures per week; 2 credits.

400 **Mathematical Theory of Potential,** with applications. Prescribed for third or fourth year students in the

Honor Physics and Mathematics Courses. Offered in alternate years.

2 lectures per week; 2 credits.

Prerequisites: Physics 200-202.

401 **Electromagnetic Theory and Practice**; similar to 40. Prescribed for fourth year students in the Honor Physics Course. Offered in alternate years.

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

Prerequisites; Physics 200-202.

402 **Elementary Thermodynamics and Theory of Gases.** Prerscibed for third or fourth year students in the Honor Physics and Mathematics Courses. Offered in alternate years.

2 lectures per week; 2 credits.

Prerequisite: Physics 200-202.

403 **Theory of Electricity.** An intermediate course, not essentially mathematical, consisting of topics selected especially for their historical and practical importance, including electrolysis, dissociation, radioactivity, elementary theory of alternating currents, generation and distribution of electrical energy, etc. Prescribed for third or fourth year students in the Honor Science Course. Offered in alternate years.

2 lectures per week; 2 credits.

Prerequisites; Physics 101, 102.

404 **Seminar in Current Literature.** Students will be required to read a series of articles from selected scientific periodicals, and present oral reports, Prescribed for fourth year students in the Honor Physics Course.

1 hour per week; 1 credit.

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.

2 hours per week; 2 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, Marx, Boehm-Bawerk, Marshall, Smart, Nhicolson, Ely, etc.

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

2 hours per week; 2 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 **The History of Economic Theories.**

3 hours per week; first term; 1½ credits.

Prerequisite: Political Economy 30.

PROFESSOR WOOD.

Text-books: J. K. Ingram, *History of Political Economy.*
References: L. H. Haney, *History of Economic Thought.*
G. Gide, and C. Rist, *History of Economic Doctrines.*
W. Smart, *Economic Annals of the Nineteenth Century.*

41 (a) **Corporation Finance** including a study of the **Stock Markets.**

3 hours per week; second term; 1½ credits.

Prerequisite: Political Economy 20.

PROFESSOR WOOD.

Text-books: E. S. Mead, *Corporation Finance.*
F. W. Hurst, *The Stock Exchange.*
References: Hastings Lyon, *Corporation Finance.*
S. S. Pratt, *The Work of Wall Street.*
T. E. Burton, *Corporations and the State.*

(b) **The Principles of Transportation.**

Text-books: E. R. Johnson, *Elements of Transportation.*
References: Cleveland and Powell, *Railroad Finance.*
Ray Morris, *Railroad Administration.*
H. B. Vanderblue, *Railroad Valuation.*
Johnson and Huebner, *Principles of Ocean Transportation.*
B. O. Hough, *Ocean Traffic and Trade.*

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

2 hours per week; 2 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, Marx, Boehm-Bawerk, Marshall, Smart, Nicholson, Ely, etc.

201 **Commerical Geography.**

2 hours per week; first term; 1 credit.

PROFESSOR WOOD.

Text-book: L. W. Lyde, *Commercial Geography.*
References: Spencer Trotter, *The Geography of Commerce.*
J. D. Whelpley, *The Trade of the World.*

202 **Industrial History of Canada since Confederation.**

2 hours per week; second term; 1 credit.

PROFESSOR WOOD.

Text-book: *Canada and its Provinces, Vol.* 9.
General Economic History, 1867-1912.
Government Reports dealing with matters of industry and tariff regulation.
References: G. Myers, *History of Canadian Wealth.*
E. Porritt, *Sixty Years of Protection in Canada.*

300 Discussion of the following subjects: The Theory of Money; Principles of Banking; Domestic and Foreign Exchange; Public Finance; Statistical Methods. Lectures, assigned reading; essays will be required from all students
2 hours per week; 2 credits.
Prerequisite: Political Economy 200, 201, 202.

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).

301 The **Economic History** of (1) Great Britain, (2) the chief European countries and (3) the United States of America.

2 hours per week; 2 credits.

Prerequisites: Political Economy 200, 201, 202.

PROFESSOR WOOD.

Text-books: M. Briggs, *Economic History of England.*
H. A. B. Gibbons, *History of Commerce in Europe.*
K. Coman, *Industrial History of the United States.*
Bland, Bowman and 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.*
Clive Day, *A History of Commerce.*
C. A. Herrick, *History of Commerce and Industry.*

400 **The History of Economic Theories.**
3 hours per week, first term; 1½ credits.
Prerequisite: Political Economy 300, 301.

PROFESSOR WOOD.

Text-book: J. K. Ingram, *History of Political Economy.*
References: L. H. Haney, *History of Economic Thought.*
C. Gide and C. Rist, *History of Economic Doctrines.*
W. Smart, *Economic Annals of the Nineteenth Century.*

401 (a) **Corporation Finance** including a study of the Stock Markets.
3 hours per week; second term, 1½ credits.

PROFESSOR WOOD.

Text-books: E. S. Mead, *Corporation Finance.*
F. W. Hurst, *The Stock Exchange.*
References: Hastings Lyon, *Corporation Finance.*
S. S. Pratt, *The Work of Wall Street.*
T. E. Burton, *Corporations and the State.*

(b) **The Principles of Transportation.**
Text-books: E. R. Johnson, *Elements of Transportation.*
References: Cleveland and Powell, *Railroad Finance.*
Ray Morris, *Railroad Administration.*
H. B. Vanderblue, *Railroad Valuation.*
Johnson and Huebner, *Principles of Ocean Transportation*
B. O. Hough, *Ocean Traffic and Trade.*

402 (1) **Labor Conditions and Problems.**
(2) **Socialism.**
(3) **Syndicalism and Allied Theories.**
Lectures, prescribed reading.
3 hours per week, first term; 1½ credits.

PROFESSOR WOOD.

Text-books: F. T. Carlton, *History and Problems of Organized Labor*
O. D. Skelton, *Socialism, a Critical Analysis.*
J. G. Brooks, *American Syndicalism.*
References: J. R. Commons, *Labor and Administration.*
Adams and Sumner, *Labor Problems.*
G. B. H. Cole, *The World of Labour.*
C. M. Lloyd, *Trade Unionism.*
L. G. Chiozza, *Money, The Future of Work.*
Thorold Rogers, *Six Centuries of Work and Wages.*
M. Hilquit, *Socialism in Theory and Practice.*
Thos. Kirup, *A History of Socialism.*
I. B. Cross, *Essentials of Socialism.*
E. Aveling, *The Student's Marx.*
Documentary material embodying labor platforms, the manifestos of Socialism, and the policies of Syndicalism.

403 **International Trade and Tariff Systems.**
2 hours per week, second term; 1 credit.

PROFESSOR WOOD.

Text-books: C. F. Bastable, *Theory of International Trade.*
G. M. Fisk, *International Commercial Policies.*
Texts of the tariff arrangements of various nations.
References: T. Percy Ashley, *Modern Tariff History.*
F. Pierce, *The Tariff and the Trusts.*
H. G. Brown, *International Trade and Exchange.*
F. W. Taussig, *Tariff History of the United States.*
D. C. Roper, *Tariff Handbook.*

404 **Problems of Distribution.**

2 hours per week, second term; 1 credit.

PROFESSOR WOOD.

Text-book: J. R. Commons, *Distribution of Wealth.*
References: Irving Fisher, *The Nature of Capital and Interest.*
J. B. Clark, *The Distribution of Wealth.*
W. Smart, *Distribu ion of Income.*
G. A. Kleene, *Profit and Wages.*
C. G. Hoog, *Theory of Interest.*

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: Political Economy 200, 201, 202.

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: Political Economy 200-202.

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: Political Economy 200-202.

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 and Courts.
1 hour per week; 1 credit.
Prerequisite: Law 305-307.

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 305-307.

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 305-307.

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 305-07.

Mr. Perrin.

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

DEPARTMENT OF PUBLIC HEALTH AND BACTERIOLOGY

Director Slack 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 preventing 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, ASSOCIATE PROFESSOR BROWN.

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 Professor Brown, and are conducted entirely in French.

10 Grammar, dictation, conversation, translation into French.

3 hours per week; 3 credits.

PROFESSOR BROWN.

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.

PROFESSOR BROWN.

Text-books: Anatole France, *Le Crime de Sylvestre 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.

PROFESSOR BROWN.

Text-books: Corneille, *Le Cid.*
Molière, *Le bourgeois gentilhomme.*
Beaumarchais, *Le barbier de Seville.*
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.

Professor Brown.

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

Honor Courses

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.

Professor Brown.

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 mariage de Figaro.*
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, *Preface de Cromwell.*
Corneille, *Discours.*
Groce, *Breviary of Aesthetik*
Boileau, *Art poétique.*
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 and essays in French.

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

Perrequisite: course 200.

3 hours per week; 3 credits.

PROFESSOR BROWN.

Text-books: Grandgent, *French Composition.*
Moliere, *Le malade imaginaire.*
" *Les Précieuses ridicules.*
" *Les Femmes savantes*
" *Le Misanthrope.*
" *Tartuffe.*
Corneille, *Polyeucte.*
" *Cinna.*
Racine, *Phédre.*
" *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 tolèrance.*
Rosseau, *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

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

In 1920-1921 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*

200 Grammar, conversation, memorization, composition. 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.*

300 Combined in 1919-1920 with Italian 400.

Prescribed for honors in Modern Languages and Romance Languages.

400 Prescribed for fourth year students in Modern Language honors.

SPANISH

10 Elementary Course. Grammar, pronunciation, conversation. This course is conducted in Spanish. Prescribed for first year students in Modern Language and Romance Honors. Not given in 1919-20.

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*.

20 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 Menendez y Pelayo: historical essays on Spanish Literature; lectures on contemporary Spanish literature.

Prerequisite: Course 10 or the equivalent.

3 hours per week; 3 credits.

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 1918-1919.

Honorary President..... DR. E. E. BRAITHWAITE
President ..... DR. J. W. CRANE
Vice-President ..... MISS MARY MCLEAN, Arts '19
Secretary-Treasurer ..... DR. K. P. R. NEVILLE
Executive Committee, MAJOR A. T. LITTLE, Board of Governors.
DR. E. F. BARKER, Arts Faculty.
MISS V. SWARTZ, Arts '20.
A. W. SMITH, Medicine '19.
R. C. KINGSWOOD, Medicine '20.

THE LITERARY SOCIETY

President ..... MISS HELEN BAKER '21
Vice-President ..... MISS ISABEL IVEY
Secretary ..... MISS VERA SWARTZ '20
Treasurer ..... J. A. MORRISON '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 officers are: Major, T. J. Murphy; Captains, G. M. Brock, K. P. R. Neville and G. F. Copeland; Lieutenants, W. H. W. Morrison and H. R. Laurie.

DEGREES CONFERRED 1918

MASTER OF ARTS

Edward Hudson Young, B.A., B.D.

BACHELOR OF ARTS

Laura Mildred Anthistle.
Carrie Elizabeth Beer.
George Arthur Porte Brickenden.
Hans Olding Foucar, M.D.
Laura Amelia Foster.
Constance Amelia Haskett.
Kathleen Margaret Holland.
Edward Herbert McKone.
Norma Antionette Murphy.
James Fisher Weir.

DOCTOR OF MEDICINE

Ernest LeRoy Armstrong.
Isidor Mordecai Cherniak.
John Featherstone Garfield Colling.
Lloyd William Morgan Freele.
Gordon Lionel McGuffin.
Ernest Wilson McNiece.
Murray Cass Morrison.
Clifton Wilfred Pennecott.
John German Seaton.
Andrew Gordon Shiell.
James Fisher Weir.

WINNERS OF AWARDS 1918.

Governor-General's Medal—Edward Herbert McKone.

Typographical Union Gold Medal—Kathleen Margaret James.

Alumnae Scholarship—Mary Margaret McLean.

BOARD OF GOVERNOR'S AWARDS—

Third Year Honor Modern Languages—Marjorie Florence Dougall.

Third Year Honor Mathematics—Caroline Leger Vrooman.

Second Year Honor Modern Languages— Dorothy Orea Walter.

Second Year Honor English and History—Gertrude May Cole.

First Year Honor Biology—Margaret Anne McIntosh.

Fourth Year Constitutional History Prize— Kathleen Margaret Holland.

Second Year French Prize—Winifred Edna Pearson.

Second Year Latin Prize—Charles Henry Tutt.

Frank G. Jewell Scholarship for General Proficiency Second Year—Marion Jeanette Wrighton.

W. W. Tamblyn Prize for Public Speaking—Helen Gordon Baker.

APPENDIX

THE MEDICAL SCHOOL

The thirty-eighth session of the Medical School of the Western University will begin on September 29, 1919. Examinations for the removal of conditions will be given on September 27, and lectures will begin on September 30.

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 n 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 be lengthened by one year so as to include six years of work, beginning with the session of 1919-20.

For the session of 1919-20 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		17
Advanced Standing		19
Athletic Association		112
Bachelor of Arts, 1918		114
Bachelor of Arts, General Course,	Regulations	19
" " " "	Requirements	31
" " Honor Courses,	Regulations	24
" " " "	Biology	38
" " " "	Classics	39
" " " "	English and History	40
" " " "	Mathematics	42
" " " "	Modern Languages	43
" " " "	Physics	45
" " " "	Political Science	46
" " " "	Romance Languages	44
Bachelor of Arts, Special Courses,	Regulations	21
" " " "	Requirements	34
B. A., M. D. Course, Regulations		26
" " " Requirements		47
Biology, Description of Courses in		59
Calendar, University		4
Canadian Officers' Training Corps		118
Caps, Academic		13
Chemistry, Description of Courses in		66
Contents, Table of		3
Degrees		12
Doctors of Medicine, 1918		114
English, Description of Courses in		75
Extramural Course, Regulations		22
Extramural Course, Requirements		36
Extramural Students		19
Fees		30
French, Description of Courses in		108
Geology " " "		81
German " " "		82
Government " "		106
Gowns, Academic		12

Greek, Description of Courses in 72
Hebrew, " " " 83
History, " " " " 85
Honor Courses for Specialists' Certificates, Regulations 49
Classics 52
English and History 54
Mathematics and Physics 56
Moderns and History 53
Science 55
Hoods, Academic 13
Huron College 116
Italian, Description of Courses in 111
Latin, " " " " 68
Law, " " " " 106
Literary Society 113
Masters of Arts, 1918 113
Master of Arts Course, Regulations 27
Mathematics, Description of Courses in 91
Medals, Scholarships, Prizes 29
Medals, Scholarships, Prizes, 1918, Winners of 114
Medical School 115
Military Training, Description of Courses in 97
Officers of Administration, College of Arts 15
" " University 5
Officers of Instruction, College of Arts 15
" " University 7
Officers, Other University 11
Philosophy, Description of Courses in 95
Physical Training, Description of Courses in 97
Physics, Description of Courses in 98
Political Economy, Description of Courses in 102
Public Health, Description of Courses in 107
Public Health, Institute of 116
Spanish, Description of Courses in 112
Special Students 18
Theological Options 33
Timetable of General Course Classes 60,61

Western University

LONDON, ONTARIO

MATRICULATION SCHOLARSHIPS

These scholarships are offered by Western University and its affiliated theological college--Huron--for competition in the Matriculation Examinations of 1923

Western University Scholarships

1. Two scholarships of the value of $100 each will be awarded for competition in the Pass Junior Matriculation. The winners will receive free tuition for two years in the College of Arts of the University; total value of scholarships $200 each.

   Candidates for these scholarships must be writing at least 6 papers *to complete University entrance* and on these six papers the scholarships will be awarded.

2. Three scholarships of $100 each will be awarded on Honor Matriculation as follows:

   (a) English, Latin and any other two subjects

   (b) English, History, French and any other one subject.

   (c) English, Mathematics, Physics and any other one subject.

   Free tuition for two years in the University College of Arts will be granted the winners; total value $200 each.

3. Candidates must notify WESTERN UNIVERSITY by May 15th, 1923, on forms provided on request, of intention to compete for these scholarships.

4. All candidates must sign a declaration of intention to proceed to a degree in Arts in Western University.

5. These scholarships will be available only in the next ensuing session after they are awarded and will be payable as the student is pursuing his course, one-half on November 15th, and the remainder on February 15th, provided the student's work for the first term is satisfactory.

6. None of these scholarships will be awarded to any candidate who obtains an average of less than 75 per cent. on all the papers for which the scholarship is offered.

The Board of Governors of Western University have voted to increase materially the number of scholarships available in 1924 for Honor Matriculation candidates. For details see the Announcement of the Colleges of Arts of Western University for 1923-24.

All inquiries regarding these scholarships may be addressed to

DR. K. P. R. NEVILLE,
Registrar.

Huron College Scholarships

1. Two scholarships of the annual value of $125.00 and $100.00 respectively, together with free tuition for one year in the University and Huron College, University tuition to be paid by Huron College, making the annual value $170.00 and $145.00.

Candidates for these scholarships must write at least six papers of Pass Junior Matriculation to ***complete University entrance requirements*** and on these papers the scholarships will be awarded.

Applications must be made by candidates desiring to write for these scholarships on forms to be furnished by Huron College on request, before May 15th, 1923.

These scholarships can only be awarded to candidates who comply with the following conditions:

1. The candidates must be regularly accepted as candidates for the ministry of the Church of England in Canada and registered as students of Huron College, intending to proceed to a degree in Arts in the Western University.

2. They must pledge themselves to serve for a term of three years from ordination in the Diocese of Huron.

3. The scholarships will be payable on October 15th and February 15th. The second instalment is subject to successful completion of the first term's work in the University and Huron College.

Communications re the Huron College scholarships are to be addressed to

REV. C. C. WALLER, D.D.,
Huron College, London.