UNIVERSITY OF WESTERN ONTARIO

LONDON - - CANADA

FACULTY of ARTS



UNIVERSITY COLLEGE
ASSUMPTION COLLEGE
URSULINE COLLEGE
WATERLOO COLLEGE
HURON COLLEGE
ALMA COLLEGE

ANNOUNCEMENT 1926-1927

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ANNOUNCEMENT 1926-1927

Dr. Christian Sivertz Pic — Instr Chemistry

R. E. K. Pemberton – M.A. — Asst Prof Classics

Rubey E. C. Mason M.A. — Dean of Women

E. C. Reilly, B. S. A. — Prof. – Registrar

S. Floyd Shaine, M.A. — Asst Prof Economics & Statistics

Margaret Thompson — Instr Sec. Sc.

Mrs Dulosh W.R. Rev. — Philos

Runnels John — Chem

Rendall Helen — Botany

CONTENTS

	PAGE
Calendar	5
Officers of Legislation, University	6
Officers of Administration, University	8
Officers of Instruction, Faculty of Arts	10
General Information	19
Officers of University College	20
Officers of Assumption College	25
Officers of Ursuline College	26
Officers of Waterloo College	27
Officers of Huron College	28
Officers of Alma College	29
General Regulations, Faculty of Arts	30
Medals, Scholarships, Prizes	43
Regulations for Specialist and High School Assistant Certificates	52
Regulations for Inspectors' Certificates	53
Fees	54
Requirements for Degrees	55
Description of Courses	79
Degrees Conferred, 1925	176
Index	179

1926

JULY						
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AUGUST						
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NOVEMBER						
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DECEMBER						
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CALENDAR OF FACULTY OF ARTS

1926

September 1, Wednesday..... ... Last day for receiving applications for removal of conditions.

September 8, Wednesday.....Examinations for removal of conditions begin.

September 17, Friday.....Registration day for Freshmen.

September 18, Saturday.....Registration day for second, third and fourth year students from London.

September 20, Monday.....Registration day for second, third and fourth year students from centres other than London.

September 21, Tuesday.....Lectures begin.

September 29, Wednesday.....Last day of registration except on penalty of three dollars.

October 6, Wednesday.....Last day of registration for all except Special Students in the Faculty of Arts.

October 8, Friday.....Annual Field Day, half-holiday.

November 8, Monday.....Thanksgiving Day, holiday.

December 18, Saturday, 1.00 p.m...Christmas vacation begins.

1927

January 4, Tuesday.....Lectures resume.
Last day for submitting outlines for M.A. theses.

January 17, Monday.....Midyear Examinations begin.

January 29, Saturday.....First term ends.

January 31, Monday.....Second term begins.
Last day for payment of second term fees.

April 14, Thursday, 5.00 p.m......Easter vacation begins.

April 19, Tuesday, 9.00 a.m......Lectures resume.

May 7, Saturday.....Lectures for second term close.

May 9, Monday.....Second term examinations begin.

May 27, Friday.....Convocation.

OFFICERS OF LEGISLATION

The Board of Governors

THE CHANCELLOR, *ex officio*
THE PRESIDENT, *ex officio*
HIS WORSHIP, THE MAYOR OF LONDON, *ex officio*
THE WARDEN, County of Middlesex, *ex officio*

	Appointed by
MR. J. H. CHAPMAN,	*Lieutenant Governor in Council (1928)*
MR. JAMES GRANGER,	*London City Council (1930)*
MAJOR GORDON INGRAM,	*London City Council (1927)*
MAJOR A. T. LITTLE,	*Board of Governors*
MR. J. P. MOORE, K.C.,	*Lieutenant Governor in Council (1930)*
LIEUT.-COL. T. J. MURPHY, K.C.,	*Board of Governors*
MR. PHILIP POCOCK,	*Lieutenant Governor in Council (1928)*
MR. JOHN PRINGLE,	*London City Council (1929)*
H. T. REASON, M.D.,	*London City Council (1928)*
C. R. SOMERVILLE, LL.D.,	*Lieutenant Governor in Council(1928)*
MR. A. W. WHITE,	*Board of Governors*

Officers of the Board

MAJOR A. T. LITTLE,	Chairman
DEAN W. SHERWOOD FOX,	Secretary

The Senate

The Chancellor, the Vice-Chancellor, the President, the Registrar, the Director of the Summer School and the Director of the Extension Department, *ex officio.*

	Representative of
DEAN W. S. FOX,	*Faculty of University College*
PROFESSOR W. F. TAMBLYN,	*Faculty of University College*
DEAN J. W. CRANE,	*Faculty of Medical School*
DR. R. FERGUSON,	*Faculty of Medical School*
DEAN H. W. HILL,	*Faculty of Public Health*
DR. A. J. SLACK,	*Faculty of Public Health*
RT. REV. DAVID WILLIAMS,	*Council of Huron College*
REV. DR. C. C. WALLER,	*Council of Huron College*
DEAN A. O. POTTER,	*Faculty of Waterloo College*
REV. A. A. ZINCK, D.D.,	*Faculty of Waterloo College*
PRINCIPAL P. S. DOBSON, D.D.,	*Faculty of Alma College*

PRINCIPAL D. L. DILLON,	*Faculty of Assumption College*
REV. V. L. KENNEDY,	*Faculty of Assumption College*
REV. F. J. BRENNAN,	*Faculty of Ursuline College*
REV. A. P. MAHONEY,	*Faculty of Ursuline College*
REV. A. A. BICE,	*Graduates of University College*
DR. F. J. H. CAMPBELL,	*Graduates of Medical School*
REV. C. W. FOREMAN,	*Graduates of Huron College*
MR. A. B. MCINTYRE,	*Graduates of Assumption College*
MR. M. P. MCDONAGH,	*Graduates of Ursuline College*
DR. T. J. MCNALLY,	*Graduates in Public Health*
LT.-COL. T. J. MURPHY, K.C.,	*Board of Governors*
DR. H. T. REASON,	*Board of Governors*
DR. J. T. BOWMAN,	*London Board of Education*
REV. M. A. BRISSON,	*London Separate School Board*
DR. HADLEY WILLIAMS,	*City Council of London*
DR. W. J. STEVENSON,	*City Council of London*
COL. T. S. HOBBS,	*City Council of London*
MR. N. S. GURD,	*City Council of Sarnia*
MR. H. J. B. LEADLAY,	*City Council of Guelph*
REV. J. N. H. MILLS,	*City Council of Brantford*
MR. W. N. SEXSMITH,	*City Council of Chatham*
MR. A. G. HOOPER,	*City Council of Windsor*
MR. J. E. HARRISON,	*County Council of Middlesex*
MR. K. W. MCKAY,	*County Council of Elgin*
MR. J. H. SMITH,	*County Council of Kent*
MR. W. G. CONNOLLY,	*County Council of Lambton*
MR. T. E. LANGFORD,	*County Council of Norfolk*
MR. JAMES STEWART,	*County Council of Perth*
DR. D. A. MAXWELL,	*County Council of Essex*
MR. C. A. MAYBERRY,	*Principals Secondary Schools*
MR. A. M. OVERHOLT,	*Principals Secondary Schools*
MR. E. A. MILLER,	*Principals Secondary Schools*
DR. ARTHUR VOADEN,	*Principals Secondary Schools*

Officers of The Senate

CHAIRMAN, The President

SECRETARY, The Registrar

EXECUTIVE COMMITTEE—The Chancellor, the Vice-Chancellor, the President, the Secretary, the Head (or his Deputy) of University College, Medical School, Faculty of Public Health, Ursuline College, Assumption College, Huron College, Waterloo College.

OFFICERS OF ADMINISTRATION

Visitor

HIS HONOR, THE LIEUTENANT GOVERNOR OF ONTARIO.

Chancellor

THE HONOURABLE WILLIAM J. ROCHE, M.D., LL.D., Ex-M.P.

President

No Appointment.

Executive Secretary and Director of Extension Department

COL. W. J. BROWN, B.S.A., LL.M.

Registrar

K. P. R. NEVILLE, M.A., PH.D.

Assistant Registrar

E. ISABEL TANTON, B.A.

Bursar

WILLIAM WAUGH, M.D., LL.D.

Director of Library Services

FREDERICK LANDON, M.A.

Director of the Summer School and Extramural Departments

H. R. KINGSTON, PH.D., F.R.A.S.

Librarian

MARJORIE ROSS, B.A.

Curator Barnett Library

J. DAVIS BARNETT, C.E., LL.D.

Other Officials

(Date of first appointment is given. Unless otherwise stated, the degrees are from the University of Western Ontario.)

HELEN ALLISON, B.A., 1924. — *Secretary to the Registrar*, 11 Regina St., 1924

GWYNEDD AUDEN, — *Assistant in Library*, 236 St. George St., 1922

MAY CALDWELL, — *Secretary to the Executive Secretary*, 236 Tecumseh Ave., 1923

CATHERINE CAMPBELL, B.A., 1923. — *Assistant in Library*, 424 St. George St., 1923

EDITH CROCKFORD, *Secretary to the Director of Physical Education*
24 Rathgar St.
1922

WILLIAM JOHN CURNOE, *Asst. Supt. Buildings and Grounds*
University Campus.
1924

*RUTH DAVIS, *Assistant in Library*
552 Princess Ave.
B.A., 1923; M.A., 1925. 1923

WINIFRED DAWSON, *Bookkeeper*
Pipe Line Road
1924

JOHN ATKIN DOBIE, *Supt. of Buildings and Grounds*
University Campus
1923

KATE M. GILLESPIE, *Assistant in Library*
164 Albert St.
B.A., McGill, 1921. 1922

**MARY GRANGER, *Assistant in Library*
532 Dufferin Ave.
B.A., 1922. 1924

HELEN MARGUERITE HARDY, *Assistant in Library*
611 Oxford St.
B.A., 1925. 1925

C. HARRY JACKSON, *Accountant*
528 St. James St.
1922

MARY LINDSAY, *Switchboard Operator*
8 Bernard Ave.
1925

M. ELSIE PICKLES, *Manager of the Supply Store*
336 Ridout St. South
1922

ETHEL K. WALKER, *Bookkeeper*
559 Rosedale St.
1924

BEATRICE W. WELLING, *Assistant in Library*
53 Alma St.
B.A., New Brunswick, 1909; M.A., Radcliffe, 1912; B.Sc., Simmons, 1916. 1925

---

*Second term.
**First term.

OFFICERS OF INSTRUCTION

Faculty of Arts

Session 1925-1926

(The year of first appointment to present professorial position is given. A, in brackets after a name indicates the staff of Assumption College; C, the staff of University College; U, the staff of Ursuline College; W, the staff of Waterloo College; and H, the staff of Huron College. Unless otherwise indicated the degrees have been granted by the University of Western Ontario.)

REV. FRANK ANDERSON (H), *Professor of Biblical Greek*
314 Grosvenor St.
B.A., Oxford, 1894; M.A., *ibid*, 1899; B.D., 1922; D.D., Oxford, 1924. 1920

HENRY WILLIAM AUDEN (C), *Professor of Classics*
236 St. George St.
B.A., Cambridge, 1889; M.A., *ibid*, 1893. 1919

*REV. LOUIS J. BONDY (A), *Professor of French*
B.A., Toronto, 1919; M.A., Chicago, 1924. 1919

MOTHER M. CARMEL (U), *Professor of English*
Brescia Hall
M.A., Columbia, 1922. 1922

RAYMOND COMPTON DEARLE (C), *Professor of Physics*
205 Wortley Rd.
B.A., Toronto, 1914; M.A., *ibid*, 1915; Ph.D., *ibid*, 1919. 1919

VERY REV. D. L. DILLON (A), *Professor of Classics*
B.A., Toronto, 1914., Principal, Assumption College. 1922

REV. PERRY S. DOBSON (Alma), *Professor of Classics*
M.A., Oxon., 1904; D.D., Wesleyan, 1922; Principal, Alma College. 1925

ARTHUR GARRATT DORLAND (C), *Professor of History*
914 Colborne St.
B.A., Queen's, 1910; M.A., Yale, 1911. 1920

†WILLIAM SHERWOOD FOX (C), *Professor of Classics*
270 Regent St.
B.A., McMaster, 1900; M.A., *ibid*, 1906; Ph.D., Johns Hopkins, 1911; F.R.S.C., 1922; D. Litt., McMaster, 1923; Dean of University College of Arts. 1917

NELSON COLLINS HART (C), *Professor of Botany*
202 Sydenham St.
B.A., Toronto, 1915; M.A., *ibid*, 1916. 1919

JOHN ABERDEEN GUNTON (C), *Professor of Chemistry*
563 Adelaide St.
B.A., McMaster, 1916; M.A., *ibid*, 1917; Ph.D., University of Illinois, 1921, F.C.I.C., 1924. 1923

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*On leave, 1925-26.
†On leave, first term, 1925-26.

*HIBBERT WINSLOW HILL (C), *Professor of Public Health*
M.B., Toronto, 1893; M.D., *ibid*, 1899; D.P.H., *ibid*, 1911; Dean of the Faculty of Public Health. 1920

NATHANIEL CHAMNEY JAMES (C), *Professor of German*
159 St. James St.
B.A., Toronto, 1883; Ph.D., Halle, 1893; LL.D., 1924. 1896

HAROLD REYNOLDS KINGSTON (C), *Professor of Mathematics*
287 Oxford St.
M.A., Queen's, 1908; Ph.D., Chicago, 1914; F.R.A.S., 1924. 1921

REV. ANDREW PARNELL MAHONEY (U),
Professor of Religious Knowledge
St. Peter's Seminary
1920

REV. SAMUEL E. MCKEGNEY (H), *Professor of Church History*
R. R. 2, London
B.A. Oxon., 1923; M.C., 1918. 1925

ELLIS HENRY MORROW (C), *Professor of Commercial Economics*
853 Maitland St.
B.A., Queen's, 1919; M.B.A., Harvard, 1921. 1922

KENNETH PERCIVAL RUTHERFORD NEVILLE (C),
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; F.A.G.S., 1921; Registrar of the University. 1908

RT. REV. DENIS O'CONNOR (U), *Professor of Philosophy*
St. Peter's Seminary
B.C.L., Laval, 1908; S.T.L., *ibid*., 1908. 1923

REV. JOHN HENRY O'LOANE (A),
Professor of Religious Knowledge
B.A., Toronto, 1918. 1923

WILLIAM JOHN PATTERSON (C), *Professor of Mathematics*
856 Hellmuth Ave.
B.A., Queen's, 1888; M.A., *ibid*, 1895. 1906

REV. JOHN HERMAN POCOCK (U), *Professor of Philosophy*
St. Peter's Seminary
B.A., Toronto, 1915. 1920

ALEXANDER O. POTTER (W), *Professor of History*
B.Sc., Gettysburg, 1919; M.A., *ibid*, 1920; Ph.D., Columbia, 1922.
Dean, Waterloo College of Arts. 1925

ALBERT DUNCAN ROBERTSON (C), *Professor of Zoology*
454 St. James St.
B.A., Toronto, 1910. 1915

*On leave, 1925-26.

MOTHER M. ST. ANNE (U), *Professor of French*
Brescia Hall

B.A., Queen's, 1909; M.A., Columbia, 1922. Dean, Ursuline College of Arts. 1919

*MOTHER M. ST. MICHAEL (U), *Professor of History*
Brescia Hall

B.A., Liverpool, 1907; M.A., 1920. 1919

VEN. ARCHDEACON GEORGE BLOOMFIELD SAGE (H,C),
Professor of Apologetics
Lecturer in Philosophy
225 Wharncliffe Rd.

B.A., Trinity, 1880; B.D., *ibid*, 1887; M.A., *ibid*, 1910; D.D., 1909. 1908

ALBERT JOSIAH SLACK (C), *Professor of Public Health*
31 Belgrave Place

Ph.C., Mass. College of Pharmacy, 1904; M.D., 1920; D.P.H., 1922. Acting Dean, Faculty of Public Health. 1910

GEORGE A. SMITH, *Director of Physical Education*
40 Belgrave Place

M.D., 1913; M.C., 1917; bar, 1918. 1922

WILLIAM FERGUSON TAMBLYN (C),
Professor of English Literature
318 Grosvenor St.

B.A., Toronto, 1895; Ph.D., Columbia, 1900. 1902

REV. EDWARD JEROME TIGHE (A), *Professor of Metaphysics*
B.A., 1920. 1921

REV. CHARLES CAMERON WALLER (H, C), *Professor of Hebrew*
Huron College

B.A., Cambridge, 1890; M.A., *ibid*, 1902; M.A., McGill, 1906; D.D., 1915; F.A.G.S., 1925; Principal of Huron College. 1902

REV. FRANCIS JOSEPH BRENNAN (U),
Associate Professor of Philosophy
572 Queen's Ave.

B.C.L., Laval, 1910; S.T.L., Angelicum, Rome, 1911. 1923

JOHN D. DETWILER (C), *Associate Professor of Zoology*
844 Hellmuth Ave.

B.A., Queen's, 1912; M.A., *ibid*, 1913; Ph.D., Cornell, 1921. 1921

REV. CHARLES DONOVAN (A), *Associate Professor of English*
Lecturer in Philosophy

B.A., Toronto. 1919

---

*On leave, 1925-6.

RALPH EVANS FREEMAN (C), *Associate Professor of Economic and Political Science*
288 Huron St.
B.A., McMaster, 1914; M.A., *ibid.*, 1915; B.Litt., Oxford, 1921. 1923

ROY J. E. HIRTLE (W), *Associate Professor of Chemistry*
Associate Professor of Mathematics
B.Sc., Dalhousie, 1921; M.Sc., *ibid*, 1923. 1925

REV. SEWARD W. HIRTLE (W), *Associate Professor of Classics*
B.A., Roanoke, 1915. 1925

FREDERICK LANDON (C), *Associate Professor of History*
Associate Professor of Library Science
846 Hellmuth Ave.
B.A., 1906; M.A., *ibid*, 1919; Director of Library Services. 1917

JOHN WILLIAM RUSSELL (C), *Associate Professor of Geology*
178 St. George St.
B.A., McMaster, 1895; M.A., *ibid*, 1899. 1920

REV. HERMAN SCHORTEN (W), *Associate Professor of German* 1925

JAMES ALBERT SPENCELEY (C), *Associate Professor of English*
252 Central Ave.
B.A., Toronto, 1905; M.A., *ibid*, 1909; M.A., Harvard, 1920. 1921

IRA OWEN WADE (C), *Associate Professor of Romance Languages*
446 Piccadilly St.
A.B., Johns Hopkins, 1916; A.M., Columbia, 1919; Ph.D., Princeton, 1923. 1925

*REV. NILS WILLISON (W), *Associate Professor of English*
Litt.D., Carthage, 1924. Registrar, Waterloo College of Arts. 1925

REV. AUSTIN A. ZINCK (W),
Associate Professor of Religious Knowledge
Associate Professor of Philosophy
B.A., Dalhousie, 1915; B.D., Chicago Lutheran Seminary, 1922; S.T.M., *ibid*, 1923; D.D., *ibid*, 1925. President, Evangelical Lutheran Seminary. 1925

ELNORA EVELYN KELLY ALBRIGHT (C),
Assistant Professor of English
346 Piccadilly St.
B.A., Toronto, 1912; Barrister-at-Law, Alberta, 1919. 1920

*RAY LEROI ALLEN (C), *Assistant Professor of Physics*
907 Colborne St.
B.A., Mt. Allison, 1917; M.A., *ibid*, 1919. 1921

WILLIAM EDWIN COLLIN (C),
Assistant Professor of Romance Languages
181 Cromwell St.
L. ès L., Toulouse, 1922; M.A., 1925. 1923

*On leave, 1925-26.

WILLIAM CLIFFORD MARTIN (C), *Assistant Professor of English*
922 Dufferin Ave.
B.A., 1916; M.A., 1920; Ph.D., Cornell, 1925. 1924

*JOHN RUSSELL (C), *Assistant Professor of Chemistry*
B.A., British Columbia, 1917; M.Sc., McGill, 1918; F.C.I.C., 1924. 1923

ARTHUR WOODS (C), *Assistant Professor of Mathematics*
562 Ridout St.
B.A., Queen's, 1911; M.A., *ibid*, 1915. 1920

MAY BELLE ADAMS (Alma), *Instructor in Public Speaking*
B.E.L, Emerson, 1905. 1925

DONALD S. AINSLIE (C), *Instructor in Physics*
787 Hellmuth Ave.
B.A., Toronto, 1915; M.A., *ibid*, 1916; Ph.D., *ibid*, 1925. 1925

RONALD ALEXANDER ALLEN (C), *Instructor in German*
181 Cromwell St.
B.A., Toronto, 1921; M.A., *ibid*, 1922. 1923

REV. PETER J. BART (A), *Instructor in French*
B.A., Toronto, 1922; M.A., *ibid*, 1923. 1925

HELEN IRENE BATTLE (C), *Instructor in Zoology*
132 Mamelon St.
B.A., 1923; M.A., 1924. 1923

M. M. BONAVENTURE (U), *Instructor in English*
Brescia Hall
B.A., Queen's, 1917; M.A., 1923. 1923

JAMES W. BURNS (C), *Instructor in Chemistry*
20 Picton St.
B.Sc., New Brunswick, 1916; M.Sc., Queen's, 1921; F.C.I.C., 1924. 1922

ANDRE CÉLIÈRES (C), *Instructor in Romance Languages*
194 Sydenham St.
B. ès L., Sorbonne, 1912; B.Paed., London, 1920. 1925

HARRIET DOBSON (Alma), *Instructor in French*
B.A., McGill, 1901. 1925

WILLENA FOSTER (C), *Instructor in Physics*
41 Hayman Court
B.A., Toronto, 1916; M.A., *ibid*, 1918. 1922

REV. JOHN JOSEPH GLAVIN (A), *Instructor in Religious Knowledge*
B.A., Toronto, 1924. 1924

REV. VINCENT JOSEPH GUINAN (A), *Instructor in Philosophy*
B.A., 1920. 1924

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*On leave, 1925-26.

REV. VINCENT L. KENNEDY (A), *Instructor in Classics*
B.A., Toronto, 1923; M.A., *ibid*, 1925. 1925

MOTHER MARIE (U), *Instructor in French*
Brescia Hall
B.A., 1925. 1925

EDMUND PARKER WILFRED MACDONALD (C),
Instructor in Economic and Political Science
Instructor in Philosophy
693 Talbot St.
B.A., Queen's, 1924. 1924

REV. THOMAS ALOYSIUS MCDONALD (A), *Instructor in Physics*
B.A., Toronto, 1924. 1924

HUGH L. MCPHERSON (A), *Instructor in English*
B.A., St. Francis Xavier, 1923. 1925

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787 Hellmuth Ave.
B.A., British Columbia, 1917; M.A., *ibid*, 1920; B.Sc., Oxford, 1923; Ph.D., McGill, 1925. 1925

IVEAGH MUNRO (Alma), *Instructor in Physical Training*
Cert. in Physical Education, McGill, 1922. 1925

REV. JOSEPH SYLVESTER NICHOLSON (A), *Instructor in History*
M.A., Catholic University of America, 1921. 1924

REV. WILLIAM B. O'TOOLE (A), *Instructor in Classics*
B.A., Toronto, 1924. 1925

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562 Ridout St.
B.A., Queen's, 1924. 1925

JOHN A. ROGERS (C), *Instructor in Physics*
153 Kent St.
B.Sc., Acadia, 1922; B.Sc., Nova Scotia Technical College, 1925. 1925

MARJORIE ROSS (C), *Instructor in Library Science*
41 Hayman Court
B.A., Toronto, 1916. 1918

MOTHER M. ST. JAMES (U), *Instructor in English*
Instructor in History
Brescia Hall
B.A., Queen's, 1924; M.A., *ibid*, 1925. 1925

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B.A., Toronto, 1923; M.A., *ibid*, 1924. 1923

ADA DOROTHY TURVILLE (C), *Instructor in Romance Languages*
Oxford St. West
B.A., 1917; M.A., Columbia, 1921; Ph.D., Columbia, 1925. 1925

ANSON R. WALKER (C), *Instructor in Botany*
907 Maitland St.
B.A., Queen's, 1919; M.A., Toronto, 1921. 1925

OLIVE ZIEGLER (Alma), *Instructor in English*
Instructor in Religious Knowledge
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WILLIAM CHALONER BENSON (C),
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506 Oxford St.
Chartered Accountant. 1924

REV. MAXIME AMBROSE BRISSON (U),
Lecturer in Religious Knowledge
St. Peter's Seminary
1923

FRANK HARTLEY CURRAN (C), *Lecturer in Commercial Economics*
327 St. James St.
B.A., 1917; LL.B., *ibid*, 1921; Osgoode Hall, 1921. 1921

REV. EDWARD WILLIAM EDWARDS (C), *Lecturer in English*
1059 Richmond St.
M.A., Toronto, 1899; B.D., *ibid*, 1902; M.C., 1917. 1925

REV. JAMES BRIAN FFOULKES (U), *Lecturer in Philosophy*
345 Lyle St.
J.C.D., Angelicum, Rome, 1923. 1923

REV. THOS. WEST FLANNERY (U), *Lecturer in Psychology*
572 Queen's Ave.
Ph.L., Angelicum, Rome, 1922; S.T.D., *ibid*, 1923. 1923

REV. LEONARD MICHAEL FORRISTAL (U), *Lecturer in Philosophy*
St. Peter's Seminary
B.A., Toronto, 1913. 1923

REV. HENRY HENKEL (W), *Lecturer in Hebrew*
Lecturer in Philosophy
1925

REV. EMIL HOFFMAN (W), *Lecturer in Religious Knowledge*
D.D., Thiel, 1912. 1925

REV. PATRICK JOSEPH HOWARD (A),
Lecturer in Public Speaking
M.A., Holy Cross College, 1918. 1924

DORIS LIDDICOATT (C), *Lecturer in English*
181 St. James St.
B.A., 1915; M.A., 1916. 1925

REV. CARROLL H. LITTLE (W), *Lecturer in Religious Knowledge*
B.A., Roanoke, 1893; D.D., Lenoir, 1914; S.T.M., Chicago Lutheran Seminary, 1924.
Bursar, Waterloo College of Arts. 1925

W. FLOYD MARSHALL (C), *Lecturer in Commercial Economics*
205 Cheapside St.
1924

JEAN THOMPSON NEVILLE (C), *Lecturer in English*
190 Bridport St.
B.A., 1910; M.A., 1923. 1921

FINLEY E. PERRIN (C), *Lecturer in Economics*
227 Grand Ave.
B.A., Toronto, 1892; Barrister-at-Law, 1898. 1915

REGINALD GUY RATZ (W), *Lecturer in Public Health*
M.B., Toronto, 1921. 1925

JEAN ISABEL WALKER (C), *Lecturer in Public Speaking*
411 King St.
L.C.M. 1920

JAMES WILLIAM WESTERVELT, JR. (C),
Lecturer in Accountancy
807 Talbot St.
C.A., Institute of Chartered Accountants. 1920

MARION WRIGHTON (C), *Lecturer in English*
176 Albert St.
B.A., 1920. 1925

HELEN MILDRED ALLISON (C), *Assistant in English*
11 Regina St.
B.A., 1924. 1924

HELEN BERENICE BERDAN (C), *Demonstrator in Botany*
295 Central Ave.
B.A., 1924. 1924

PHILLIPS BURTON (C), *Assistant in Commercial Economics*
704 Adelaide St.
B.A., 1925. 1925

CATHERINE CAMPBELL, *Assistant in Library Science*
424 St. George St
B.A., 1923. 1923

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178 Tecumseh Ave.
B.A., 1925. 1925

A. M. I. A. W. DURNFORD (C), *Assistant in Physics*
Hyde Park
B.A., 1925. 1925

KATE MENZIES GILLESPIE (C), *Assistant in Library Science*
164 Albert St.
B.A., McGill, 1921. 1924

*MARY GRANGER (C), *Assistant in Library Science*
532 Dufferin Ave.
B.A., 1922. 1924

*First term.

GERALD E. HAGEY (W), *Assistant in Physical Training*
1925

ADELAIDE HAGGART (C), *Demonstrator in Chemistry*
966 Colborne St.
B.A., Queen's, 1925. 1925

CLAUDE MCCALLUM (C), *Demonstrator in Zoology*
253 Oxford St.
B.A., 1924. 1924

GEORGE HAROLD REAVELY (C), *Demonstrator in Chemistry*
209 Hale St.
B.A., 1925. 1925

EDITH WYNNE-PRYCE (C), *Assistant in Physical Training*
552 Princess Ave.
1921

IDA GERTRUDE ROWNTREE (C), *Assistant in Chemistry*
60 Stanley St.
B.A., 1919. 1920

RHODA SCANLON (C), *Assistant in Chemistry*
586 Adelaide St.
B.A., 1924. 1924

BEATRICE WINIFRED WELLING (C), *Assistant in Library Science*
53 Alma St.
B.A., New Brunswick, 1909; M.A., Radcliffe, 1912; B.Sc., Simmons, 1916. 1925

NELDA WRIGHT (C), *Demonstrator in Botany*
270 Huron St.
B.A., 1925. 1925

GENERAL INFORMATION

The University of Western Ontario is composed of three units, the College of Arts, the Medical School and the Institute of Public Health; affiliated with the University are three colleges teaching full four year Arts courses, viz., Assumption College at Sandwich; Ursuline College, London; Waterloo College, Waterloo; one Junior College, teaching first two years in Arts only, Alma College, St. Thomas; one theological college, Huron, of London.

By the 1908 amendments to the act incorporating the University of Western Ontario, 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.

THE LIBRARIES

The libraries of the University of Western Ontario total about 75,000 volumes, with several thousand pamphlets.

In the Barnett collection are many exceedingly rare volumes, not to be found elsewhere in Canada. The Shakespeariana number about 1,500 volumes and several thousand pamphlets. The Barnett collection also includes a large assortment of rare items in Canadian and American history with extensive selections in folklore, English literature, European history, the drama, church history and other fields.

DEGREES

By its charter the University of Western Ontario 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 Science in Nursing (B.Sc.); *Bachelor of Divinity (B.D.); Bachelor of Laws (LL.B.); Master of Arts (M.A.); Master of Science (M.Sc.); Doctor of Medicine (M.D.); Diploma of Public Health (D.P.H.); Doctor of Public Health (Dr. P.H.); Certificate of Public Health Nurse (C.P. H.N.); Certificate of Instructor Nurse (C.I.N.); and Certificate of Hospital Administrator (C.H.A.); *Doctor of Divinity (D.D.)

*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.

Faculty of Arts

University College

Dean
*WILLIAM SHERWOOD FOX, PH.D., D.LITT., F.R.S.C.

Director of the Summer School and Extramural Department
H. R. KINGSTON, PH.D., F.R.A.S.

Secretary
J. D. DETWILER, PH.D.

Librarian
MARJORIE ROSS, B.A.

Chairman of Committee on Academic Standing
†K. P. R. NEVILLE, PH.D.

Representative on the University Library Board
W. F. TAMBLYN, PH.D.

Representative on the Athletic Board
N. C. HART, M.A.

Representatives on University Senate
DEAN W. SHERWOOD FOX, *ex officio*
W. F. TAMBLYN, PH.D.

Officers of Instruction

HENRY W. AUDEN, M.A.,
Professor of Classics.

RAYMOND C. DEARLE, PH.D.,
Professor of Physics.

ARTHUR G. DORLAND, M.A.,
Professor of History.

WILLIAM SHERWOOD FOX, PH.D., D.LITT., F.R.S.C.,
Professor of Classics.

JOHN ABERDEEN GUNTON, PH.D., F.C.I.C.,
Professor of Chemistry.

*On leave, first term, 1925-26.
†Acting Dean, first term. 1925-26.

NELSON C. HART, M.A.,
Professor of Botany

NATHANIEL CHAMNEY JAMES, PH.D., LL.D.,
Professor of German.

HAROLD R. KINGSTON, PH.D., F.R.A.S.,
Professor of Mathematics.

ELLIS H. MORROW, B.A., M.B.A.,
Professor of Commercial Economics.

K. P. R. NEVILLE, PH.D., F.A.G.S.,
Professor of Classics.

WILLIAM JOHN PATTERSON, M.A.,
Professor of Mathematics.

ALBERT DUNCAN ROBERTSON, B.A.,
Professor of Zoology.

ALBERT JOSIAH SLACK, M.D., D.P.H.,
Professor of Public Health.

GEO. A. SMITH, M.D., M.C. with bar,
Director of Physical Education.

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

CHARLES CAMERON WALLER, M.A., D.D., F.A.G.S.,
Professor of Hebrew.

JOHN D. DETWILER, PH.D.,
Associate Professor of Zoology.

RALPH EVANS FREEMAN, M.A., B.LITT.,
Associate Professor of Economics.

FRED LANDON, M.A.,
Associate Professor of History.
Associate Professor of Library Science.

J. W. RUSSELL, M.A.,
Associate Professor of Geology.

JAMES A. SPENCELEY, M.A.,
Associate Professor of English.

IRA OWEN WADE, PH.D.,
Associate Professor of Romance Languages.

E. EVELYN ALBRIGHT, B.A.,
Assistant Professor of English.

*RAY LEROI ALLEN, M.A.,
Assistant Professor of Physics.

WILLIAM EDWIN COLLIN, L. ès L., M.A.,
Assistant Professor of Romance Languages.

W. CLIFFORD MARTIN, PH.D.,
Assistant Professor of English and History.

*JOHN RUSSELL, M.A., F.C.I.C.,
Assistant Professor of Chemistry.

ARTHUR WOODS, M.A.,
Assistant Professor of Mathematics.

DONALD S. AINSLIE, PH.D.,
Instructor in Physics.

RONALD ALEXANDER ALLEN, M.A.,
Instructor in German.

HELEN I. BATTLE, M.A.,
Instructor in Zoology.

JAMES W. BURNS, M.Sc., F.C.I.C.,
Instructor in Chemistry.

ANDRE CÉLIÈRES, B. ès L., B.Paed.,
Instructor in Romance Languages.

WILLENA FOSTER, M.A.,
Instructor in Physics.

E. P. W. MACDONALD, B.A.,
Instructor in Economics and Philosophy.

CLAUDE MCCALLUM, B.A.,
Instructor in Zoology.

JOHN H. MENNIE M.A., B.Sc., PH.D.,
Instructor in Chemistry.

JOHN D. RALPH, B.A.,
Instructor in Classics.

JOHN A. ROGERS, B.Sc.,
Instructor in Physics.

MARJORIE ROSS, B.A.,
Instructor in Library Science.

W. H. TRETHEWEY, M.A.,
Instructor in Romance Languages.

---

*On leave, 1925-26.

DOROTHY TURVILLE, PH.D.,
Instructor in Romance Languages.

ANSON B. WALKER, M.A.,
Instructor in Botany.

WILLIAM C. BENSON, C.A.,
Lecturer in Accounting.

E. W. EDWARDS, M.A., B.D., M.C.,
Lecturer in English.

DORIS LIDDICOATT, M.A.,
Lecturer in English.

W. F. MARSHALL,
Lecturer in Commercial Economics.

JEAN T. NEVILLE, M.A.,
Lecturer in English.

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

EDYTHE WYNNE-PRYCE,
Assistant in Physical Training.

GEORGE BLOOMFIELD SAGE, M.A., D.D.,
Lecturer in Philosophy.

JEAN I. WALKER,
Lecturer in Public Speaking.

MARION WRIGHTON, B.A.,
Lecturer in English.

HELEN M. ALLISON, B.A.,
Assistant in English.

HELEN B. BERDAN, B.A.,
Demonstrator in Botany.

PHILLIPS BURTON, B.A.,
Assistant in Commercial Economics.

MARGARET CRAWFORD, B.A.,
Demonstrator in Biology.

A. M. I. A. W. DURNFORD, B.A.,
Demonstrator in Physics.

KATE M. GILLESPIE, B.A.,
Assistant in Library Science.

ADELAIDE HAGGART, B.A.,
Demonstrator in Chemistry.

G. H. REAVELY, B.A.,
Demonstrator in Chemistry.

IDA GERTRUDE ROWNTREE, B.A.,
Assistant in Chemistry.

RHODA SCANLON, B.A.,
Assistant in Chemistry.

BEATRICE W. WELLING, M.A., B.SC.,
Assistant in Library Science

NELDA WRIGHT, B.A.,
Demonstrator in Biology.

Student Assistants

HARRY BALL,	*Geology*
ERIC BOCK,	*French*
R. C. BRADLEY,	*Chemistry*
A. GORDON CALDER,	*Botany*
MALCOLM CRAWFORD,	*Physics*
J. DEAN,	*Physics*
J. E. DURRANT,	*Mathematics*
STANLEY HALE,	*Chemistry*
L. MATHESON,	*Physics*
FRANCES MONTGOMERY,	*French*
GERTRUDE MOORE,	*Zoology*
L. RINN,	*French*
MARION STINSON,	*Mathematics*
VERDA VINCENT,	*Zoology*
GEORGE WARD,	*Chemistry*

Other Officials

MABEL HYND	*Secretary to the Dean* 234 St. George St. 1919
OLIVE M. HODGINS	*Stenographer in Dean's Office* 1149 Richmond St. 1924

Assumption College

Principal

VERY REV. D. L. DILLON, B.A.

Registrar

REV. V. L. KENNEDY, M.A.

Bursar

REV. J. S. NICHOLSON, M.A.

Officers of Instruction

*REV. LOUIS J. BONDY, M.A.,
Professor of French.
Lecturer in Modern Philosophy.

VERY REV. D. L. DILLON, B.A.,
Professor of Classics.
Lecturer in Mathematics.

REV. J. H. O'LOANE, B.A.,
Professor of Religious Knowledge.

REV. E. J. TIGHE, B.A.,
Professor of Metaphysics.

REV. CHARLES P. DONOVAN, B.A.,
Associate Professor of English.
Lecturer in Philosophy.

REV. PETER J. BART, M.A.,
Instructor in French.

REV. J. J. GLAVIN, B.A.,
Instructor in Religious Knowledge.

REV. V. J. GUINAN, B.A.,
Instructor in Philosophy.

REV. V. L. KENNEDY, M.A.,
Instructor in Classics.

REV. P. J. HOWARD, M.A.,
Lecturer in Public Speaking.

REV. T. J. MCDONALD, B.A.,
Instructor in Physics.

H. L. MCPHERSON, B.A.,
Instructor in English.

REV. J. S. NICHOLSON, M.A.,
Instructor in History.

REV. W. B. O'TOOLE, B.A.,
Instructor in Classics.

*On leave, 1925-26.

Ursuline College
(Brescia Hall)

Dean

M. M. ST. ANNE, M.A.

Registrar

*M. M. ST. MICHAEL, M.A

Officers of Instruction

M. M. CARMEL, M.A.,
Professor of English.

REV. A. P. MAHONEY,
Professor of Religious Knowledge.

RT. REV. D. O'CONNOR, B.C.L., S.T.L.,
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REV. J. H. POCOCK, B.A.,
Professor of Philosophy.

M. M. ST. ANNE, M.A.,
Professor of French.

*M. M. St. MICHAEL, M.A.,
Professor of History.

REV. F. J. BRENNAN, S.T.L.,
Associate Professor of Philosophy.

M. M. BONAVENTURE, M.A.,
Instructor in English and History.

REV. M. A. BRISSON,
Lecturer in Religious Knowledge.

REV. J. B. FFOULKES, J.C.D.,
Lecturer in Philosophy.

REV. W. T. FLANNERY, PH.L., S.T.D.,
Lecturer in Psychology.

REV. L. M. FORRISTAL, B.A.,
Lecturer in Philosophy.

M. MARIE, B.A.,
Instructor in French.

M. M. ST. JAMES, M.A.,
Instructor in English and History.

On leave, 1925-26.

Waterloo College

Dean
ALEXANDER O. POTTER, PH.D.

Registrar
REV. N. WILLISON, LITT.D.

Bursar
REV. C. H. LITTLE, B.A., D.D.

Librarian
REV. H. HENKEL

Officers of Instruction

ALEXANDER O. POTTER, PH.D.,
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Associate Professor of French.

ROY J. E. HIRTLE, M.SC.,
Associate Professor of Chemistry.
Associate Professor of Mathematics.

REV. SEWARD W. HIRTLE, B.A.,
Associate Professor of Classics.

REV. HERMAN SCHORTEN,
Associate Professor of German.

REV. N. WILLISON, LITT.D.,
Associate Professor of English.

REV. A. A. ZINCK, B.A., S.T.M., D.D.,
Associate Professor of Philosophy.
Associate Professor of Religious Knowledge.

REV. H. HENKEL,
Lecturer in Philosophy.
Lecturer in Hebrew.

REV. E. HOFFMAN, D.D.,
Lecturer in Religious Knowledge.

REV. C. H. LITTLE, B.A., S.T.M., D.D.,
Lecturer in Religious Knowledge.

R. G. RATZ, M.D.,
Lecturer in Public Health.

GERALD E. HAGEY,
Assistant in Physical Training.

Huron College

Principal

REV. CHARLES CAMERON WALLER, M.A., D.D., F.A.G.S.

Officers of Instruction

REV. FRANK ANDERSON, M.A., D.D.,
Professor of Biblical Greek.

REV. S. E. MCKEGNEY, B.A., M.C.,
Professor of Church History.

REV. C. CAMERON WALLER, M.A., D.D.,
Professor of Divinity.

VEN. ARCHDEACON G. B. SAGE, M.A., D.D.,
Professor of Apologetics.

Alma College

Principal

REV. PERRY S. DOBSON, M.A., D.D.

Officers of Instruction

REV. PERRY S. DOBSON, M.A., D.D.,
Professor of Classics.

MAY BELLE ADAMS, B.E.L.,
Instructor in Public Speaking.

HARRIET DOBSON, B.A.,
Instructor in French.

IVEAGH MUNRO,
Instructor in Physical Training.

OLIVE ZIEGLER, B.A.,
Instructor in English.
Instructor in Religious Knowledge.

REV. E. W. EDWARDS, M.A., B.D., M.C.,
Lecturer in Philosophy.

REGULATIONS

MATRICULATION

Subjects Pass Junior

A candidate for Pass Matriculation must write upon the examinations conducted by the Department of Education of Ontario in the following subjects of the Middle School:

Latin (Authors, one paper; Composition, one paper).
English (Literature, one paper; Composition, one paper).
History (British, one paper; Ancient, one paper).
Mathematics (Algebra, one paper; Geometry, one paper).

Any two of:

Greek (Authors, one paper; Composition, one paper).
French (Authors, one paper; Composition, one paper).
German (Authors, one paper; Composition, one paper).
Spanish (Authors, one paper; Composition, one paper).

or

Italian (Authors, one paper; Composition, one paper).
Experimental Science (Physics, one paper; Chemistry, one paper).

or

Agriculture (Part I, one paper; Part II, one paper).

In certain cases foreign students may present themselves for examination in their language instead of Greek or French or German or Spanish or Italian, when the language and the curriculum in that language have been approved by the Senate. The examination in an approved language consists of two papers similar in character to those in English.

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

Subjects Honour

A candidate for Honour Matriculation must write upon the examinations conducted by the Department of Education of Ontario in one or more of the following subjects of the Upper School:

Greek (Authors, one paper; Composition, one paper).
Latin (Authors, one paper; Composition, one paper).
English (Literature, one paper; Composition, one paper).
French (Authors, one paper; Composition, one paper).
German (Authors, one paper; Composition, one paper).
Spanish (Authors, one paper; Composition, one paper).
History (one paper).
Mathematics (Algebra, one paper; Geometry, one paper; Trigonometry, one paper).
Physics (one paper).
Chemistry (one paper).
Biology (Botany, one paper; Zoology, one paper).

These examinations, both Pass and Honour, are conducted by the Department of Education at various centres throughout the Province of Ontario in June of each year.

The September Matriculation Examinations have been withdrawn until further notice.

A candidate for Pass Matriculation will be allowed to write on one or more papers at a time in any order, and on obtaining at least fifty per cent. of the marks assigned to any paper will be given credit for having passed in such paper and will receive a certificate of such standing. *Percentages: Pass Junior*

A candidate for Honour Matriculation will be allowed to write on one or more papers at a time in any order.

In order to secure First Class Honours in a subject a candidate must obtain at one examination at least seventy-five per cent. of the marks assigned to that subject and at least fifty per cent. in each paper of that subject. *Percentages: Honour*

In order to secure Second Class Honours in a subject a candidate must obtain at one examination at least sixty-five per cent. of the marks assigned to that subject and at least fifty per cent. in each paper of that subject.

In order to secure Third Class Honours in a subject a candidate must obtain at one examination at least sixty per cent. of the marks assigned to that subject and at least fifty per cent. in each paper of that subject.

A candidate who fails to obtain First, Second or Third Class Honours in a subject under the above regulations, may secure credit for the subject by obtaining at least fifty per cent. on each paper of the subject, not necessarily at one examination. But see p. 34, first paragraph.

Such credit in a subject will be accepted by the University as covering the Honour Matriculation requirements with respect to that subject for admission to any faculty.

EQUIVALENT EXAMINATIONS

Certificates of having passed the subjects common to Pass or Honour Matriculation, and any of the following examinations will be accepted *pro tanto*, provided always that the standards of these certificates as to subjects and percentages meet the requirements of this University.

Province of Ontario—The examinations for Second or First Class Entrance to Normal Schools.

Province of Quebec—The Associate in Arts examination; Intermediate School Diploma.

Province of New Brunswick—The examination for Superior and Grammar School Licenses (Grades XI and XII).

Province of Nova Scotia—The Junior and Senior Leaving examinations (Grades XI and XII).

Province of Manitoba—Grade XI and Grade XII examinations.

Province of British Columbia—The Intermediate and Senior Grade examinations; Junior and Senior Matriculation examinations.

Province of Prince Edward Island—The First Class Teachers' License examination.

Province of Alberta—Grade XI and Grade XII examinations.

Province of Saskatchewan—The First and Second Class Teachers' examinations; the Senior and Junior Matriculation examinations.

Newfoundland—Associate in Arts examinations.

The local examinations conducted by the University of Oxford and the University of Cambridge may be accepted *pro tanto*.

ADMISSION

All intending students of The University of Western Ontario must secure application blanks for entrance sufficiently early to enable them to return the blanks and their qualifying certificates to the Registrar not later than September 11th.

General Course Candidates will be admitted to the General Course in Arts if they present certificates of complete Pass Junior Matriculation or the equivalent, as outlined above (p. 30).

Honour Courses: By Honour Matriculation Candidates presenting Upper School Certificates or the equivalent in at least four subjects, together with complete Pass Junior Matriculation, will be admitted to the Honour Course of the First Year in the Departments in the subjects of which their certificates show that they have obtained at least Third Class Honours (60 per cent.) in each subject.

Honour Courses: By First Year General

Students who have completed the first year of the General Course and who have obtained at least 60 per cent. of the aggregate marks in the work of that year may enter upon the first year of an Honour Course in any Department in which they have obtained 66 per cent. of the aggregate marks in the work of that Department. Candidates who wish to enter the Honour Course in Mathematics and Physics must have obtained 66 per cent. in Trigonometry of the second year as well as satisfied the above requirements.

Students who have obtained 60 per cent. of the aggregate marks in the work of the first year of the General Course will be admitted to the Honour Course in Philosophy and may complete the course in three years.

Honour Courses: By First and Second Years General

Students who have completed the first and second years of the General Course and who have obtained 60 per cent. of the aggregate marks in each year may enter upon the second year of an Honour Course in any subject in which they have obtained 66 per cent. of the aggregate marks in that subject in the first and second years, except in the courses in Mathematics and the Sciences.

Candidates asking admission on certificates other than those mentioned above must present the official evidence of their academic standing to the Registrar at least two weeks before the opening of the session that they wish to attend.

LENGTH OF COURSES

The General Course is a four-year course from Pass Junior Matriculation, but it can be completed in three years of satisfactory work by a student who presents a First Class Certificate, obtained at the examinations of the Department of Education of the Province of Ontario; see page 58. The Honour Courses, except as mentioned below, are five year courses from complete Pass Junior Matriculation or four year courses from Honour Matriculation in four subjects. The Honour Courses in Philosophy, Economic and Political Science require four years from complete Pass Junior Matriculation.

ADVANCED STANDING

From Collegiates

Candidates presenting Upper School certificates in Ancient or Modern Foreign Languages or Mathematics, or the recognized equivalents of such certificates, may be credited with the first year in the General Course in those subjects.

Standing in Upper School English will be accepted in lieu of standing in First Year English only for such candidates as present certificates showing (a) that they obtained at least 60% at the Upper School examination in English, and (b) that they also have standing in two additional Upper School subjects.

NOTE: The "subjects" of the Upper School are as follows:

English (2 papers)	Italian (2 papers)
Latin (2 papers)	Spanish (2 papers)
Greek (2 papers)	History (1 paper)
French (2 papers)	Mathematics (2 papers)
German (2 papers)	Science (2 papers)

From Universities

All applications for advanced standing, except on certificates indicated above, must be accompanied by official certificates from the institution where previous work has been done, and be presented to the Registrar not later than September 11. These official documents must include certificate of honorable dismissal from the institution last attended. No student can register in the University of Western Ontario if he cannot re-register in the institution from which he wishes to transfer.

SPECIAL STUDENTS

Students who are over twenty-one years of age, though they may not be able to present qualifications for admission to candidacy for degrees, 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 their classes. They will not be allowed to advance from year to year in a department without taking the regular examinations. Special students will not be admitted to more than ten credits of work in any year.

The special student who has satisfactorily completed the work of the first year in the General Course will be considered to have secured standing sufficient to permit his proceeding to a degree on the same terms as one who at entrance presents complete Pass Junior Matriculation.

EXAMINATIONS

General Course

Regular examinations will be held for the General Arts Course in January and in May. Students must obtain the required percentage, at least 50, both for the first and second term's work in each course.

Students in the General Course in Arts shall be ranked in order of merit in each course in five grades, A, B, C, D, E. The minimum for grade A shall be 70 per cent. of the marks; for grade B, 60 per cent.; all who secure less than 60 per cent. but not less than 50 per cent., the minimum for pass, will be placed in grade C. A mark that falls in class D, 40 to 49 per cent., entitles the student to a supplemental, subject to the regulations governing supplementals (see p. 36). Grade E, less than 40 per cent., indicates a total failure; this means that the course has to be repeated in class.

No student will be admitted to the degree of Bachelor of Arts in the 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 one-half the credits required for his degree and grade B on one-half the credits of the senior year.

Honour Courses

The regular examinations for the Honour Courses will be held in May; but where an Honour Course or a definite portion of an Honour Course has been completed by the end of the fall term the instructor may set a final examination on that portion of the work. This examination is to be held during the regular January examination period.

Candidates in the Honour Courses in any department will be ranked in order of merit in that department in four classes; those obtaining 75 per cent. or over of the total number of marks will be placed in Class I; those obtaining 67 per cent. and less than 75 per cent. will be placed in Class II; those who obtain 60 per cent. and less than 67 per cent. will be placed in Class III; those who obtain 50 per cent., the minimum for pass, but less than 60 per cent. will be placed in Class IV; but an average of Class IV over all the honour subjects of the fourth year will entitle the candidate to a General Course and not an Honour Degree.

Term Work

In all subjects of the General Course, except the Sciences, the ratio of term work marks to examination marks will be as 50 to 100. To pass, a student must obtain 50 per cent. on the whole of a subject, with 50 per cent. in term work and 50 per cent. in examination. In the Sciences the ratio of term work marks to examination marks is determined by the teaching staff in each subject.

In Honour Courses the ratio of term work marks to examination marks is determined by the teaching staff in the subjects involved.

Term work in a course will not be credited to a student beyond the year in which the course is taken.

SUPPLEMENTALS

A supplemental examination is an examination set on work in which a student has been conditioned. Such examinations will be held in September for those who have been conditioned in the first term or in the second term or in the work of the whole year in any course. (See first paragraph under **Failures.**)

A supplemental will be set in May for those candidates for graduation who have been conditioned in work of the first term of their final year. But these students are subject to the same restrictions as are here set down for all other students.

Supplemental examinations will not be allowed any one student in more than four credits of work.

Students conditioned at the January or May examinations will be expected to attempt to remove their conditions at the supplemental examinations of the September following such failure.

Students whose grade is E will not have the privilege of writing a supplemental. They must repeat the course in class.

No supplemental examination will be allowed in Honour subjects except in cases where Honour subjects are offered by General Course students to complete the necessary credit requirements of their course.

No special supplemental examination will be set within three months of failure.

FAILURES

General Course

Students who fail to obtain 50 per cent. in the regular or supplemental examinations in a course will 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 student to repeat such course the year after failure no matter what subject or subjects must be postponed to make this possible.**

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 interpretation and application of this rule rests with the Committee on Academic Standing.

A student, who, at the close of the September supplemental, has not obtained standing in at least two-thirds of the credits of his year will not rank as a student of the following year.

A student who for two consecutive years has failed to obtain credit in one-half the work for which he has registered each year will be automatically dropped from the University.

A student who has not been granted complete first year standing may not enter upon any work of the third year; a student who has not been granted complete second year standing may not enter upon any work of the fourth year.

Any student who at the midyear examinations of any year fails to get credit for one-half of the work for which he or she is registered will be automatically dropped from the University for the second term of that year, but may re-register for the following winter session. Such student will get no credit for the part of his or her work successfully carried in the first term.

Honour Course

A student, who, in an Honour Course, for two successive years averages below 60 per cent. in the honour subjects of his course, or who in honours in any one year gets no rating higher than 59 per cent. in the honour subjects of his year, shall be automatically transferred to the General Course, subject to such conditions and limitations as the Committee on Academic Standing may impose.

A candidate who competes for Honours at the examination for the degree of Bachelor of Arts and fails to obtain the requisite per cent. to entitle him to be classed in Honours may, on the recommendation of the Committee on Academic Standing, be awarded a degree in the General Course, it being the option of the candidate to accept the award of such degree or at a subsequent examination compete again for a degree in Honours.

A candidate who fails on the examination for the degree of Bachelor of Arts will be charged an additional fee of **five dollars** on each subsequent attempt.

ATTENDANCE AT LECTURES

Students who have attended less than 90 per cent. of the lectures in a course **for the term** shall be debarred from taking the regular examinations on that course.

APPEALS

Regulations have been made by the Senate governing appeals by students where such action is necessary. A copy of these regulations can be seen in the Registrar's office should occasion arise.

GENERAL

When a student begins a foreign language in the University, no credit towards a degree will be given for the first year of that language unless that year is followed by a second year in the same language.

Preparatory Greek is offered as an option in the first year of the General Course for students who present for entrance complete Pass Junior Matriculation without Greek. Credit towards a degree for this preparatory Greek will not be given unless it is supplemented by three years of College Greek, either New Testament or Classical.

No course that is an optional course need be given unless it is elected by at least five students.

THE B.A. EXTRAMURAL COURSE

The Department of Education of Ontario approves of a degree in this course as academic qualification for an ordinary High School Assistant's certificate.

An extramural course is one which a student may pursue without attendance upon classes (except as provided below), and in which he may write the examinations at the periods prescribed for resident students. The conditions for admission to such courses are the same as those required for admission to the intramural general courses (see page 32).

No extramural student is eligible for a degree, unless he has attended classes in this University for two academic years or one academic year and two summer schools, or the equivalent in summer sessions (6).

Extramural courses are of two kinds: (a) complementary extramural courses, and (b) pure extramural courses.

(a) Complementary Extramural Courses

1. A complementary extramural course is the extramural complement of a summer course and must be completed at the May examinations of the winter term following the summer term attended. Only by fulfilling this condition may a student proceed to the more advanced courses offered in the summer or winter terms.

2. Each summer term course, together with its complementary extramural course, is equal in credits to the subject of the B.A. intramural course that corresponds to it in prerequisites and in difficulty.

3. Students are eligible to begin a complementary extramural course when they have passed the 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.

(b) Pure Extramural Courses

Pure extramural courses are independent of attendance on classes and are open primarily to students who have completed six summer terms or their equivalent in the B.A. General Course or Honour Courses. Courses in the Sciences, in the elements of any foreign language, and all honour courses not also given as pass courses, may not be included among these courses. Students pursuing pure extramural courses are subject to the same regulations in regard to exercises, essays, examinations, etc., as those pursuing complementary extramural courses.

SUMMER SCHOOL

1. Each year University College offers a summer session in addition to the winter session. This opens in the first or second week in July and continues thereafter for six weeks, classes being held each day of the week. The curriculum of each subject offered in the summer session varies, according to the nature of the subject, from one-third to one-half of the curriculum of the same subject as offered in the winter session (see paragraphs 5 and 6).

2. The Summer School is organized especially in the interest of:

I. Teachers who wish to improve their scholarship.

II. Extramural students who find it difficult to give up a whole year at any one time to satisfy the residence requirements for a degree.

III. Students who have received conditions on the regular university work the preceding session; this is the only exception to the rule that no work in the Summer School will be accepted in lieu of any or all of any year's work in an intramural course.

3. Admission to the Summer School is granted on exactly the same terms as to any winter session.

4. Students who are not candidates for degrees may be admitted to certain courses if they are qualified to pursue these courses profitably. They are expected to conform to the same rules of attendance and of application to the work of the class as are laid down for students who are seeking credit.

5. Each summer term course, together with its complementary extramural course, is equal in content and credits to the subject of the B.A. intramural course that corresponds to it in prerequisites and in difficulty. With the exception noted in the next paragraph, the work of the summer session in each course counts as one-third or one-half of the requirements for the whole year in that course.

The whole of a course listed in the winter session as a one credit course is covered in the summer session in which the course is offered.

6. Since no extramural work is offered in the Sciences, a student desiring to obtain the equivalent of one year's work of the B.A. General Course in a Science Option must attend two summer sessions.

7. A student who attends six summer sessions and obtains twenty-four credits for work taken therein will be considered to have satisfied the residence requirement demanded for graduation from this University and, if possessed of proper entrance qualifications, may proceed to the degree of B.A. in an extramural course without further attendance.

8. The subjects offered in the Summer School are taken from the courses offered in the winter session to the General Course students and in the first and second years of the Honour Courses leading to Specialist Certificates of the Department of Education of Ontario. No work of the third and fourth years of any Honour Course will be offered in Summer School unless it is also part of the General Course.

Complete information concerning the Summer School and extramural work is contained in the Summer School Announcement and the Bulletin on Summer School and Extramural Work. These may be had by applying to the Registrar or the Director of Summer School and Extramural Department.

THE M.A. COURSE

Academic Qualification

Candidates must be graduates in Arts of this or some other accredited university with not lower than Second Class Honours (67 per cent.) in the Third and Fourth Years of a full Honour Course, or must have attained to the standing

in the General Course indicated in the section below, and subsequently have completed in attendance a year's work such as will in the opinion of the committees supervising their graduate study bring them up to the status of graduates in an Honour Course. This year cannot be counted as satisfying the attendance requirement (mentioned below) imposed on all candidates for the degree of Master of Arts.

Graduates in Arts of this University, who in the work of the last two years of the General Course obtained 66 per cent. of the aggregate possible marks, who did not fall below 60 per cent. in more than 6 credits and who obtained Grade A rank in at least 21 credits, of which 15 lie in the Faculty of Arts, may become candidates for the Degree of Master of Arts but they cannot hope to obtain the degree in less than two years of graduate study.

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 the two sections above.

Each candidate must register not later than October 1st; the candidate shall then be placed, by the Council of the Faculty of Arts, under the guidance of two of the professors in whose departments the work to be taken lies, who shall be responsible for conducting the examination and for reporting to the Faculty upon the result of the examination. The examination shall be given during the annual May examinations.

Attendance

All candidates must be in registered attendance in one of the Colleges of Arts of this University for at least one academic year, under the direction of the Council of the Faculty of Arts, though the work may be spread over two academic years at the option of the candidate.

Standards

All candidates must take a prescribed course, pass an examination therein and obtain at least Second Class Honours (67 per cent.) in it, if it lie in an Honour Department, or 70 per cent. if it lie in the General Course.

A candidate who passes the examinations of the Third and Fourth Years of the major subject or subjects of an Honour Course other than that in which he obtained Honours at graduation, and who obtains Second Class Honours (67 per cent.) therein and whose thesis is satisfactory, may be granted the Master's Degree.

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

Thesis

Each candidate shall present a thesis embodying the result of his own investigation. The subject of the thesis must lie in the Faculty of Arts and in that part of his course in which the candidate obtained at least 67 per cent. if in an Honour Course, or Grade A rank if in the General Course, in each of the Third and Fourth Years of his course.

Each candidate must submit to the committee appointed to supervise his work, through the Registrar, an outline of his proposed thesis, not later than January 1st.

A typewritten or printed copy of the completed thesis, bound in the form approved by the Librarian, must be in the hands of the Registrar not later than May 1st, and must be accompanied by the fee of **twenty dollars, ten dollars** of which will be returned to the candidate if unsuccessful.

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

THE LL.B. COURSE

The Degree of Bachelor of Laws will be conferred on candidates who present the following academic standing, and pay the fees pertaining to the course:

(a) An Honour Degree in the department of Economic and Political Science from the University of Western Ontario or some other acceptable university or college.

(b) A certificate of graduation from Osgoode Hall and of admission to the practice of law in the Province of Ontario or equivalent certificates.

(c) Examinations taken on a course of reading in the following: Domestic Relations, Medical Jurisprudence, Theory of Obligations, Contracts.

(d) An approved thesis, on an assigned subject.

MEDALS, SCHOLARSHIPS AND PRIZES

I. Undergraduate

UNIVERSITY

University Gold Medals for competition in the final year of the Honour Courses offered by University College of Arts, as follows:

Botany.
Chemistry.
Economic and Political Science.
English.
French.
General Science.
Geology.
German.
Greek.
History.
Latin.
Physics.
Spanish.
Zoology.

U. A. Buchner Gold Medal—Fourth Year Honour Mathematics.

Governor-General's Medal—Fourth Year General Course.

Typographical Union Medal—Second Year English Composition.

UNIVERSITY COLLEGE

Scholarships—Seventy-five Dollars each for the following:

FIRST YEAR HONOUR COURSES—

Department of Biology.
Chemistry.
Classics.
English and French.
English and German or Spanish.
French and German or Spanish.
Geology.
Mathematics and Physics.
Romance Languages.
General Science, including B.A., M.D.

SECOND YEAR HONOUR COURSES—

Department of Biology.
Chemistry.
Classics.
English and French.
English and German or Spanish.
French and German or Spanish.
Geology.
Mathematics and Physics.
Romance Languages.
General Science, including B.A., M.D.

THIRD YEAR HONOUR COURSES—

Department of Biology.
Chemistry.
Classics.
English and French.
English and German or Spanish.
French and German or Spanish.
Geology.
Mathematics and Physics.
Romance Languages.
General Science, including B.A., M.D.

Wyatt Scholarship, No. 1—Seventy-five dollars: in First Year Honour English and History.

Wyatt Scholarship, No. 2—Seventy-five dollars: in Second Year Honour English and History.

Wyatt Scholarship, No. 3—Seventy-five dollars: in Third Year Honour English and History.

Scholarships—Fifty dollars each in:

General Proficiency, First Year.
General Proficiency, Third Year.

Blake Scholarship, No. 1—Seventy-five dollars: Honour Economic and Political Science, Third Year.

Blake Scholarship, No. 2—Seventy-five dollars: Honour Economic and Political Science, Second Year.

Jewell Scholarship—General Proficiency, Second Year.

Khaki University Scholarship—Seventy-five dollars for the highest average obtained by an ex-service man in any year of any course in the University College of Arts.

Dean's Prize—Fifteen dollars: First Year Latin (Latin 10).

W. W. Tamblyn Prize—Twelve dollars: First Year Public Speaking (English 11).

Saunders Prize—A prize in books (the gift of C. E. Saunders, LL.D., of Ottawa) will be awarded annually in May to the student submitting the best original essay, short story or sketch in French. Information concerning the conditions of the competition may be obtained from the Registrar.

Sir Wilfrid Laurier Memorial Scholarship: The gift of the Women's Liberal Association of Ontario: value, $100.00; awarded annually for proficiency in French Conversation; open only to a Canadian born, English-speaking student, son or daughter of a naturalized British subject, not of French parentage.

Prizes—Ten dollars each in:

History 42, 43.
English 30.
History 30.
French 30.
Philosophy 30.
English 20.
Latin 20.
French 20.
English 10.
Mathematics 10, 12.
Physics 10.
Botany 10.
Zoology 10.
Chemistry 10.

Except in the case of fourth year awards, these Scholarships and Prizes 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.

URSULINE COLLEGE

Ursuline College of Arts offers Scholarships of the value of $150.00 each in all the years throughout the undergraduate course.

WATERLOO COLLEGE

Dr. M. J. Bieber Prize—Proficiency in English, Ten dollars.

Holy Trinity Brotherhood (New York City) Prize—Proficiency in Greek, Ten dollars.

Louis Peine Prize—Proficiency in German, Ten dollars.

Kitchener-Waterloo Rotary Club Gold and Silver Medals—Public Speaking.

Augustine Scholarship—General Proficiency, First year, Fifty dollars.

Kaufman Scholarship—General Proficiency, Second year, Fifty dollars.

Potter Scholarship—General Proficiency, Third year, Fifty dollars.

II. Graduate

Daughters of the Empire Overseas Scholarship.

As part of their War Memorial the Imperial Order Daughters of the Empire offer in each province in Canada a scholarship for post-graduate study in Britain. At present a scholarship is offered in each province once in two years; it will next be awarded to an Ontario candidate in 1926, for study during the academic year 1927-28. The value of the scholarship is $1,400, for one year.

These scholarships are subject to the following conditions:

(1) Candidates may be men or women. They must be British subjects, with at least five years' residence in Canada, and unmarried. Except in the case of a returned soldier, sailor or airman, they must have passed their 19th but not their 27th birthday in October of the year in which they begin their work in Britain. In the case of a returned man, he must not have passed his 29th birthday in October of the year in which he begins his work in Britain. Each candidate must either hold a degree from a University or College in the province in which he or she is making application, or be in his or her final year in a course proceeding to a degree.

(2) In each province a committee of selection will award the scholarship. Other things being equal, preference will be given to a returned man, his sister, son or daughter. The Committee will consider not only the academic record of the candidate, but his or her character, physical fitness, and promise.

(3) Applications for this scholarship should be sent, before October 25th, 1926, to the Provincial Educational Secretary, I.O.D.E., Y.W.C.A. Building, Hamilton, Ontario, who will provide additional information about the scholarships.

Federation Scholarship.

Value, one thousand dollars: the scholarship of the Federation of the University Women in Canada, available for study or research work, open to any woman holding a degree from a Canadian university. Preference will be given to candidates who have completed at least one or two years of graduate study and have a definite research in preparation. The award is based on evidence of character and ability of the candidate and promise of success in the subject to which she is devoting herself. Applications must be received not later than February 1st, each year, by the Convener of the Scholarship Committee, Mrs. Douglas Thom, 2220 16th Avenue, Regina, Sask.

The letter of application should contain an account of the applicant's educational training and a statement in full of the plan of study or research she intends to pursue. This information should be accompanied by:

1. A written statement from the President or Acting President of the college or university awarding the degrees held by the applicant to the effect that her application as a suitable candidate is approved.

2. Testimonials as to her health, character, ability and scholarship.

3. Theses, papers or reports of investigations published or unpublished. The Committee cannot assume any responsibility for collecting testimonials for an applicant.

These papers, etc., and letters submitted by the applicant will be returned if postage is sent for that purpose. Confidential letters sent are kept.

A candidate whose work is eminently satisfactory may be appointed for a second year.

The scholarship is payable in two equal instalments on July 1st and January 1st by the Treasurer of the Federation, provided the successful applicant sends her address for those dates.

III. Matriculation

I. O. D. E. War Memorial Bursary.

Two hundred and fifty dollars a year for four years.

Founded by the Imperial Order Daughters of the Empire, as part of their War Memorial.

Awarded to the candidate in either the Junior or Honour Matriculation examinations who, in the judgment of the Committee, best meets the purpose in view in the foundation of the Bursary. The candidate must be the son or daughter of a killed or permanently disabled soldier, sailor or member of the Air Force. The scholarship is tenable at any university in Ontario. The holder of the Bursary is granted exemption in University of Western Ontario from tuition fees up to fifty dollars a year for four years.

In awarding the scholarship, the committee of selection will take into consideraton the war service of the candidate and of members of his or her family, and, other things being equal, will give the preference to a returned man, his sister, or his child.

This scholarship will next be awarded to a candidate from Ontario in 1928. Application must be made by October, 1927.

Leonard Scholarship.

The income of the trust estate of $500,000, created by Lieut.-Col. and Mrs. R. W. Leonard, St. Catharines, Ontario, will be expended in paying the college expenses of selected students at several institutions of Canada, including the University of Western Ontario, for from one to four years. The details of qualification, and the procedure of application for these scholarships may be secured by corresponding with the trustees of the foundation, The Toronto General Trusts Corporation, Toronto, Ontario.

University College Pass Junior Matriculation Scholarships.

Two scholarships of $100.00 each will be awarded for highest standing on six papers of the June Pass Junior Matriculation or Middle School examinations. These papers must be written in the June examination in which the candidates complete the standing necessary for entrance to the University. The successful candidates must obtain an average of 75 per cent. or over on the six papers on which the award is made. Winners will receive free tuition up to seventy-five dollars per year for two years; total value of each scholarship, $250.00.

University College Honour Matriculation Scholarships.

I. Three General Proficiency scholarships of $100.00 each, on five departments of Upper School work:

(a) English, Latin, Mathematics (Algebra and Geometry only), History and one Foreign Language.
(b) English, Mathematics (Algebra, Geometry, Trigonometry), History and two Sciences.
(c) English, Mathematics (Algebra, Geometry, Trigonometry), History, a Science and a Language.

The winners will receive free tuition up to eighty-five dollars per year for four years in University College of Arts; total value of each scholarship, $440.00.

II. One General Proficiency scholarship of $75.00 on the following departments of Upper School work: English, Mathematics (Algebra and Geometry), Latin, one modern foreign language. This scholarship will be awarded after completion of registration each fall among the students registered in first year Honour Commercial Economics.

The winner will receive free tuition up to ninety dollars a year for three years in University College: total value of scholarship, $345.00.

III. Scholarships of $50.00 each, awarded on two Upper School Departments:

(a) Classics and Mathematics (Algebra and Geometry)
(b) English and Mathematics (Algebra and Geometry).
(c) French, German or Spanish, and Mathematics(Algebra and Geometry).
(d) English, French and German or Spanish.
(e) Mathematics (Algebra, Geometry and Trigonometry) and Physics.
(f) Biology, Physics and Chemistry.
(g) Biology, English or Mathematics (Algebra, Geometry and Trigonometry).
(h) Chemistry and English or Mathematics (Algebra, Geometry and Trigonometry).
(i) Classics, French and German or Spanish.
(j) Classics and English.

The winners of these scholarships will receive free tuition up to eighty-five dollars per year for two years in University College of Arts; total value of each scholarship, $220.00.

IV. Scholarships of $25.00 each on single subjects of the Upper School:

(a) Latin.
(b) Greek.
(c) English.
(d) Mathematics (Algebra, Geometry, Trigonometry).
(e) French.
(f) German.
(g) Biology.
(h) and (i) Two of History, Physics, Chemistry.

The winners of these scholarships will receive one year's tuition up to eighty-five dollars in University College of Arts. Total value of each scholarship, $110.00.

The scholarships in I, II, III and IV above will be awarded on the examinations of 1926. No scholarship will be awarded on a standing less than an average of First Class Honours (75 per cent.) on all the papers involved in the award of the scholarship.

V. Scholarships of free tuition up to $85.00 each year for two years for competition in each Collegiate Institute and High School in the Counties named in the University of Western Ontario Act, viz.: Essex, Kent, Elgin, Norfolk, Brant, Oxford, Middlesex, Lambton, Huron, Bruce, Grey, Perth, Wellington and Waterloo; and all the cities situated therein. The successful candidates must have an average of at least Second Class Honours (65 per cent.) in nine papers of the Upper School examination written in June of the year of the award. The successful candidate must pursue an Honour Course at University College, University of Western Ontario, beginning the fall following the award.

Candidates must notify University of Western Ontario by May 15th (on forms provided on request) of their intention to compete for scholarships the following June.

Ursuline College

The Ursuline College of Arts offers the following scholarships for competition among the students of Matriculation classes:

The Bishop Fallon Partial Residence Scholarship, No. 1	$150.00
The Bishop Fallon Partial Residence Scholarship, No. 2	150.00
The Philip Pocock Partial Residence Scholarship.....	150.00
The Josephine Gaukler Memorial Partial Residence Scholarship.....	150.00
The Brescia Hall Students' Residence Scholarship.....	150.00

These scholarships will be awarded to the girl students who write at least six papers, obtain the highest average in the Pass or Honour Matriculation examination, and fulfill the requirements for admittance to the Faculty of Arts, as specified in the calendar of the University of Western Ontario.

Those wishing to enter this competition must make application before May 15th, and must state the centre at which they will write the Matriculation examination.

Address all communications about Ursuline College scholarships to

THE REGISTRAR,
"Brescia Hall," University Sub-Station,
London, Ontario.

HIGH SCHOOL ASSISTANTS' CERTIFICATES

I. ORDINARY CERTIFICATES

The academic standing for admission to the course leading to an Ordinary High School Assistant's Certificate is a degree in Arts from a British University, based upon courses approved by the Minister of Education.

II. SPECIALIST CERTIFICATES

Subject to the conditions specified below, the academic standing for admission to the courses leading to High School Specialist Certificates in Classics, English and French, English and German or Spanish, French and German or Spanish, English and History, Mathematics and Physics, Science and Household Science is an Honour degree in Arts from any one of: the University of Toronto, Queen's University, McMaster University and the University of Western Ontario.

1. The courses in the departments specified above shall be the Honour Courses as defined in the Calendars of the respective Universities for the year 1920-21. After due notice from any one of the four Universities, the Minister may accept modifications of its courses for Specialist standing. (The Minister has approved of the courses in the Calendar of University of Western Ontario for 1923-24, instead of 1920-21. These are the same as the courses in this announcement).

2. Honour degrees in Arts from other British Universities on courses which are deemed to be the equivalent of those prescribed in the calendars of the four Ontario Universities may be accepted for Specialist standing.

3. The courses shall extend over at least five years from Pass Matriculation or, as may be determined under the regulations of the University concerned, over four years from Honour Matriculation in four subjects.

4. Candidates shall attend for at least two full academic years—the third and the fourth. Under the direction of the University, the rest of the course may be taken by Summer School and extramural study.

5. The standard for each year shall be that prescribed by the University for candidates taking Honour Courses with the additional provision that in the final Honour work of the department in which Specialist standing is sought, the standard shall be at least Second Class Honours (67 per cent.).

6. The Minister shall have authority to deal with any case not covered under the above. Each University shall submit to the Minister a recommendation on any case whose merits justify special consideration.

PUBLIC SCHOOL INSPECTOR'S CERTIFICATE

By agreement with the Minister of Education a candidate who can present a certificate from the University of Western Ontario that he has fulfilled the requirements mentioned below will be considered to have secured the academic standing necessary for a Public School Inspector's Certificate.

(1) An Honour Degree in Arts in accordance with the present agreement as prescribed for Specialist qualification, or

(2) A Pass (or General Course) Degree in Arts with a standard of 66% at the final examination for the degree with standing in English for each of the four years.

A candidate shall extend his course over at least four years from Junior Matriculation and he shall attend the University Classes (a) for at least two complete sessions approved by the University or (b) for at least one complete session, and two complete sessions of the Summer School, or the equivalent thereof, with the supervision prescribed by the scheme agreed upon between the Department and the University.

Public and Separate School teachers who have had at least ten years' experience and who have had eminent success as certified by the local Inspector and approved by the Chief Inspector of Public and Separate Schools may substitute for the two complete University sessions required under (a) above, at least four complete summer sessions.

FEES

Tuition fees in full will be paid on Registration Day. If paid in two instalments, the first instalment will be payable Registration Day; the second instalment on or before the first day of the second term. All other fees, except examination fees, are payable Registration Day. Students must register and pay the fees for examination before presenting themselves for any papers.

All checks presented must be certified and made payable to "The University of Western Ontario."

The following fees are payable to the Executive Secretary:—

First Registration (for all students on entering)	$ 5 00
Tuition, pass course, including examinations, one payment	75 00
Two payments per year, first $38.00, second $40.00	78 00
Tuition, honour course, including examination, one payment	85 00
Two payments per year, first $43.00, second $45.00	88 00
Tuition, Commercial Economics, including examination, one pay..	90 00
Two payments per year, first $45.00, second $48.00	93 00
Tuition, Premedical, including examination, one payment	90 00
Two payments per year, first $45.00, second $48.00	93 00
Tuition, for course for Master of Arts degree, in one year	90 00
In two years, $45.00 each year	90 00
Tuition, special student, each credit, including examination	6 00
Tuition, Summer School, each credit	10 00
Maximum	30 00
Tuition, Extramural annual fee, including examination	25 00
Examinations, Supplemental, each paper, September or May	5 00
Maximum	15 00
Examinations, at dates other than January, May or September	15 00
Examinations, Summer School, each	3 00
Maximum	10 00
Examination, establishing outside centre	10 00
Presiding Examiner's fee, etc. (at outside centre), per half day	3 00
Library Deposit fee (extramural students outside London)	5 00
Change of Faculty	5 00
Change of Registration, after one week from Registration Day	1 00
Admission *ad eundem statum*	5 00
Late Registration, first week (see also page 5)	2 00
Undergraduate Certificate of Standing	3 00
Graduate detailed certificate (after the first two)	2 00
Athletic Association, each year	10 00
Students' Administrative Assembly Fee, each year	5 00
Caution Money (1), each year	5 00
Microscope Rental, each instrument, each year	5 00
Laboratory Fee, each Science, full course	4 00
Half course	2 00
Caution Fee (1), Physics, Chemistry, each course	5 00
Caution Fee (1), Botany, Geology, Zoology, each course	2 00
Degree of B.A., (2), payable May 1st	10 00
Degree of M.A., (2), payable May 1st	20 00
Degree of B.Sc., payable May 1st	10 00
Degree of M.Sc., payable May 1st	20 00
Degree of LL.B., payable May 1st	20 00
Degree of B.D., payable May 1st	24 00

NOTE—(1) Caution money, minus deduction for breakage, etc., will be returned at end of year. (2) See pages 37, 42.

REQUIREMENTS FOR DEGREES

Explanation of Number System

First year general courses are numbered between 10 and 19; first year honour courses between 100 and 199.

Second year general courses are numbered between 20 and 29; second year honour courses between 200 and 299.

Third year general courses are numbered between 30 and 39; third year honour courses between 300 and 399.

Fourth year general courses are numbered between 40 and 49; fourth year honour courses between 400 and 499.

Graduate courses are numbered between 500 and 599.

Courses numbered between 1 and 9 are preparatory courses equivalent to matriculation work in the same subjects.

A course whose number is followed by -a is given in the first term only; followed by -b, in second term only.

B.A. GENERAL COURSE I.

The Department of Education of Ontario approves of a degree in any of the General Courses as academic qualification for an ordinary High School Assistant's Certificate.

In either the first or second year a student must secure credit for at least one Science option.

First Year

For number system, see above.

Subject	*Hours Per Week*	*Credits*
English 10	2	2
English 11	1	1
English 12	1	1
Latin 10	3	3
Mathematics 10a, 12b	3	3
Public Health and Bacteriology 10	1	1
Library Science 10a	1	½
Physical Training 10 or 11	2	1
And at least *three* credits from the following:		
Greek 1	3	3
German 1	3	3
French 10	3	3
German 10	3	3
Greek 10	3	3
Hebrew 10	3	3
Botany 10	6	4
Zoology 10	6	4
Chemistry 11	6	4
Physics 10	5	3
Italian 100	3	3
Spanish 100	3	3
History 105	2	2

Second Year

English 20	2	2
English 21	1	1
English 22	1	1
Latin 20	3	3
Physical Training 20 or 21	2	1

Subject	*Hours Per Week*	*Credits*
And any *nine* credits from the following:		
History 20	3	3
Mathematics 20a, 24b	2	2
Mathematics 25a and 25b (Astronomy)	2	2
Mathematics 23b or 27b	2	1
French 20	3	3
German 20	3	3
Greek 20	3	3
Hebrew 20	3	3
Botany 20	6	4
Zoology 20 or 22	6	4
Chemistry 22	6	3
Physics 20	5	3
Geology 20	4	3
Economics 20	2	2
Philosophy 20	1	1
Philosophy 21	1	1
Italian 200	3	3
Spanish 200, 201	3	3
†Religious Knowledge 20 or 29	1	1
†Religious Knowledge 21	1	1
*History 105	2	2
*French 10	3	3
*German 10	3	3
*Greek 10	3	3
*Hebrew 10	3	3
*Botany 10	6	4
*Zoology 10	6	4
*Chemistry 11	6	4
*Physics 10	5	3
*Italian 100	3	3
*Spanish 100	3	3
Third Year		
English 30	3	3
History 30	3	3
Philosophy 30	2	2
Philosophy 31	1	1
And at least *six* credits from the following:		
French 30	3	3
German 30	3	3
Greek 30	3	3
Hebrew 30	3	3
Latin 30	3	3
Economics 30	2	2
Physical Training 30-40 or 31-41	2	1
Botany 30	6	4
Zoology 30, or 31, or 32, or 33	6	4
Zoology 34	2	2
Chemistry 33	5	3
Physics 30	3	1
History 31	2	2

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

†Offered by Assumption, Ursuline and Waterloo Colleges only.

Subject	*Hours Per Week*	*Credits*
Spanish 300, 301	3	3
Geology 30	4	3
English 31 or 33	2	2
†Religious Knowledge 30	1	1
†Religious Knowledge 31 or 39	2	2
*History 20	3	3
*Mathematics 20a, 24b	2	2
*Mathematics 25a, 25b (Astronomy)	2	2
*Mathematics 23b or 27b	2	1
*French 20	3	3
*German 20	3	3
*Greek 20	3	3
*Hebrew 20	3	3
*Botany 20	6	4
*Zoology 20 or 22	6	4
*Chemistry 22	6	3
*Physics 20	5	3
*Geology 20	4	3
*Economics 20	2	2
*Philosophy 20	1	1
*Philosophy 21	1	1
*Italian 200	3	3
*Spanish 200, 201	3	3
Fourth Year		
English 40, 41	3	3
History 40	3	3
History 42, 43	3	3
And at least *six* credits from the following:		
French 40	3	3
German 40	3	3
Greek 40	3	3
Latin 40	3	3
Hebrew 40	3	3
Spanish 400, 401	3	3
History 44	2	2
Physical Training 30-40 or 31-41	2	1
Economics 40	2	2
Geology 40	5	3
Chemistry 404	5	3
Botany 40	6	4
Philosophy 40	2	2
†Religious Knowledge 40 or 49	2	2
†Religious Knowledge 41	1	1
‡Philosophy 45 (Metaphysics)	1	1
*Latin 30	3	3
*Greek 30	3	3
*French 30	3	3
*German 30	3	3
*Hebrew 30	3	3

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

†Offered by Assumption, Ursuline and Waterloo Colleges only.

‡Available only at Ursuline College.

Subject	*Hours Per Week*	*Credits*
*Economics 30	2	2
*Botany 30	6	4
*Zoology 30, or 31, or 32, or 33	6	4
*Zoology 34	2	2
*Chemistry 33	5	3
*Physics 30	3	1
*Spanish 300, 301	3	3
*Geology 30	4	3
*English 31 or 33	2	2
*History 31	2	2

B.A. GENERAL COURSE II

Requirements for Admission—Complete Pass Junior Matriculation and a First Class Certificate.

Candidates who present a First Class Certificate (or the equivalent) obtained at the examinations set by the Department of Education of Ontario will be admitted to the degree of Bachelor of Arts (General Course) on completing the following schedule:

First Year

English 20, 11, 22	4	4
Latin 10 or 20	3	3
Public Health and Bacteriology 10	1	1
Library Science 10a	1	½
Physical Training 10 or 11	2	1
Botany or Zoology, or Physics, or Chemistry	6	4
From Options of First or Second Year	3	3

Second Year

English 30, 21,	4	4
Physical Training 20 or 21	2	1
History 30	3	3
Philosophy 30	2	2
Philosophy 31	1	1
Five Credits from Second or Third Year, in which must be Latin 20 if not previously taken	5	5

Third Year

English 40, 41	3	3
History 40	3	3
History 42, 43	3	3
Six Credits from the Options of the Second, Third or Fourth Year, chosen so that they do not clash on either Class or Examination Time Table	6	6

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

B.A. GENERAL COURSE III

Library and Secretarial Science

Requirements for Admission—Complete Pass Junior Matriculation.

First Year

Subject	*Hours Per Week*	*Credits*
English 10, 11, 12	4	4
Latin 10	3	3
Mathematics 10a, 12b	3	3
Public Health and Bacteriology 10	1	1
Library Science 10a	1	½
Physical Training 10 or 11	2	1
One of:		
French 10	3	3
German 10	3	3
Spanish 100	3	3
Library and Secretarial Science 11	2	1
Library and Secretarial Science 18, 19	4	2

Second Year

English 20, 21, 22	4	4
Commerce 107	1	1
Economics 20	2	2
One of:		
Physics 10	5	3
Chemistry 11	6	4
Botany 10	6	4
Zoology 10	6	4
Geology 20	4	3
One of:		
French 20	3	3
German 20	3	3
Spanish 200, 201	3	3
Physical Training 20 or 21	2	1
Library and Secretarial Science 27	4	2
Library and Secretarial Science 28, 29	4	2

Third Year

English 30	3	3
English 32	1	1
History 30	3	3
Philosophy 30	2	2

Subject	*Hours Per Week*	*Credits*
Any one of:		
French 30	3	3
German 30	3	3
Spanish 300, 301	3	3
Library and Secretarial Science 31, 35	6	3

Fourth Year

English 40, 41	3	3
History 40	3	3
Any one of:		
French 40	3	3
German 40	3	3
Spanish 400, 401	3	3
Library and Secretarial Science 41 or 45	9	6

B.A. GENERAL COURSE IV

Theological Options

Requirements for Admission—Complete Pass Junior Matriculation.

The following is the prescribed course accepted by the University for students registered with recognized Theological bodies who wish to take advantage of the options offered by Huron College.

A student who presents Honour Matriculation in English, Mathematics, Latin and Greek may reasonably expect to complete this course in three years.

A student who presents Matriculation in Greek will take Hebrew 10 in the first year and 20 in the second year.

First Year

English 10, 11, 12	4	4
Latin 10	3	3
Mathematics 10a, 12b	3	3
Public Health and Bacteriology 10	1	1
Library Science 10a	1	½
Physical Training 10 or 11	2	1
Greek 1	3	3
History 105	2	2

Second Year

English 20, 21, 22	4	4
Philosophy 21	1	1
Physical Training 20 or 21	2	1
Economics 20	2	2
History 20	3	3
Greek 25	3	3
Hebrew 10	3	3

Third Year

Subject	*Hours Per Week*	*Credits*
English 30	3	3
Economics 300, 302b	4	3
History 30, 31	5	5
Philosophy 20	1	1
Apologetics 30, or 31 and 32	2	2
Greek 35	3	3

Fourth Year

English 40	2	2
Church History 30	2	2
History 40	3	3
Church History 40 or 41 or 42	2	2
Economics 400, 401, 403a	5	5
Biblical Literature 30, 31, 40, 41	4	2
Greek 45	3	3

BACHELOR OF SCIENCE (IN NURSING) COURSE

Requirements for Admission—Complete Pass Junior Matriculation.

The length of this course will be five calendar years. The course is made up of three parts as follows:

(a) Twenty-eight months in a hospital where there shall be a course that is in all its details approved by the Committee of which the Dean of the Faculty of Public Health is Convenor.

(b) Two years in the Colleges of Arts in which the following shall be taken:

First Year

English 10, 11, 12	4	4
Library Science 10a	1	½
One Modern Language	3	3
History 105	2	2
Economics 20	2	2
One of:		
Mathematics 10a, 12b	3	3
Latin 10	3	3
Physical Training 10	2	1

Second Year

English 20, 21, 22	4	4
Philosophy 21	1	1
Modern Language of First Year continued	3	3
History 31	2	2
History 42, 43	3	3
Philosophy 30, or English 31, or 33	2	2

(c) One year of eight months to be spent in a course for Public Health Nurses or Hospital Administration or Hospital Instruction. (See Announcement of Institute of Public Health, of the University of Western Ontario).

NOTE—The four months between the two years of (b) and the four months between the completion of (b) and the beginning of (c) shall be spent in Hospital or Field work, for which the approval of the Dean of the Faculty of Public Health of this University must have been previously secured.

No conditions can be carried from Part (a) to Part (b) or from Part (b) to Part (c) of this course.

THE B.A. HONOUR COURSES

Department of Biology

Requirements for Admission—Complete Pass Junior Matriculation and Honour Matriculation in English, Mathematics (Algebra, Geometry and Trigonometry); one of French or German; either Biology or Physics or Chemistry.

This course satisfies the academic requirements for the Science Specialist Certificate of the Department of Education of Ontario. For conditions, see page 52.

First Year

Subject	*Hours Per Week*	*Credits*
Library Science 10a	1	½
Physical Training 10 or 11	2	1
French 1 or German 1 (the one not taken at Matriculation)	3	3
Mathematics 20a, 24b	2	2
Botany 100 (one term)	6	2
Chemistry 101	6	4
Geology 100	4	3
Physics 100	5	3
Zoology 100 (one term)	6	2

Second Year

Physical Training 20 or 21	2	1
English 20, 11, 22	4	4
German 10 or French 10 (language taken in first year)	3	3
Botany 200 (one term)	8	2½
Chemistry 303	5	3
Physics 201, 202	9	5½
Zoology 200 (one term)	8	2½

Third Year

Subject	*Hours Per Week*	*Credits*
English 21	1	1
French 35	1	1
German 35	1	1
History 42, 43	3	3
Botany 300 (one term)	8	2½
Botany 301 (one term)	8	2½
Botany 305 (collection)	..	..
Chemistry 404	5	3
Zoology 300	8	5
Zoology 305 (collection)	..	..

Fourth Year

Any one of the three following options may be taken:

1. GENERAL BIOLOGY

French 45	1	1
German 45	1	1
Botany 401 (one term)	8	2½
Botany 402 (one term)	8	2½
Botany 403 (one term)	8	2½
Botany 405 (collection)	..	..
Zoology 400	2	2
Zoology 401 (one term)	8	2
Zoology 402 (one term)	8	2
Zoology 403 (one term)	8	2
Zoology 404 (one term)	8	2
Zoology 405 (collection)	..	..

2. BOTANY OPTION

German 45	1	1
French 45	1	1
Zoology 400	2	2
Botany 401 (one term)	8	2½
Botany 402a	8	2½
Botany 402b	8	2½
Botany 403a	8	2½
Botany 403b	8	2½
Botany 405 (plant collection)	..	..

3. ZOOLOGY OPTION

French 45	1	1
German 45	1	1
Zoology 400	2	2
Zoology 401	8	4
Zoology 403 (one term)	8	2
Zoology 404 (one term)	8	2
Zoology 405 (collection)	..	..
Zoology 406 or 407	4	2
Zoology 408	4	2

Department of Chemistry

Requirements for Admission—Complete Pass Junior Matriculation with Honour Matriculation in English and Mathematics (Algebra, Geometry, Trigonometry); one of French or German; Chemistry and Physics.

NOTE:—If Botany 100 and 200 and Zoology 100 and 200 are substituted for Geology 300 and 400, this course will be accepted by the Ontario Department of Education for the Science Specialist Certificate. It will also be accepted by the Department of Chemistry for Honours in Chemistry.

First Year

Subject	*Hours Per Week*	*Credits*
English 11	1	1
French 1 or German 1 (one not taken before)	3	3
Library Science 10a	1	½
Mathematics 20a, 24b	2	2
Geology 100	4	3
Chemistry 101	6	4
Chemistry 111	4	2
Physics 100	5	3
Physical Training 10 or 11	2	1

Second Year

English 20, 22	3	3
French 10 or German 10 (first year continued)	3	3
Physics 201, 202	9	5½
Chemistry 222	10	5
Chemistry 303	6	4
Physical Training 20 or 21	2	1

Third Year

~~English 21~~	1	1
Economics 20	2	2
French 35	1	1
German 35	1	1
History 31	2	2
Geology 300	6	4
Chemistry 333	5	3
Chemistry 334	8	5

Fourth Year

French 45	1	1
German 45	1	1
Geology 400	5	4
Chemistry 444	8	5
Chemistry 445	9	5
Chemistry 448	1	1

Department of Classics

Requirements for Admission—Complete Pass Junior Matriculation, with Honour Matriculation in Latin, Greek, English and Mathematics (Algebra and Geometry).

This course satisfies the academic requirements for the Classics Specialist Certificate of the Department of Education of Ontario. For conditions, see page 52.

First Year

Subject	*Hours Per Week*	*Credits*
Library Science 10a	1	½
English 11	1	1
Botany 10 or Zoology 10	6	4
French 10 or German 10 or Hebrew 10	3	3
Physical Training 10 or 11	2	1
Latin 110	4	4
Greek 110	4	4

Second Year

English 20, 21, 22	4	4
French 20 or German 20 or Hebrew 20	3	3
Physical Training 20 or 21	2	1
Latin 220, 225, 230	4	4
Greek 220, 225, 230	4	4

Third Year

English 30	3	3
Philosophy 30	2	2
Latin 330, 335, 340	5	5
Greek 330, 335, 340	5	5

Fourth Year

History 42, 43	3	3
Latin 440, 441, 442, 445	6	6
Greek 440, 441, 442, 445	6	6

Department of Commercial Economics

Requirements for Admission—First year of the General Art Course, or complete Pass Junior Matriculation and Honour Matriculation in English, Mathematics (Algebra and Geometry), Latin and one modern foreign language.

In order that a student may pass from year to year in this course, Third Class Honour standing (60 per cent.) in each of the courses in Economic and Political Science and Commerce is demanded.

First Year

English 20, 11, 22	4	4
Economics 200	2	2
Economics 202b	2	1

Subject	*Hours Per Week*	*Credits*
Commerce 107	1	1
Commerce 109b	2	1
One of:		
French 20	3	3
German 20	3	3
Spanish 200, 201	3	3
One of:		
Physics 10	5	3
Chemistry 10	6	4
Zoology 10	6	4
Botany 10	6	4
Geology 20	4	3
Physical Training 20 or 21	2	1
Second Year		
English 21, 32 (Business English)	2	2
Economic and Political Science 300	2	2
Economic and Political Science 301a	2	1
Economic and Political Science 303b	2	1
Commerce 200	3	3
Commerce 201a	2	1
Commerce 207a	2	1
Commerce 211b	2	1
Commerce 217b	2	1
One of:		
Mathematics 20a, 24b, 27b	3	3
History 30	3	3
Philosophy 30, 31	3	3
English 30	3	3
French 30	3	3
German 30	3	3
Spanish 300, 301	3	3
Third Year		
History 404	2	2
Economic and Political Science 400	2	2
Commerce 300	3	3
Commerce 301a	1	1
Commerce 302a	2	1
Commerce 305a	3	1½
Commerce 309b	3	1½
Commerce 312b	2	1½
Commerce 315b	3	1½
Fourth Year		
Commerce 400	..	3
Commerce 401	3	3
Commerce 409	3	3
Commerce 491	..	3
Any *three* credit option from General Course in Arts for which candidate has prerequisites	3	3

Apply to Registrar for Special Commerce Announcement.

Proj Programme
Recommended
for 1927-28

Department of Economic and Political Science

Entrance Requirements—Complete Pass Junior Matriculation.

A student who presents at entrance Honour Matriculation in English, Mathematics (Algebra and Geometry), Latin and either French or German may reasonably expect to complete this course in three years.

First Year

Subject	*Hours Per Week*	*Credits*
English 10, 11, 12	4	4
French 10 or German 10	3	3
Latin 10	3	3
Mathematics 10a, 12b	3	3
Public Health 10	1	1
Library Science 10a	1	½
Physical Training 10 or 11	2	1
History 105	2	2

Second Year

English 20, 21, 22	4	4
French 20 or German 20	3	3
Philosophy 21	1	1
Physical Training 20 or 21	2	1
Economic and Political Science 200, 201, 202	6	4
History ~~200~~ 30	3	3
Commerce 109b	2	1

Third Year

French 30 or German 30	3	3
*Philosophy 30	2	2
~~English 30~~		
Economic and Political Science 300, 301, 302, 303, 304		
History ~~300~~ 40	3	3

Fourth Year

340 or German 40 or Hist 42, 403	3	3
*History 31, 44	4	4
Econ. and Pol. Science 400, 401, 402, 403, 404 or 405	8	8
Three credits from:		
~~Commerce 207, 217~~	2	2
~~English 408~~	1	1
~~French 40~~	3	3
German 40	3	3
History ~~42~~, 43	3	3

*Students contemplating the study of law may substitute Government and Law 305, 306 and 307 for Philosophy 30: and Government and Law 405, 406, 407 and 408 for History 31 or 44.

Department of English and History

Requirements for Admission—Complete Pass Junior Matriculation and Honour Matriculation in English, Mathematics (Algebra and Geometry only), and any two of Latin, Greek, French, German.

This course satisfies the academic requirements in English and History for the Specialist Certificate of the Department of Education of Ontario, except that for this purpose Hebrew may not be chosen as one of the minor honour subjects. For conditions, see page 52.

First Year

Subject	*Hours Per Week*	*Credits*
Library Science 10a	1	½
Physical Training 10 or 11	2	1
Botany 10 or Zoology 10 or Physics 10 or Chemistry 11	6	4
History 105	2	2
English 100, 102	3	3
Any *two* of:		
Latin 110	4	4
Greek 110	4	4
French 100, 101	4	4
German 100 or Spanish 100	3	3
Hebrew 100	4	4

Second Year

Physical Training 20 or 21	2	1
Philosophy 21	1	1
History 200	3	3
English 200, 202, 220	5	5
Any *two* of:		
Latin 220, 225, 230	4	4
Greek 220, 225, 230	4	4
French 200, 201	4	4
German 200, 201 or Spanish 200, 201, 202	4	4
Hebrew 200	4	4

Third Year

Economic and Political Science 20	2	2
History 300	3	3
History 301	2	2
English 300, 301, 341, 343	7	7
Any *one* of:		
Latin 330, 335	3	3
Greek 330, 335	3	3
French 300	3	3
German 300, 301 or Spanish 300, 301	3	3
Hebrew 300	4	4

Fourth Year

History 400	3	3
History 402, 403	3	3
History 404	2	2
English 400	2	2
English 401	2	2
English 402	2	2
English 403a	2	1
English 404b	2	1

German 100.
4 hours.

Department of English and French

Requirements for Admission—Complete Pass Junior Matriculation and Honour Matriculation in English, Mathematics (Algebra and Geometry only), French and either German or Latin.

This course is accepted by the Department of Education of Ontario as academic qualification for the Specialist Certificate in English and French. For conditions, see page 52.

First Year

Subject	*Hours Per Week*	*Credits*
Library Science 10a	1	½
Latin 10	3	3
Botany 10 or Zoology 10 or Physics 10 or Chemistry 11	6	4
Physical Training 10 or 11	2	1
French 100	4	4
English 100, 102	3	3
German 100 or Spanish 100	3	3

Second Year

Latin 20	3	3
Physical Training 20 or 21	2	1
French 200, 201	4	4
German 200, 201, or Spanish 200, 201, 202	4	4
English 200, 202, 220	5	5

Third Year

History 30, 31	5	5
French 300, 301, 302	5	5
English 300, 301, 341, 343	7	7

Fourth Year

History 40	3	3
French 400, 401, 402	6	6
English 400, 401, 402, 403a, 404b	8	8

Department of English and German or Spanish

Requirements for Admission—Complete Pass Junior Matriculation and Honour Matriculation in English, Mathematics (Algebra and Geometry only), French, and German or any other one subject.

This course is accepted by the Department of Education of Ontario as academic qualification for a Specialist Certificate in English and German or Spanish. For conditions see page 52.

First Year

Library Science 10a	1	½
Latin 10	3	3
Botany 10 or Zoology 10 or Physics 10 or Chemistry 11	6	4
Physical Training 10 or 11	2	1
German 100 or Spanish 100	3	3
English 100, 102	3	3
French 100	4	4

Second Year

Subject	*Hours Per Week*	*Credits*
Latin 20	3	3
Physical Training 20, or 21	2	1
French 200, 201	4	4
German 200, 201 or Spanish 200, 201, 202	4	4
English 200, 202, 220	5	5

Third Year

History 30, 31	5	5
German 300, 301, 310 or Spanish 300, 301, 302	5	5
English 300, 301, 341, 343	7	7

Fourth Year

History 40	3	3
German 400, 401, 402 or Spanish 400, 401, 402, 403	6	6
English 400, 401, 402, 403a, 404b	8	8

Department of English and Latin

Requirements for Admission—Complete Pass Junior Matriculation and Honour Matriculation in English, Mathematics (Algebra and Geometry only), Latin and any other one subject.

First Year

Library Science 10a	1	½
Physical Training 10 or 11	2	1
Botany 10 or Zoology 10 or Physics 10 or Chemistry 11	6	4
French 10 or German 10	3	3
Greek 1	3	3
English 100, 102	3	3
Latin 110	4	4

Second Year

Physical Training 20 or 21	2	1
French 20 or German 20	3	3
Greek 10	3	3
English 200, 202, 220	5	5
Latin 220, 225, 230	4	4

Third Year

Greek 20	3	3
Philosophy 30	2	2
English 300, 301, 341, 343	7	7
Latin 330, 335, 340	5	5

Fourth Year

History 42, 43	3	3
English 400, 401, 402, 403a, 404b	8	8
Latin 440, 441, 442, 445	6	6

Department of French and German or Spanish

Requirements for Admission—Complete Pass Junior Matriculation and Honour Matriculation in English, Mathematics (Algebra and Geometry only), French, and German or any other one subject.

This course satisfies the academic requirements for the French and German or Spanish Specialist Certificate of the Department of Education of Ontario. For conditions, see page 52.

First Year

Subject	*Hours Per Week*	*Credits*
Library Science 10a	1	½
Physical Training 10 or 11	2	1
Latin 10	3	3
Botany 10 or Zoology 10 or Physics 10 or Chemistry 11	6	4
English 20, 11, 22	4	4
French 100	4	4
German 100 or Spanish 100	3	3

Second Year

English 30, 21	4	4
Physical Training 20 or 21	2	1
Latin 20	3	3
History 105	2	2
French 200, 201	4	4
German 200, 201 or Spanish 200, 201, 202	4	4

Third Year

English 40, 41	3	3
History 30	3	3
French 300, 301, 302	5	5
German 300, 301, 310 or Spanish 300, 301, 302	5	5

Fourth Year

History 40	3	3
French 400, 401, 402	6	6
German 400, 401, 402 or Spanish 400, 401, 402, 403	6	6

Department of French and Latin

Requirements for Admission—Complete Pass Junior Matriculation and Honour Matriculation in English, Mathematics (Algebra and Geometry only), French and Latin.

First Year

Library Science 10a	1	½
Physical Training 10 or 11	2	1
German 1 or 10 or Greek 1 or 10	3	3
Botany 10 or Zoology 10 or Physics 10 or Chemistry 11	6	4
English 20, 11, 22	4	4
Latin 110	4	4
French 100	4	4

Second Year

Subject	*Hours Per Week*	*Credits*
Physical Training 20 or 21	2	1
History 105	2	2
German 10 or 20 or Greek 10 or 20	3	3
English 30, 21	4	4
French 200, 201	4	4
Latin 220, 225, 230	4	4

Third Year

History 30	3	3
German 20 or 30 or Greek 20 or 30	3	3
French 300, 301, 302	5	5
Latin 330, 335, 340	5	5

Fourth Year

History 40	3	3
French 400, 401, 402	6	6
Latin 440, 441, 442, 445	6	6

Department of Geology

Requirements for Admission—Complete Pass Junior Matriculation and Honour Matriculation in English and Mathematics (Algebra, Geometry and Trigonometry); either French or German; Physics or Chemistry or Botany and Zoology.

This course satisfies the academic requirements for the Science Specialist Certificate of the Department of Education of Ontario. For conditions, see page 52.

First Year

Library Science 10a	1	½
Physical Training 10 or 11	2	1
English 11	1	1
French 1 or German 1 (one not taken for Matriculation)	3	3
Mathematics 20a, 24b	2	2
Chemistry 101	5	4
Physics 100	5	3
Botany 100 (one term)	6	2
Zoology 100 (one term)	6	2
Geology 100	4	3

Second Year

English 20, 22	3	3
French 10 or German 10 (language taken first year)	3	3
Physical Training 20 or 21	2	1
Chemistry 202	5	3
Physics 201	5	3
Botany 200, Zoology 200	8	5
Geology 200	4	3

Third Year

Subject	*Hours Per Week*	*Credits*
English 21	1	1
Physics 202	4	2½
Geology 300	6	4
Geology 301	6	5
Zoology 300	8	5
French 35 and German 35	2	2

Fourth Year

French 45 and German 45	2	2
History 42, 43	3	3
Zoology 400	2	2
Geology 400, 401, 402, 403	20	12

Department of Mathematics and Physics

Requirements for Admission—Complete Pass Junior Matriculation and Honour Matriculation in English, Physics, Mathematics (Algebra, Geometry, Trigonometry), and either French or German.

This course satisfies the academic requirements for the Mathematics and Physics Specialist Certificate of the Department of Education of Ontario. For conditions, see page 52.

First Year

Library Science 10a	1	½
Physical Training 10 or 11	2	1
English 11	1	1
Chemistry 11	6	4
French 1 or German 1 (the language not taken at Matriculation)	3	3
Physics 100	5	3
Physics 101	3	1
Mathematics 100a	3	1½
Mathematics 102a	3	1½
Mathematics 103b	2	1
Mathematics 104b	2	1
Mathematics 111b	2	1

Second Year

Physical Training 20 or 21	2	1
English 20, 22	3	3
French 10 or German 10 (the language taken in first year)	3	3
Physics 200	2	2
Physics 201, 202	9	5½
Mathematics 200	2	2
Mathematics 202	2	1
Mathematics 204	2	2
Mathematics 212	2	1

Third Year

Candidates will take either Group I or Group II. Those wishing to specialize in Mathematics will take Group I; those in Physics, Group II. Given in 1927-28, not in 1926-27.

Group I.

Subject	*Hours Per Week*	*Credits*
French 35 and German 35	2	2
English 30	3	3
Physics 303	5	3
Physics 304	1	1
Mathematics 301b	2	1
Mathematics 303a	2	1
Mathematics 304	2	2
Mathematics 305a	2	1
Mathematics 305b	2	1
Mathematics 312	2	2

Group II.

French 35 and German 35	2	2
English 30	3	3
Mathematics 304	2	2
Physics 300	2	2
Physics 301	8	5
Physics 302	1	1
Physics 303	5	3
Physics 304	1	1

Fourth Year

Candidates will take either Group I or Group II. Those wishing to specialize in Mathematics will take Group I; those in Physics, Group II. Given in 1926-27, not in 1927-28.

Group I.

Economics 20	2	2
History 42, 43	3	3
Physics 400 or [illegible]	2	2
Mathematics 400	2	1
Mathematics 402	2	2
Mathematics 406	2	2
Mathematics 404	2	1
Mathematics 407a	2	1
Mathematics 407b	2	1
Mathematics 408	1	1

Group II.

French 35, German 35, if not taken before	2	2
History 42, 43	3	3
Mathematics 400	2	1
Mathematics [illegible]	2	1
Physics 400	2	2
Physics 401	2	2
Physics 402	2	2
Physics 404	9	3
Physics 408	1	1

Department of Philosophy

This course is at present open only to students of Assumption and Ursuline Colleges.

First Year

See page 55.

Second Year

Subject	*Hours Per Week*	*Credits*
English 20, 22	3	3
Latin 20	3	3
Religious Knowledge 20	1	1
Physical Training 20 or 21	2	1
Philosophy 200	3	3
Philosophy 220	2	2
Philosophy 230	2	2
Three credits from:		
History 20	3	3
Mathematics 20a, 24b, 23b or 27b	3	3
French 20	3	3
German 20	3	3
Greek 20	3	3
I Science 20 or 10	6	4

Third Year

English 30	3	3
Philosophy 300, 330	5	5
Philosophy 320	3	3
Philosophy 340	3	3
Three credits from:		
French 30	3	3
Greek 30	3	3
German 30	3	3
History 30	3	3
Latin 30	3	3
Religious Knowledge 30, 31	3	3
I Science 30 or 20	5	3

Fourth Year

English 40, 41	3	3
Philosophy 400, 410	5	5
Philosophy 420	3	3
Philosophy 430	3	3
Three credits from:		
French 40	3	3
Latin 40	3	3
Greek 40	3	3
German 40	3	3
History 40	3	3
Religious Knowledge 40, 41	3	3
I Science 40 or 30	5	3

Department of Physics

See Department of Mathematics and Physics, page 73.

Department of Romance Languages

Requirements for Admission—Complete Pass Junior Matriculation and Honour Matriculation in English, Mathematics (Algebra and Geometry only), French and Latin.

Under the conditions specified on page 52, this course satisfies the academic requirements for the French and Spanish Specialist Certificate of the Department of Education.

First Year

Subject	*Hours Per Week*	*Credits*
Library Science 10a	1	½
Physical Training 10 or 11	2	1
English 11, 20, 22	4	4
Botany 10 or Zoology 10 or Physics 10 or Chemistry 11	6	4
Latin 20	3	3
French 100	4	4
Spanish 100	3	3

Second Year

Physical Training 20 or 21	2	1
English 30, 21	4	4
French 200, 201	4	4
Spanish 200, 201, 202	4	4
Italian 100	3	3

Third Year

History 30	3	3
French 300, 301, 302	5	5
Spanish 300, 301, 302	5	5
Italian 200	3	3

Fourth Year

History 40	3	3
French 400, 401, 402	6	6
Spanish 400, 401, 402, 403	6	6

Department of General Science

Requirements for Admission—Complete Pass Junior Matriculation and Honour Matriculation in English, Mathematics (Algebra, Geometry and Trigonometry); one of French, German; either Physics or Chemistry or Botany and Zoology.

This course satisfies the academic requirements for the Science Specialist Certificate of the Department of Education of Ontario. For conditions, see page 52.

First Year

Library Science 10a	1	½
Physical Training 10 or 11	2	1
French 1 or German 1 (one not taken at Matriculation)	3	3
Mathematics 20a, 24b	2	2
Botany 100, Zoology 100	6	4
Chemistry 101	6	4
Physics 100	5	3
Geology 100	4	3

Second Year

Subject	*Hours Per Week*	*Credits*
English 20, 11, 22	4	4
French 10 or German 10 (language chosen in first year)	3	3
Physical Training 20 or 21	2	1
Botany 200, Zoology 200	8	5
Chemistry 202	5	3
Physics 201	5	3

Third Year

English 21	1	1
History 105	2	2
Geology 200	4	3
Zoology 300	8	5
Chemistry 303	5	3
Physics 202	4	2½
Botany 300	8	2½

Fourth Year

History 42, 43	3	3
Geology 300	6	4
Zoology 400	2	2
Botany 401, Zoology 401 or Botany 402, Zoology 402	8	5
Chemistry 404	5	3
Physics 305 or 403	5	3

The B.A., M.D. Course

Requirements for Admission—Complete Pass Junior Matriculation and Honour Matriculation in English and Mathematics; in either French or German; and in Physics or Chemistry or Botany and Zoology.

First Year

Library Science 10a	1	½
German 1 or French 1 (language not previously taken)	3	3
Mathematics 20a, 24b	2	2
Physical Training 10 or 11	2	1
Physics 100	5	3
Botany 100, Zoology 100	6	4
Chemistry 101	6	4
Geology 100	4	3

Second Year

English 20, 11, 22	4	4
German 10 or French 10 (one not taken for Honour Matriculation)	3	3
Physical Training 20 or 21	2	1
Physics 201	5	3
Botany 200, Zoology 200	8	5
Chemistry 202	5	3

Third Year

Subject	*Hours Per Week*	*Credits*
English 30, 21	4	4
History 42, 43	3	3
Zoology 300, 400	10	7
Chemistry 303	5	3
Physics 202	4	2½

Fourth Year

First year of the Four Year Medical Course.

PREMEDICAL COURSE

Requirements for Admission—Complete Pass Junior Matriculation.

Students who purpose entering the Medical School of the University of Western Ontario must offer the following preliminary educational qualifications.

First Year

Library Science 10a	1	½
English 10, 11, 12	4	4
Mathematics 18a, 19b	2	2
French 10 or German 10	3	3
Physical Training 10 or 11	2	1
Physics 10	5	3
Chemistry 11	6	4
Botany 11a	6	2
Zoology 11b	6	2

Second Year

English 20, 21, 22	4	4
French 20 or German 20	3	3
Chemistry 22a	5	1½
Physical Training 20 or 21	2	1
Physics 20	5	3
Chemistry 33	5	3
Zoology 21	6	4

☞ Students who have completed these two years may enter the first year in Medicine and proceed to the degree of M.D., or into the third year in the General Course in Arts and proceed to the degree of B.A.

DESCRIPTION OF COURSES

DEPARTMENT OF BOTANY

N. C. HART, M.A.,	Professor
ANSON R. WALKER, M.A.,	Instructor
HELEN B. BERDAN, B.A.,	Demonstrator
MARGARET CRAWFORD, B.A.,	Demonstrator
NELDA WRIGHT, B.A.,	Demonstrator
J. DONOHUE,	Technician

Students taking work in this department will be required to make a deposit of two dollars with the Bursar to cover supplies and breakages. A refund of any surplus will be made at the end of the college year.

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

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

Prerequisite: complete college entrance requirements.

Textbook: Ganong, *A Textbook of Botany for Colleges.*
References: Kerner and Oliver, *Natural History of Plants.*
Gager, *Fundamentals of Botany.*
Cavers, *Plant Biology.*
Ganong, *The Living Plant.*
Ganong, *A Text Book of Botany for Colleges.*
Martin, *Botany with Agricultural Applications.*

11a. **Elementary Botany** for Medical students; a course dealing with the general principles of Botany.

2 lectures and 4 laboratory hours per week, first term; 2 credits.

Prerequisite: complete college entrance requirements.

Text-book and References: See Botany 10.

20. **Plant Ecology and Physiology** for General Course students; a course dealing with the relationship between plants and their surroundings, and with some of the functions of the organs of plants.

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

Prerequisite: Botany 10.

Text-book: Coulter, Barnes and Cowles, *Text-book of Botany, Vols. I and II.*
Reference: See Botany 301 and 401.

30. **Cryptogamic Botany** for General Course students; a course dealing with the Algae, Fungi, Mosses and Ferns.

2 lectures and 4 laboratory hours per week; 4 credits.
Prerequisite: Botany 20.

Text-book: Coulter, Barnes and Cowles, *Text-book of Botany, Vol. I.*
References: Strasburger, *Text-book of Botany.*
Duggar, *Fungous Diseases of Plants.*
Grout, *Mosses.*
Campbell, *Mosses and Ferns.*
Marshall, *Mosses and Lichens.*
Harshberger, *A Text-book of Mycology and Plant Pathology.*

40. **Phanerogamic Botany** for General Course students; a course dealing with the morphology, classification, and anatomy of selected groups of the Seed Plants.
2 lectures and 4 laboratory hours per week; 4 credits.
Prerequisite: Botany 30.

Text-books: Coulter, Barnes and Cowles, *Text-book of Botany, Vol. I.*
Strasburger, *Text-book of Botany.*
References: Coulter, *Morphology of Gymnosperms.*
Coulter, *Morphology of Angiosperms.*
Gray, *New Manual of Botany.*
Button and Brown, *Illustrated Flora of Northern United States and Canada.*
Stevens, *Plant Anatomy.*

Honour Courses

100. **Introductory Botany** for Honour Biology, Honour 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 Honour Biology, Honour Science, or B.A., M.D. courses.

Textbook: Ganong, *A Textbook of Botany for Colleges.*
References: Bergen and Davis, *Principles of Botany.*
Kerner and Oliver, *Natural History of Plants.*
Curtis, *Nature and Development of Plants.*
Strasburger, *Text-book of Botany.*
Ganong, *The Living Plant.*
Bower, *Botany of the Living Plant.*
Gager, *Fundamentals of Botany.*

200. **Phanerogamic Botany** for students in the Honour Biology, Honour Science and B.A., M.D. courses; a course dealing with the evolution, external morphology and anatomy of the Spermatophyta.
2 lectures and 6 laboratory hours per week: 2½ credits.
Prerequisite: Botany 100 and Zoology 100.

Text-books: Coulter, Barnes and Cowles, *Text-book of Botany.*
Gray, *New Manual of Botany.*
References: Coulter, *Morphology of Gymnosperms.*
Morphology of Angiosperms.
Strasburger, *Text-book of Botany.*
Goebel, *Organography of Plants.*
Chamberlain, *The Living Cycads.*
Scott, *Structural Botany.*
Stevens, *Plant Anatomy.*
Holman and Robbins, *Textbook of General Botany.*

300. **Cryptogamic Botany** for students in Honour Biology, Honour Science and the B.A., M.D. courses; a course dealing with the morphology, classification and evolution of the Algae, Mosses and Ferns.

2 lectures and 6 laboratory hours per week: 2½ credits.

Prerequisite: Botany 200 and Zoology 200.

Text-books: Coulter, Barnes and Cowles, *Text-book of Botany.*
Strasburger, *Text-book of Botany.*
References: Campbell, *Mosses and Ferns.*
Bower, *Origin of a Land Flora.*
Tilden, *Minnesota Algae—Myxophyceae.*
Setchel and Gardner, *Algae of the Pacific Coast.*
Collins, *Freshwater Algae of North America.*
Marshall, *Mosses and Lichens.*

301. **Ecology and Taxonomy** for Honour Biology and Honour Science students; a course dealing with the principles of ecology, and the classification of the Spermatophyta.

2 lectures and 6 laboratory hours per week: 2½ credits.

Prerequisite: Botany 200, Zoology 200, Botany 305.

Text-books: Gray, *New Manual of Botany.*
Coulter, Barnes and Cowles, *Text-book of Botany, Vol. II.*
References: Britton and Brown, *Illustrated Flora.*
Bailey, *Cyclopedia of Horticulture.*
Engler and Prantl, *Pflanzenfamilien.*
Warming, *Oecology of Plants.*
Schimper, *Plant Geography.*
Reports of Special Investigations.

305. **Phanerogamic Collection** for students in Honour Biology and Honour Science; before entering on course 301, students shall make a collection of at least one hundred Spermatophytes. Particulars on application to the head of the Department.

A maximum of 2 credits will be allowed.

Text-book: Gray, *New Manual of Botany.*
References: See 301 above.

400. **Historical Biology.** See Zoology 400.

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

2 lectures and 6 laboratory hours per week: 2½ credits.

Prerequisite: Botany 300 or 301 and Zoology 300.

Text-book: Livingston, *Palladin's Plant Physiology.*
References: Jost, *Plant Physiology.*
Pfeffer, *Physiology of Plants.*
MacDougall, *Plant Physiology.*
Detmer-Moor, *Practical Plant Physiology.*
Clements, *Plant Physiology and Ecology.*
Green, *Vegetable Physiology.*
Sorauer, *A Treatise on the Physiology of Plants.*
Reports of Special Investigations.

402a. **Phytopathology and Mycology** for Honour Biology and Honour Science students; a course dealing with plant diseases and the classification, morphology and structure of fungi.

2 lectures and 6 laboratory hours per week: 2½ credits.

Prerequisite: Botany 300, Zoology 300 and Botany 405.

Text-books: Coulter, Barnes and Cowles, *Text-book of Botany.*
Duggar, *Fungous Diseases of Plants.*
References: Marshall, *The Mushroom Book.*
Atkinson, *Mushrooms and Toadstools.*
Harshberger, *Mycology and Plant Pathology.*
McIlvaine and Macadam, *One Thousand American Fungi.*
Lister, *Mycetozoa.*
Bulletins and Reports of Special Investigations.

402b. **Bacteria, Yeasts and Molds:** a course dealing with the culture, classification and life histories of selected groups of fungi.

2 lectures and 6 laboratory hours per week: 2½ credits.

Prerequisite: Botany 402a.

Text-books: Jordan, *General Bacteriology.*
Conn, *Bacteria, Yeasts and Molds.*
References: Smith, *Bacterial Diseases of Plants.*
Fred, *Soil Bacteriology.*

403a. **Cytology and Histology** for Honour Biology students; a course dealing with the cytology and anatomy of the Pteridophyta and Spermatophyta.

2 lectures and 6 laboratory hours per week: 2½ credits.

Prerequisites: Botany 300, Zoology 300.

Text-books: Strasburger, *Text-book of Botany.*
Jeffery, *Anatomy of Woody Plants.*
References: Sharp, *An Introduction to Cytology.*
Stevens, *Plant Anatomy.*
Scott, *Structural Botany.*
Goebel, *Organography of Plants.*
Haberlandt, *Physiological Plant Anatomy.*
Reports of Special Investigations.

403b. **Advanced Cytology and Histology:** a continuation of 403a, including the technique in connection with the preparation of materials for cytological and histological studies.

2 lectures and 6 laboratory hours per week: 2½ credits.

Prerequisite: Botany 403a.

Text-book: Chamberlain, *Methods in Plant Histology.*

405. **Cryptogamic Collection** for students in Honour Biology and Honour Science courses; before entering on Botany 402, a student shall make a collection of at least fifty cryptogams from selected groups.

Consult the head of the Department for further particulars.

A maximum of 2 credits is allowed for a superior collection.

For Text-books and References, see Botany 300 and 402.

Courses Leading to M.A.

501. **Applied and Economic Botany:** a course dealing with the recognition of plant foods, fibres, adulterants, poisonous products, weed seeds, etc.

1 lecture and 6 laboratory hours per week: 2 credits.

Text-books and References: Hanauseck, *Microscopy of Technical Products.*
Winton, *Microscopy of Vegetable Foods.*
Kraemer, *Applied and Economic Botany.*
Sargent, *Plants and their Uses.*
Brown, *Forest Products, their Manufacture and Use.*

502. **Plant Genetics:** an elementary course of lectures, discussions, and readings on plant breeding and associated topics: 2 credits.

Reference Books: Coulter and Coulter, *Plant Genetics.*
Sinnot and Dunn, *Principles of Genetics.*
Underwood, *New Creations in Plant Life.*
Punnett, *Mendelism.*
De Vries, *Species and Varieties—Their origin by Nutation.*
Coulter, *The Evolution of Sex in Plants.*
Articles in various Magazines:—Genetics, etc.

503. **Plant Geography:** a course of discussions and readings on the distribution of plants, and related topics: 1 credit.

Reference Books: Schimper, *Plant Geography.*
Hardy, *The Geography of Plants.*
The Geographical Magazine.
Encyclopaedia Brittanica.

505. **Research Problems in Plant Anatomy, Plant Ecology, Phytopathology or Mycology,**

DEPARTMENT OF CHEMISTRY

University College

J. A. GUNTON, M.A., PHD., F.C.I.C.,	*Professor*
*JOHN RUSSELL, M.Sc., F.C.I.C.,	Assistant Professor
JAMES W. BURNS, M.Sc., F.C.I.C.,	Instructor
JOHN H. MENNIE, B.Sc., PH.D.,	Instructor
GERTRUDE ROWNTREE, B.A.,	Demonstrator
RHODA SCANLON, B.A.,	Demonstrator
G. H. REAVELY, B.A.,	Demonstrator
ADELAIDE HAGGART, B.A.,	Demonstrator
F. W. PYE,	Instrument Maker

Waterloo College

ROY J. E. HIRTLE, M.Sc.,	Associate Professor

Students taking work in this department will be required to make a deposit of five dollars per laboratory course at the time of registration to cover breakages. A refund of any remainder will be made through the office of the Executive Secretary at the end of the college year.

11. **General Chemistry:** 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. Optional for first year General Course Arts students and prescribed for first year Premedical students.

2 lectures, 1 recitation and 4 laboratory hours per week: 4 credits.

Text-books: Deming, *General Chemistry* (Wiley).
Deming and Arenson, *Laboratory Manual in General Chemistry* (Wiley).

22. **Qualitative and Quantitative Analysis:** 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. Optional for second year students in the General Course.

1 lecture, 5 laboratory hours per week: 3 credits.

Prerequisite: Chemistry 11.

Text-books: Deming, *Laboratory Manual in Analytical Chemistry* (Wiley).
G. McP. Smith, *Quantitative Analysis.*

*On leave, 1925-26; Fellow, Research Council of Canada.

22a. As in Chemistry 22. Prescribed for second year Premedical students. First term.

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

33. **Organic Chemistry:** a course of lectures dealing with the aliphatic and aromatic hydrocarbons and their derivatives; the carbohydrates, proteins and alkaloids. The laboratory work parallels the lectures and consists of the preparation and identification of a few of the more common carbon compounds. Optional for third year students in the General Course and prescribed for second year Premedical students.

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

Prerequisite: Chemistry 11.

Text-books: Lowy and Harrow, *Organic Chemistry* (Wiley).
Burns, *Laboratory Manual in Organic Chemistry.*

Honour Courses

101. **Inorganic Chemistry:** for Honour Biology, Honour Chemistry, Honour Geology, Honour Science and B.A., M.D. students.

A course of experimental lectures and laboratory work in General Chemistry.

2 lectures, 1 recitation and 5 laboratory hours per week: 4 credits.

111. **Advanced Inorganic Chemistry:** for Honour Chemistry students.

1 lecture, 3 laboratory hours per week: 2 credits.

202. **Qualitative and Quantitative Analysis:** for Honour Biology, Honour Geology, Honour Science, and B.A., M.D. students.

1 lecture and 5 laboratory hours per week: 3 credits.

Text-book: A. A. Noyes, *Quantitative Chemical Analysis.*

222. **Advanced Qualitative and Quantitative Analysis:** for Honour Chemistry students.

2 lectures and 8 laboratory hours per week: 5 credits.

Text-book: Treadwell and Hall, *Quantitative Analysis.*

303. **Organic Chemistry:** a course of lectures and laboratory exercises dealing with the more common carbon com-

pounds. Prescribed for third year Honour Science, Honour Biology, Honour Geology, B.A., M.D., and second year Honour Chemistry students.

2 lectures, 3 laboratory hours, 1 recitation hour per week: 4 credits.

Prerequisite: Chemistry 101.

Text-book: Porter, *Organic Chemistry.*

333. **Advanced Organic Chemistry:** for third year Honour Chemistry students.

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

Text-book: Thorpe and Whitely, *Organic Chemical Analysis* (Longmans, Green).

334. **Elementary Physical Chemistry:** a systematic derivation of the principles which govern reactions in chemical systems. The treatment will be more rigid and detailed than in Chemistry 404, emphasis being placed where most useful to the specialist in Chemistry; for third year Honour Chemistry students.

2 lectures, 6 laboratory hours per week: 5 credits.

Text-book: Hodgman and Lange, *Handbook of Chemistry and Physics.*

404. **Physical Chemistry:** a descriptive and non-mathematical treatment of the principles which govern reactions in chemical systems, with discussion of their application in relation to the other branches of science and the industries; for fourth year Honour Science, third year Honour Biology and optional for fourth year students in the General Course.

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

Prerequisite: Chemistry 11, 22, 33.

Text-book: Walker, *Introduction to Physical Chemistry.*

444. **Advanced Physical Chemistry:** chiefly the kinetic theory, the electrochemistry of solutions and the phase rule, with emphasis on the thermodynamic foundation of the principles encountered. Training in the practical use of the principles will be given by means of problem assignments For fourth year Honour Chemistry students.

2 lectures and 6 laboratory hours per week: 5 credits.

Prerequisites: Chemistry 334.

Text-books: Nernst, *Theoretical Chemistry.*
Lewis, *System of Physical Chemistry.*

445. **Research:** special topics and laboratory methods in the field of the student's individual interest. The second term will be devoted to a research problem, upon which a report will be required as a senior thesis. For fourth year Honour Chemistry students.

9 hours per week: 5 credits.

448. **Seminar:** presentation of papers on topics selected from the current chemical journals, dealing with the more recent and fundamental developments of the science; for fourth year Honour Chemistry students and desirable for all students majoring in Chemistry.

1 meeting per week: 1 credit.

Courses Leading to M.A.

551, 552, 553 or 554. Advanced work in Inorganic, Analytical, Organic or Physical Chemistry.

555. Research—arranged.

558. Seminar.

DEPARTMENT OF CLASSICS

University College

DEAN W. S. FOX, Ph.D., D.Litt., F.R.S.C.,	Professor
K. P. R. NEVILLE, Ph.D.,	Professor
H. W. AUDEN, M.A.,	Professor
J. D. RALPH, B.A.,	Instructor

Assumption College

PRINCIPAL D. L. DILLON, B.A.,	Professor
REV. V. L. KENNEDY, M.A.,	Instructor
REV. W. B. O'TOOLE, B.A.,	Instructor

Waterloo College

REV. S. W. HIRTLE, B.A.,	Associate Professor

Alma College

PRINCIPAL P. S. DOBSON, M.A., D.D.,	Professor

Huron College

PRINCIPAL C. C. WALLER, M.A., D.D.,	Professor
REV. F. ANDERSON, M.A., D.D.,	Professor

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 where the standard allows, 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 & Co., New York; Gildersleeve and Lodge, Heath & Co., Boston; and an Elementary Latin Dictionary, American Book Co.

10. Caesar, *De Bello Civili III;* Cicero and Sallust, *Catilinarian Conspiracy;* Horace, *Odes; I*, 1, 4, 5, 9, 21, 22, 24, 29, 31, 37, 38; *II*, 3, 10, 13, 14, 16; *III*, 1, 2, 5, 7, 9, 13, 23, 29, 30; *IV*, 3, 5, 7.

3 hours per week: 3 credits.

Prerequisite: Middle School Latin.

Text-books: Compton and Freeman, *Caesar's Civil War, Book III* (Oxford).
Butler, *Catilinarian Conspiracy* (Oxford).
Page, *Horace, Odes* (Macmillan Elementary Classics).
Pillsbury, *Latin Prose Composition for Middle and Upper Forms* (Oxford

20. Livy, *XXI-XXX;* Virgil, *Aeneid VI;* selected Latin poetry; composition; sight translation.

3 hours per week: 3 credits.

Prerequisites: Latin 10 or Upper School Latin.

Text-books: Sidgwick, *Virgil, Aeneid VI* (Macmillan).
C. Georgin, *Tite-Live, Histoire, Troisième Décade* (Hatier).
Rieu, *A Book of Latin Verse* (Methuen).
North and Hillard, *Latin Composition* (Copp, Clark).

30. Cicero, *De Amicitia;* Catullus; Plautus, *Rudens;* Terence, *Andria;* lectures on the literature and the history of the Republic; composition; sight translation.

3 hours per week: 3 credits.

Prerequisite: Latin 20.

Text-books: E. A. Sonnenschein, *T. Macci Plauti 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).
Auden, *Latin Composition* (Blackwoods).

40. Cicero, *Letters;* Pliny, *Letters;* Tacitus, *Annals I;* Virgil, selections from the *Bucolics* and *Georgics;* lectures on the literature of the Ciceronian and Augustan periods; composition; sight translation.

3 hours per week: 3 credits.

Prerequisite: Latin 20.

Text-books: Abbott, *Cicero's Letters* (Ginn).
Furneaux, *Tacitus, Annals I* (Oxford).
Westcott, *Pliny's Letters* (Allyn, Bacon).
Page, *Virgil, Bucolics and Georgics* (Macmillan).
Auden, *Latin Composition* (Blackwoods).

45. St. Augustine, *De Fide;* with the consent of the instructors concerned, theological students in affiliated colleges may substitute the above for an equivalent amount of the prescribed authors in Latin 30 or 40.

1 hour per week, 1 term: ½ credit.

Honour Courses

110. Livy, *XXI-XXX* (read intensively); Sallust, *Jugurtha;* Virgil, *Aeneid VI;* selected Latin poetry; composition; sight translation.

4 hours per week: 4 credits.

Prerequisite: Latin 10 or Upper School Latin.

Text-books: C. Georgin, *Tite-Live, Histoire, Troisième Décade* (Hatier).
W. C. Summers, *C. Sallusti Crispi, Iugurtha* (Cambridge).
Rieu, *A Book of Latin Verse* (Methuen).
North and Hillard, *Latin Composition* (Blackwoods).
Gow, *A Companion to School Classics* (Macmillan).

220. Selections from *Propertius, Tibullus, Ovid;* Horace, *Epistles;* Cicero, *De Senectute.*
1 hour per week: 1 credit.
Prerequisite: Latin 100.

Text-books: K. P. Harrington, *The Roman Elegiac Poets* (American).
E. P. Morris, *Horace, Satires and Epistles* (American).
E. W. Bowen, *Cicero's De Senectute* (Heath).

225. **Composition, grammar and sight translation.**
1 hour per week: 1 credit.
Prerequisite: Latin 110.

Text-book: Auden, *Latin Composition* (Blackwoods).

230. Cicero, *De Amicitia;* Catullus; Plautus, *Rudens;* Terence, *Andria;* the literature and the history of the Republic.
2 hours per week: 2 credits.
Prerequisite: Latin 110.

Text-books: Sonnenschein, *T. Macci Plauti Rudens* (Oxford).
Sturtevant, *P. Terenti Afri Andria* (American).
Simpson, *Select Poems of Catullus* (Macmillan).
Bowen, *Cicero's De Amicitia* (Heath).

330. Horace, *Satires;* Juvenal, *Satires;* Suetonius, *Augustus;* selections from Virgil, *Aeneid VII-XII.*
2 hours per week: 2 credits.
Prerequisite: Latin 220.

Text-books: E. P. Morris, *Horace, Satires* (American).
H. L. Wilson, *Juvenal* (Heath).
T. E. Page, *Virgil, The Aeneid VII-XII* (Macmillan).

335. **Composition and sight translation.**
1 hour per week: 1 credit.
Prerequisite: Latin 225.

340. Cicero, *Letters;* Pliny, *Letters;* Tacitus, *Annals I;* Virgil, selections from *Bucolics and Georgics;* the literature and the history of the Ciceronian and Augustan periods.
2 hours per week: 2 credits.
Prerequisite: Latin 230.

Text-books: Abbott, *Cicero's Letters* (Ginn).
Furneaux, *Tacitus, Annals I* (Oxford).
Westcott, *Pliny's Letters* (Allyn-Bacon).
Page, *Virgil, Bucolics and Georgics* (Macmillan).

440. Tacitus, *Annals II, III, IV;* Cicero, *Tusculan Disputations I; Pro Milone; Philippics II.*
2 hours per week: 2 credits.
Prerequisite: Latin 330.

Text-books: Furneaux, *Tacitus, Annals,* (Oxford).
Rockwood, *Cicero, Tusculan Disputations I* (Ginn).

441. Cicero, *Pro Archia; In Catilinam;* Sallust, *Bellum Catilinae;* Lucretius *III, V;* Quintilian, Book *X.*

2 hours per week: 2 credits.

Prerequisite: Latin 330, 340.

Text-books: J. H. W. Lee, *Lucretius, De Rerum Natura I-III* (Macmillan)
W. D. Lowe, *Lucretius, De Rerum Natura* (Oxford).
J. W. Scudder, *Sallust's Catiline* (Allyn and Bacon).

442. Epigraphy, private life, philology: lectures and readings.

1 hour per week: 1 credit.

Prerequisite: Latin 330, 340.

Text-books: J. C. Egbert, *Introduction to the Study of Latin Inscriptions* (American).
P. Giles, *Manual of Comparative Philology* (Macmillan); or
J. M. Edmonds, *Comparative Philology* (Cambridge).
H. Johnston, *Private Life of the Romans* (Scott Foresman).

445. **Composition and sight translation.**

1 hour per week: 1 credit.

Prerequisite: Latin 335.

GREEK

1. **Elementary Greek:** a preparatory course leading up to the standard of Matriculation (omitting Homer), and designed for those who wish to begin the study of Greek after entering the University.

In order that this course may count for credit towards a degree Greek must be studied for four years. Arts students, on completing this course, will take Greek 10, 20 and 30. Theological students on completing this course will take Greek 25, 35 and 45.

3 hours per week: 3 credits. A fourth hour may be required at the discretion of the instructor.

Prerequisite: complete college entrance without Greek.

Text-books: White, *First Greek Book.*
Philpotts and Jerram, *Easy Selections from Xenophon,* Chapters 3, 4, 5, 6, 7

Classical Greek

10. Xenophon, *Hellenica;* Homer, *Iliad I,* 148-192, 223-246, 345-363; *III,* 139-190; *VI,* 369-502; *XXII,* 273-363; *Odyssey I,* 113-177; *V,* 291-327; *VI,* 71-126; *IX,* 437-472; *XII,* 165-200; *XIV,* 1-54; *XVII,* 290-327; *XXII,* 1-41: Herodotus, *Salamis, in Easy Attic Greek;* composition; sight translation.

3 hours per week: 3 credits.

Prerequisite: Junior Matriculation Greek or Greek I.

Text-books: J. S. Phillpotts, *Selections Adapted from Xenophon* (Oxford).
Edwards, *Salamis* (Cambridge).
Rennie, *Selections from Homer* (Edward Arnold, London).
North and Hillard, *Greek Prose Composition* (Copp, Clark).

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

3 hours per week: 3 credits.

Prerequisite: Greek 10, or Honour Matriculation Greek.

Text-books: G. Stock, *Plato, Apology and Crito* (Oxford).
C. E. Graves, *Thucydides IV* (MacMillan).
A. F. Butler, *Herodotus VII* (Macmillan).
North and Hillard, *Greek Prose Composition* (Copp, Clark).

30. Euripides, *Medea;* Sophocles, *Antigone;* Aeschylus, *Prometheus Vinctus;* Lucian, *Vera Historia;* lectures on the theatre and the development of the drama; composition; sight translation.

3 hours per week: 3 credits.

Prerequisite: Greek 20.

Text-books: 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).

40. Sophocles, *Ajax;* Euripides, *Iphigenia in Tauris;* Aristophanes, *Clouds;* Demosthenes, *Olynthiacs;* lectures on the social, religious and political life of Athens in the age of Pericles; composition; sight translation.

3 hours per week: 3 credits.

Prerequisite: Greek 20.

Text-books: Campbell and Abbott, *Sophocles, Ajax* (Oxford).
C. S. Jerram, *Euripides, Iphigenia in Tauris* (Oxford).
W. W. Merry, *Aristophanes, Clouds* (Oxford).
T. R. Glover, *Demosthenes, Olynthiacs* (Cambridge).
A. Sidgwick, *Greek Prose Composition* (Ginn).

Biblical Greek

N.B.—The purpose of the following courses is to provide Theological students with such instruction in Biblical Greek as will enable them to make practical use of it in their subsequent work and further enable them to consult the originals of the important theological works of Greek patristic writers.

25. The Gospels of St. Mark and St. Luke; Galatians; The Acts of the Apostles; composition; sight translation.

3 hours per week: 3 credits.

Prerequisites: Greek 1 or Middle School Greek.

Text-books: Scrivener, *Greek Testament (Fourth Edition)* (Bell & Sons.)
Nunn, *Syntax of New Testament Greek* (Cambridge Press).
Volumes in *Cambridge Greek Testament Series.*

35. The Gospel of St. Matthew; I and II Corinthians; Clement's Epistle to the Corinthians; lectures on the development and character of Biblical Greek; composition; sight translation.

3 hours per week: 3 credits.

Text-books: See Greek 25.
Reference: Moulton, *Grammar of New Testament Greek.*

45. The Gospel of St. John; Romans; Hebrews; the Pastoral Epistles; Selections from the LXX, from the Greek Papyri and from early Christian writers; lectures on textual criticism; composition; sight translation.

3 hours per week: 3 credits.

Prerequisite: Greek 35.

Text-books: See Greek 25.
Kenyon, *Handbook to the Textual Criticism of the New Testament* (Macmillan).
Kirsopp Lake, *The Text of the New Testament* (Rivington).
Conybeare and Stock, *Selections from the LXX* (Ginn).
Milligan, *Selections from the Greek Papyri* (Cambridge).
Gwatkin, *Selections from Early Christian Writers* (Macmillan).

NOTE—The instructors reserve the right to interchange the authors in Greek 35 and 45.

49. New Testament Greek with special attention to Grammar and Syntax. The Gospel of John and the Book of Acts will be read, the former in connection with the study of the Harmony of the Gospels. Other New Testament literature will be read at sight, in order to gain a knowledge of the different styles of the various writers. For Waterloo College students only.

3 hours per week: 3 credits.

Prerequisite: Greek 20.

Text-books: *Novum Testamentum Graece.*
Eberhard Nestle, *A Syntax of New Testament Greek* (Munn).
White, *First Greek Book.*
Robertson, *A Harmony of the Gospels.*

Honour Courses

110. Plato, *Apology;* Thucydides *IV;* Herodotus *VII;* Euripides, *Hippolytus;* Demosthenes, *Olynthiacs;* composition; sight translation.

4 hours per week: 4 credits.

Prerequisite: Greek 10 or Honour Matriculation Greek.

Text-books: G. Stock, *Plato, Apology and Crito* (Oxford).
C. E. Graves, *Thucydides IV* (Macmillan).
A. F. Butler, *Herodotus VII* (Macmillan).
T. R. Glover, *Demosthenes, Olynthiacs* (Cambridge).
North and Hillard, *Greek Prose Composition* (Ginn).

220. Thucydides *I*, Homer, *Iliad IX, XVIII, XXII* (selections); Theocritus (selections).

1 hour per week: 1 credit.

Prerequisite: Greek 110.

Text-books: E. C. Marchant, *Thucydides I* (Macmillan).
J. H. Pratt, *Homer, Iliad IX* (MacMillan).
D. B. Monro, *Homer's Iliad XII-XXIV* (Oxford).

225. **Composition and sight translation.**

1 hour per week: 1 credit.

Prerequisite: Greek 110.

Text-book: Sidgwick, *Greek Prose Composition* (Ginn).

230. Euripides, *Medea;* Sophocles, *Antigone;* Aeschylus, *Prometheus Vinctus;* Lucian, *Vera Historia;* the theatre and the drama.

2 hours per week: 2 credits.

Prerequisite: Greek 110.

Text-books: R. C. Jebb, *Sophocles, Antigone* (Cambridge).
Moore-Allen, *The Medea of Euripides* (Ginn).
Allen-Wecklein, *Aeschylus, Prometheus* (Ginn).
C. S. Jerram, *Luciani Vera Historia* (Oxford).

330. Sophocles, *Oedipus Coloneus*; Homer, *Odyssey* (selections); Thucydides *II, III.*

2 hours per week: 2 credits.

Prerequisite: Greek 220.

Text-books: Campbell and Abbott, *Sophocles, Oedipus Coloneus* (Oxford).
Merry and Riddell, *Homer's Odyssey* (Oxford).
E. C. Marchant, *Thucydides II, III* (Macmillan).

335. **Composition and sight translation.**

1 hour per week: 1 credit.

Prerequisite: Greek 225.

Text-books: Sidgwick, *Greek Prose Composition* (Ginn).

340. Sophocles, *Oedipus Rex;* Euripides *Iphigenia in Tauris;* Aristophanes, *Clouds;* Plato, *Laches.*

2 hours per week: 2 credits.

Prerequisite: Greek 230.

Text-books: Campbell and Abbott, *Sophocles, Oedipus Rex* (Oxford).
C. P. Jerram, *Euripides, Iphigenia in Tauris* (Oxford).
W. W. Merry, *Aristophanes, Clouds* (Oxford).

440. Aechylus, *Agamemnon;* Demosthenes, *De Corona;* Aeschines, *In Ctesiphontem;* selections from Lysias.

2 hours per week: 2 credits.

Prerequisite: Greek 330.

Text-books: A. Sidgwick, *Aeschylus, Agamemnon* (Oxford).
E. S. Shuckburgh, *Lysiae Orationes XVI* (Macmillan).
M. V. Humphreys, *Demosthenes, On the Crown* (American).
Gwatkin and Shuckburgh, *Aeschines, In Ctesiphontem* (Macmillan).

441. Plato, *Republic I-X* (selections); Aristotle, *Ethics I, IV, X* (selections).

2 hours per week: 2 credits.

Prerequisite: Greek 330.

442. Epigraphy, philology, private life: lectures and readings.

1 hour per week: 1 credit.

Prerequisite: Greek 330.

445. **Composition and sight translation.**

1 hour per week: 1 credit.

Prerequisite: Greek 335.

DEPARTMENT OF COMMERCIAL ECONOMICS

E. H. MORROW, B.A., M.B.A., Professor
F. H. CURRAN, B.A., LL.B., Lecturer in Commercial Economics
W. C. BENSON, C.A., Lecturer in Accounting
W. F. MARSHALL, Lecturer in Commercial Economics
P. BURTON, B.A. Department Assistant
J. W. WESTERVELT (JR.), C.A., Department Adviser

Students who contemplate taking the Honour Course in Commercial Economics should apply to the Registrar for the special announcement covering the work in this department.

107. **Business Arithmetic:** decimals, interest, discount, annuities, bond values, mensuration, etc.

1 hour per week: 1 credit.

Text-book: McIntosh and Norman, *New Method Arithmetic.*

109b. **Commercial Geography:**

2 hours per week, second term: 1 credit.

Text-book: Huntington and Williams, *Business Geography.*

200. **Accounting Principles:** principles underlying modern bookkeeping and accounting, the use of fundamental books, preparation and analysis of financial statements, application of principles to problems of capital, revenue, maintenance, cost accounting, etc.

3 hours per week: 3 credits.

Text-book: Cole, *Fundamentals of Accounting.*

201a. **Commercial Distribution:** organization and functions of marketing media, methods of marketing employed for different types of products, problems of the manufacturer and the middleman, purposes and use of credits as part of the marketing machinery, the relation of advertising to marketing problems.

2 hours per week, first term: 1 credit.

Text-books: Duncan, *Marketing, Its Problems and Methods.*
Starch, *Advertising.*
Copeland, *Marketing Problems*; Revised Edition.
Commercial and Financial Publications.

207a. **Statistical Methods:** the chief object of this course is to give the student an introductory knowledge of the terms, principles, forms and methods used in statistical presentation, so that he may later be able to apply this knowledge in advanced work in Commerce.

2 hours per week, first term: 1 credit.

Text-book: King, *Elements of Statistical Method.*

211b. **Commercial Distribution:** continuation of 201a by discussion of concrete problems. Written reports on assigned problems will be required at frequent intervals.

2 hours per week, second term: 1 credit.

217b. **Business Statistics:** a consideration of the application of statistical methods to the problems of business and a brief survey of the business cycle and business forecasts.

2 hours per week, second term: 1 credit.

300. **Advanced Accounting:** a continuation of 200 with greater attention to the details of special books, accounts and methods of accounting for particular types of business and for corporations.

3 hours per week: 3 credits.

301a. **Marketing Problems:** this course continues 201 and will consist entirely of problems to be assigned every two weeks and to be reported upon in writing. The student will be left entirely to his own resources to discover the general facts of business practice and commercial conditions bearing on each problem. The class will largely be handled by business men who will assign problems within their own experience.

1 hour per week, first term: 1 credit.

302a. **Business Finance:** forms of business organization, methods of financing required in different types of organization, sources of funds for capitalization and for long term and short term financing; types of securities and legal restrictions surrounding them; relations with banks and other financial institutions; problems of financial management.

2 hours per week, first term: 1 credit.

Text-book: Lincoln, *Business Finance.*

305a. **Industrial Management:** organization; this course will comprise a broad survey of the field of management, particularly as exemplified in the management of manufacturing concerns. The first part of the session will be devoted to a discussion of the history of industrial progress and the evolution of the modern industrial plant. In this section of the course the various types of organization and the fundamental principles of management will be dealt with.

3 hours per week, first term: 1 credit.

Text-books: Taylor, *Shop Management.*
Lansburgh, *Industrial Management.*

309b. **Commercial Law:** this course embraces a general and particular outline of the principles of contract law from the elements to the remedies for breach, and includes special lectures on such phases of Commercial Law as agency, banking and bills of exchange, partnerships, corporations and foreign judgments.

3 hours per week, second term: 1½ credits.

Text-books: Anson, *Contracts.*
Falconbridge, *Banking and Bills of Exchange.*
References: Falconbridge, *Sale of Goods.*
Russell, *Bills.*
Pollock, *Partnership.*
Willis, *Contracts.*
Dominion and Provincial Statutes.

312b. **Finance Problems:** the course in Finance Problems will be complementary to the course in Business Finance and will illustrate the practical application of the principles learned in the first term. The course will be handled entirely by the discussion of problems that have actually occurred in the experience of business concerns and written reports will be required from time to time. Business men will be frequently invited to lead the discussion on many of the problems submitted.

2 hours per week, second term: 1½ credits.

Text-book: Lincoln, *Finance Problems.*

315b. **Industrial Management:** practice, continuing 305a by a consideration of common practices in departmental control and similar problems. Many of the lectures are taken by the managers of local factories, excursions to view methods at first hand form part of the course.

3 hours per week, second term: 1½ credits.

400. **Applied Cost Accounting:** each student will be required to undertake a specific piece of work on cost accounting in the specialized field to which he expects to devote himself. The work must be of practical use to some business establishment, and will be done under the direct supervision of Mr. Benson or of some other recognized accountant. As the work will be done entirely in the field, lecture hours will be infrequent and will be largely devoted to reporting progress.

3 credits.

401. **Sales Management:** a survey of the problems of the sales manager; largely a course in which sales executives will discuss with the students current problems of marketing, pricing, credits, collections, advertising, handling of sales force, etc.

3 hours per week: 3 credits.

Text-book: Tosdal, *Problems in Sales Management.*

409. **Executive Problems:** the work of the previous years will be correlated in this course by means of written reports on problems of a general executive nature involving production, sales and financial policies. One hour a week is reserved for visits from executives who will present their current problems for discussion and for written reports. Two hours a week will be devoted to the study and discussion of the Harvard Business Reports.

3 hours per week: 3 credits.

Text-book: Harvard Business Reports.

491. **Research:** before graduation the student must submit reports covering the constructive and finished investigation of two major problems, chosen in consultation with the Head of the Department and the managers under whose guidance the investigations will be made. Class hours are arranged so as to give the student as much uninterrupted time as possible for this work.

3 credits.

DEPARTMENT OF ECONOMIC AND POLITICAL SCIENCE

R. E. FREEMAN, M.A., B.LITT., Associate Professor
E. P. W. MACDONALD, B.A., Instructor

20. **Elements of Economics:** to provide an introduction to the more specialized courses. Part I is chiefly descriptive and historical, Part II is theoretical and Part III comprises a discussion of current economic problems.

2 hours per week: 2 credits.

Text-books: D. A. MacGibbon, *An Introduction to Economics for Canadian Readers.*
The Canada Year Book.
References: F. W. Taussig, *Principles of Economics.*
C. Gide, *Principles of Political Economy.*
L. C. Marshall, C. W. Wright, J. A. Field, *Materials for the Study of Elementary Economics.*
T. N. Cawes, *Principles of Political Economy.*

30. **Finance I (Money and Banking):** the origin and functions of money; metallic and paper currency; the standard of value; credit and credit instruments; commercial banking; savings banks and trust companies; the general price level; domestic and foreign exchange; the development and functions of the chief banking systems of the world, especially the Canadian banking system.

2 hours per week: 2 credits.

Text-books: H. G. Moulton, *Financial Organization.*
C. A. Phillips, *Readings in Money and Banking.*
References: J. T. Holdsworth, *Money, Banking.*
W. A. Scott, *Money, Banking.*
H. White, *Money and Banking.*
E. E. Agger, *Organized Banking.*

40. **Labor Problems:** after a preliminary study of the psychology and history of the labor movement the following topics will be discussed; immigration, wages, standards of living, women and children in industry, industrial accident and sickness, unemployment, trade unionism, the employers' approach to the labor problem, labor legislation, methods of industrial peace.

2 hours per week: 2 credits.

Text-books: E. S. Furniss, *Labor Problems.*
A. A. Young, *Labor Problems.*
References: P. H. Douglas, C. N. Hitchcock, W. E. Atkins, *The Worker in Modern Economic Society.*
F. R. Carlton, *History and Problems of Organized Labor.*
W. H. Hamilton, S. May, *The Control of Wages.*
W. H. Beveridge, *Unemployment.*
S. and B. Webb, *Industrial Democracy.*

200. Identical with 20.

201a. **Economic History of Europe:** special attention will be paid to the industrial and commercial development of Europe since the beginning of the Industrial Revolution. Some time will be given to a discussion of present day problems consequent on the war.

2 hours per week, first term: 1 credit.

Text-books: F. A. Ogg, *Economic History of Modern Europe.*
Usher, *Industrial Development of England.*
References: Cunningham, *The Industrial Revolution.*
Ashley, *Economic History.*
Day, *History of Commerce*
Cheney, *Industrial and Social History of England.*
Clapham, *Economic Development of France and Germany.*

202b. **Economic History of North America:** a course comprising the study of the geographical and historical conditions which have given rise to the current economic problems of the United States and Canada. Special attention will be given to Canadian problems in the way of assigned readings and reports.

2 hours per week, second term: 1 credit.

Text-books: Faulkner, *American Economic History.*
K. Coman, *Industrial History of the United States.*
References: *Canada and its Provinces.*
Colby, *Economic Geography of North America.*
Lippincott, *Economic Development of the United States.*
Farrand, *Development of the United States.*
Callender, *Economic History of the United States.*

300. Identical with 30.

301a. **Economics of Transportation:** railways, their historical development, characteristics, construction, finance, rates and control; the development of waterways; a comparative study of railway, waterway and road transport; problems of urban and rural transport.

2 hours per week, first term: 1 credit.

Text-books: W. Z. Ripley, *Railroads, Rates and Regulations.*
D. A. MacGibbon, *Railway Rates and the Canadian Railway Commission.*
References: W. M. Acworth, *Elements of Railway Transportation.*
E. Jones, *Principles of Railway Transportation.*
E. B. Biggar, *The Canadian Railway Problem.*
W. Z. Ripley, *Railroads, Finance and Organization.*

302b. **Economics of Agriculture:** the characteristics of the agricultural industry, the history of agriculture, farm values, land tenure, marketing, transport, credit, accounting, national policies and other matters affecting the welfare of the farmers of Canada.

2 hours per week, second term: 1 credit.

Text-books: H. C. Taylor, *Agricultural Economics.*
E. S. Munroe, *Agricultural Economics.*
References: L. D. H. Weld, *Marketing Farm Products.*
S. B. Morman, *Principles of Rural Credit.*
C. Hopkins, *Canadian Annual Review*, 1915, Articles dealing with farmer movements in Canada.
C. R. Fay, *Co-operation at Home and Abroad.*

303b. **Finance II (Corporation Finance):** the character and legal status of the corporation, financing of new corporate enterprises, current operations, the treatment of earnings, financing corporate expansions and reorganizations; the stock exchange; principles of investment.

2 hours per week, second term: 1 credit.

Text-book: H. L. Reed, *Principles of Corporation Finance.*
References: E. S. Mead, *Corporation Finance.*
H. Lyon, *Corporation Finance.*
C. W. Gerstenberg, *Materials of Corporation Finance.*
L. Chamberlain, *Principles of Bond Investment.*

304a. **An Introduction to Politics:** the course will consist of a study of the state, its origin, form and activities, and a study of the working of governments, particularly those of the United Kingdom, Canada, the United States, Germany, France and Switzerland. Reference will also be made to the governments of the new states of Central Europe and of Russia, and to the League of Nations.

2 hours per week, first term: 1 credit.

Text-book: Finer, *Foreign Governments at Work.*
References: Bryce, *The American Commonwealth.*
Bryce, *Modern Democracies.*
Lowell, *The Government of England.*
Woodrow Wilson, *The State.*
Gibbons, *Introduction to World Politics.*

400. Identical with 40.

401. **Social and Political Theory:** a course designed to trace the development of political thought, correlating each theory with the general thought of its age. An attempt will be made at all times to discuss present day problems in the light of the theories under consideration. Special attention will be given to recent developments in sociology and in social psychology. No text will be assigned but wide reading will be expected on assigned topics.

2 hours per week: 2 credits.

References: McDougall, *The Group Mind.*
Ginsburg, *Psychology of Society.*
Ward, *Outlines of Sociology.*
Plato, *The Republic.*
Mill, *Liberty.*
Weyl, *The New Democracy.*
Bryce, *International Relations.*

402. **History of Economic Theories:** Greek, Roman and Hebrew economic thought as reflected in the doctrines of the Middle Ages; mercantilism and the rise of Political Economy,

the characteristics of different modern schools and the tendencies of present day doctrine.

2 hours per week: 2 credits.

Text-book: J. K. Ingram, *History of Political Economy.*
References: L. H. Haney, *History of Economic Thought.*
M. L. W. Laistner, *Greek Economics.*
G. O'Brien, *An Essay in Mediaeval Economic Teaching.*
O. F. Boucke, *Development of Economics.*
R. S. Tugwell, *The Trend of Economics.*

403a. **Finance III (Public Finance):** the history, theory and practice of public expenditures; revenues and budgets; government borrowing; the financial administration of the war and various Canadian problems of public finance.

2 hours per week, first term: 1 credit.

Text-books: C. C. Plehn, *Introduction to Public Finance.*
C. J. Bullock, *Selected Readings in Public Finance.*
References: C. F. Bastable, *Public Finance.*
M. H. Hunter, *Public Finance.*
E. R. A. Seligman, *Essays in Taxation.*
Canadian Tax Conference, Annual Reports.

404b. **International Trade and Tariffs:** the theory of international exchange, the tariff history of the leading commercial nations, the mechanism of international finance, the effect of the war upon commercial policy, Canadian problems in international trade and tariffs.

2 hours per week, second term: 1 credit.

Text-books: F. W. Taussig, *Selected Readings in International Trade and Tariff Problems.*
C. F. Bastable, *The Theory of International Trade.*
References: P. W. L. Ashley, *Modern Tariff History.*
S. M. Fisk, *International Commercial Policies.*
E. Porritt, *Sixty Years of Production in Canada.*
H. Withers, *International Finance.*

405b. **Municipal Government:** the historical development of local government in Great Britain, the United States and Canada; relations between municipal, provincial and federal governments; the municipal system of Ontario; the council, commission and manager forms; taxation, public utilities and other problems of municipal administration.

2 hours per week, second term: 1 credit.

Text-book: J. Wright, *Selected Readings in Municipal Problems.*
References: W. B. Munro, *Municipal Government and Administration.*
C. Z. Zueblin, *American Municipal Progress.*
W. B. Munro, *The Government of European Cities.*
S. M. Wickett, *Municipal Government in Canada* (University of Toronto, Studies in History and Economics, 1907, Vol. II).

Courses Leading to M. A.

Group I—General

500. Advanced Economic Theory.
501. Business Cycles.
502. Economic History of Canada.
503. Natural Resources.
504. Sociology.

Group II—Finance

510. Advanced Banking.
511. Foreign Exchanges.
512. Investments.
513. Insurance.
514. Taxation.

Group III—Labor

520. Trade Unionism.
521. Socialism.
522. Immigration.
523. Population.

Group IV.—Political Science.

530. Comparative Government.
531. Party Government.
532. History of Local Government.
533. Recent Developments in Municipal Government.
534. Municipal Finance.
535. Public Utilities.

The hours and credits to be assigned for M.A. courses will be decided by the department. Students desiring to take any of these courses should notify the department of their intention not later than June previous to the autumn term in which the work will be taken. Any of the courses 500-535 may, at the option of the department, be substituted for an honour course of the 3rd or 4th year.

Government and Law

F. E. PERRIN, B.A. Lecturer

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.

Prerequisites: Economics 200-202.

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.

Prerequisites: Economics 200-202.

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.

Prerequisites: Economics 200-202.

Text-books: Holland, *Elements of Jurisprudence.*
Sir Henry Maine, *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.

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.

Prerequisites: Law 305-307.

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.

Prerequisites: Law 305-307.

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.

Prerequisites: Law 305-307.

Text-book: Westlake, *International Law.*

DEPARTMENT OF ENGLISH

University College

W. F. TAMBLYN, PH.D.,	Professor
J. A. SPENCELEY, M.A.,	Associate Professor
W. CLIFFORD MARTIN, PH.D.,	Assistant Professor
MRS. E. K. ALBRIGHT, B.A.,	Assistant Professor
MRS. JEAN T. NEVILLE, M.A.,	Lecturer
JEAN I. WALKER,	Lecturer
REV. E. W. EDWARDS, M.A., B.D., M.C.,	Lecturer
DORIS LIDDICOATT, M.A.,	Lecturer
MARION WRIGHTON, B.A.,	Lecturer
HELEN ALLISON, B.A.,	Assistant

Assumption College

REV. CHAS. DONOVAN, B.A.,	Associate Professor
H. L. MCPHERSON, B.A.,	Instructor
REV. P. J. HOWARD, M.A.	Lecturer

Ursuline College

M. M. CARMEL, M.A.,	Professor
M. M. BONAVENTURE, M.A.,	Instructor
M. M. ST. JAMES, M.A.,	Instructor

Waterloo College

REV. N. WILLISON, D. LITT.,	Associate Professor

Alma College

OLIVE ZIEGLER, B.A.,	Instructor

10. General Literature.

First Term:

A.—A critical study of the following poems:

The Twa Corbies.
Willie Drowned in Yarrow.
Wyat, *Forget not yet the tried intent.*
Sidney, *With how sad steps, O Moon; Come, Sleep: O Sleep.*
Lyly, *Cupid and Campaspe.*
Drayton, *Since there's no help.*
Marlowe, *The Passionate Shepherd to his Love.*

Shakespeare, *Let me not to the marriage of true minds; When to the sessions; That time of year; Like as the waves; Carpe Diem; Under the greenwood tree; Blow, blow, thou winter wind; Fidele.*
Dekker, *The Happy Heart.*
Jonson, *The Noble Nature; Hymn to Diana; To Celia.*
Herrick, *Corinna's Maying; Counsel to Girls; To Daffodils.*
Herbert, *The Gifts of God.*
Lovelace, *To Lucasta; To Althea.*
Milton, *L'Allegro; Il Penseroso; On the Massacre; When the Assault was intended; On his Blindness; To Mr. Lawrence; Epitaph on Shakespeare.*
Marvell, *Song of the Emigrants; Horatian Ode.*
Vaughan, *The Retreat; A Vision.*
Dryden, *Alexander's Feast; Characters of Achitophel, Zimri and Shimei,* in *Absalom and Achitophel.*
Pope, *Solitude.*

B.—A careful reading of the following:

Pope, *The Rape of the Lock.*
Bunyan, *The Pilgrim's Progress, Vol. I.*
Swift, *Gulliver's Travels.*
Steele, *Essays.*
Scott, *Rob Roy.*

C.—An understanding of the following literary genres and metres: ballad, epic, lyric, sonnet, elegy, ode, pastoral poetry, burlesque; "ballad metre," blank verse, sonnet arrangement, Spenserian stanza, heroic couplet.

D.—A knowledge of English literary history as follows:

1. An outline of the growth of the novel from Defoe to Scott.
2. An outline of the development of English literature from Spenser to Pope, excluding the drama.

N.B.—For examination purposes the four sections—A, B, C and D—will be combined into three parts, to which marks will be assigned according to the following percentages:
Part I. (Section A)—50 per cent.
Part II. (Section B)—25 per cent.
Part III. (Sections C and D)—25 per cent.

Second Term:

A.—A critical study of the following poems:

Gray, *Elegy.*
Collins, *Ode to Evening.*
Cowper, *On Receipt of My Mother's Picture, The Poplar Field.*

Burns, *Tam O'Shanter, Night, My love's like a red, red rose, Bonnie Doon, To a Mouse.*
Blake, *Cradle Song, To the Muses, Piping down the valleys wild, Love's Secret, Infant Joy.*
Wordsworth, *The Affliction of Margaret, Yew Trees, There was a Boy, The Daffodils, England and Switzerland 1802, On the Extinction of the Venetian Republic, The World is too much with us, Milton, thou shouldst be living, By the Sea, Upon Westminster Bridge, The Inner Vision.*
Coleridge, *Kubla Khan, The Ancient Mariner.*
Lamb, *The Old Familiar Faces.*
Scott, *The Outlaw, County Guy, The Rover.*
Byron, *O talk not to me of a name great in story, Youth and Age.*
Shelley, *To the Moon, Music, When soft voices die, The Skylark, The West Wind.*
Keats, *The Eve of St. Agnes, The Eve of St. Mark, When I have fears.*
Tennyson, *Come down, O Maid, Milton, Break, break, break, Tears, idle tears.*
Browning, *My Last Duchess, Up at a Villa, Fra Lippo Lippi, Give her but a least excuse, Day.*
Arnold, *Philomela.*
D. G. Rossetti, *The Blessed Damozel.*
C. G. Rossetti, *My heart is like a singing bird, When I am dead.*
Swinburne, *Itylus.*

B.—A careful reading of the following:

Gray, *Eton College, The Fatal Sisters, On a Favourite Cat, The Bard.*
Collins, *Ode 1746.*
Cowper, *Loss of the Royal George, The Castaway; Essays.*
Goldsmith, *The Deserted Village, The Vicar of Wakefield.*
Burns, *Cotter's Saturday Night, Duncan Gray, Lament for Culloden.*
Crabbe, *The Village, Pt. I, Peter Grimes.*
Byron, *Childe Harold, Canto IV.*
Carlyle, *The Hero as Poet.*
Fitzgerald, *Rubaiyat.*
Tennyson, *Ulysses, Morte d'Arthur, The Lotus Eaters.*
Thackeray, *Henry Esmond.*

Kingsley, *Airly Beacon.*
Ingelow, *The High Tide.*
Arnold, *Sohrab and Rustum.*
Stevenson, *Essays.*
Yeats, *The Lake Isle of Innisfree.*
Masefield, *Sea Fever.*
Noyes, *The West Wind, Roadways.*

C.—A knowledge of English literary history from Gray to Arnold.

N.B.—On the examination paper marks will be assigned according to the following percentages:

Part I. (Section A)—50 per cent.
Part II. (Section B)—25 per cent.
Part III. (Section C)—25 per cent.

2 hours a week: 2 credits.

Text-books: *The English Parnassus* (Oxford).
Palgrave's *Golden Treasury* (Macmillan).
Selected English Essays (Oxford).
J. Buchan, *History of English Literature* (Nelson).
W. J. Long, *English Literature* (Ginn).
Scott, *Rob Roy* (Nelson).
Bunyan, *Pilgrim's Progress* (Nelson).
Swift, *Gulliver's Travels* (Nelson).
Goldsmith, *The Vicar of Wakefield* (Nelson).
Thackeray, *Henry Esmond* (Nelson, or Everyman's Library).
References: J. W. Hales, *Longer English Poems* (Macmillan).
Palgrave, *Golden Treasury* (Ed. Wheeler, Oxford).
W. J. Rolfe, *Milton's Minor Poems.*
Byron, *Poems* (Ed. Coleridge, Scribner).
Tennyson, *Poems* (With Author's Notes, Macmillan).
Browning, *Select Poems* (Ed. W. T. Young, Cambridge University Press).

11. **Public Speaking:** in this course the aim is to show the speaker how to affect a given audience, in a given way, in a given time. The ends of speech such as clearness, belief, impressiveness, action and entertainment are shown as determining the selection and arrangement of material. The speech is considered objectively in the light of its effect on an audience rather than subjectively. Exercises will be given to test the speaker's ability to gather, select, arrange and present material effectively.

1 hour per week: 1 credit.

Text-book: A. E. Phillips, *Effective Speaking* (Newton Company).

12. **Composition:** the mechanics of writing; essays prescribed every two weeks; outside reading and conferences.

Prescribed for all those in the first year.

1 hour per week: 1 credit.

Text-books: W. K. Smart, *Handbook of Effective Writing* (Harper).
E. C. Woolley, *Exercises in English* (Heath).
H. G. Palmer, *Self-Cultivation in English* (Houghton-Mifflin).

20. Shakespeare and Prose Selections.

First term:

A.—A critical study of:

Shakespeare, *Romeo and Juliet; Henry IV, Part I; Henry IV, Part II.*

B.—A careful reading of the following plays:

Everyman.
Shakespeare, *Richard II*, and *Much Ado about Nothing.*

C.—A careful reading of the selections in *English Prose, Vol. I* (Ed. Peacock, Oxford), and *Selected English Essays* (Ed. Peacock, Oxford), from the following writers: Tyndale, Holinshed, North, Spenser, Raleigh, Hakluyt, Sidney, Lyly, Marlowe, Authorized Version of the Bible, Bacon, Lord Herbert of Cherbury, Hobbes, Browne, Fuller.

D.—Outline of the development of English drama and prose to Shakespeare and Fuller.

E.—The facts of Shakespeare's life.

NOTE:—For examination purposes the above five sections, A, B, C, D, E, will be combined into two parts to which marks will be assigned according to the following percentages:
Part I. (Section A)—75 per cent.
Part II. (Sections B, C, D and E)—25 per cent.

Second Term:

A.—A critical study of:
Shakespeare, *Hamlet* and *The Tempest.*

B.—A careful reading of the following plays:
Shakespeare, *King Lear* and *Twelfth Night.*
Dekker, *Shoemakers' Holiday.*

C.—A careful reading of selections from Boswell's *Johnson*. and of the selections in *English Prose, Vols. II-III* (Peacock), and *Selected English Essays* from the following writers: Milton, Evelyn, Dryden, Pepys, Defoe, Swift, Addison, Richardson, Wesley, Fielding, Gray, Walpole, White, Adam Smith, Reynolds, Goldsmith, Burke, Gibbon, Sheridan and Frances Burney.

D.—Outline of the history of English prose literature in the eighteenth century.

N.B.—For examination purposes marks will be assigned according to the following percentages:

Part I. (Section A)—75 per cent.

Part II. (Section B, C and D)—25 per cent.

2 hours per week: 2 credits.

Text-books: New Hudson Shakespeare (Ginn).
Raleigh, *Shakespeare.*
J. Bailey, *A Shorter Boswell* (Nelson).
Long or Buchan, *History of English Literature.*

21. **Public Speaking:** a further development of effective speech and thought following the principles and methods set forth in English 11. Special attention to centering and phrasing, plans and outlines, etc., that the student may deliver extemporaneously and in a conversational way.

Prerequisite: English 11.

1 hour per week: 1 credit.

Text-book: Winans, *Public Speaking.*

22. **Composition and Rhetoric:** relation of material to style; essays prescribed every two weeks; outside reading and conferences.

1 hour per week: 1 credit.

Text-book: Foerster and Steadman, *Sentences and Thinking* (Houghton-Mifflin).

30. **Nineteenth Century Literature:** a special study of the following:

First Term:

Blake. *To Autumn, To the Evening Star, Fair Elenor, How Sweet I Roam'd, My Silks and Fine Array, Gwin, King of Norway, A War Song, Piping Down the Valleys Wild, The Little Black Boy, Holy Thursday (two), The Chimney Sweeper (two), On Another's Sorrow, The Tiger, The Clod and the Pebble, A Poison Tree, I told my love, I Heard an Angel singing, The Land of Dreams, Auguries of Innocence, From "Milton".*

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," 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, *Christabel, Frost at Midnight, Love, Dejection, Youth and Age, Kubla Khan.*

Scott, *Marmion* (except the introductions), *The Maid of Neidpath, Coronach (He is gone on the mountain), Jock of Hazeldean, Pibroch of Donald Dhu, "The sun upon the Weirdlaw Hill," Proud Maisie.*

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.*

The selections in *Readings in English Prose of the Nineteenth Century* (Ed. Alden, Houghton-Mifflin) from Coleridge, Lamb, Hazlitt and Landor; Wordsworth, *Prefaces of 1798 and 1800*; Austen, *Northanger Abbey*; Scott, *The Antiquary.*

Second Term:

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, "Bards of Passion and of Mirth," Ode on a Grecian Urn, To a Nightingale, In a Drear-Nighted December, To Autumn, La Belle Dame sans Merci.*

Tennyson, *The Palace of Art, St. Agnes' Eve, You Ask Me Why, Love Thou Thy Land, In Memoriam, 9-11, 18-23, 31-33, 54-56, 86-88, 97-113, 118-127, 130-131, Hands All Round, Milton, The Voyage, Northern Farmer* (Old Style), *The Higher Pantheism, Northern Farmer* (New Style), *To Virgil, Vastness, Crossing the Bar.*

Browning, *The Lost Leader, The Bishop Orders His Tomb, Time's Revenges, Two in the Campagna, Saul, Memorabilia, Popularity, A Grammarian's Funeral, Rabbi Ben Ezra, Abt Vogler, Confessions, Prospice, Epilogue to Asolando.*

Arnold, *The Strayed Reveller, The Scholar Gypsy, Morality, Thyrsis, Dover Beach, To a Friend, Second Best, A Summer Night, Requiescat, The Better Part, Growing Old.*

1. The selections in Alden's *Readings*, from DeQuincey, Macaulay, Carlyle (pp. 387-411), Newman, Ruskin, Arnold, Huxley, Pater (pp. 612-623), Stevenson (pp. 655-680).

2. Bagehot, *Wordsworth, Tennyson and Browning.*

3. Dickens, *Nicholas Nickleby;* George Eliot, *Silas Marner.*

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.

Text-books: *British Poets of the Nineteenth Century* (Sanborn).
Scott, *The Antiquary* (Nelson).
George Eliot, *Silas Marner* (Nelson).
Dickens, *Nicholas Nickleby* (Nelson).
C. H. Herford, *Age of Wordsworth* (Bell).
H. Walker, *Age of Tennyson* (Bell).

References: O. Elton, *A Survey of English Literature*, 1780-1830; 1830-1880.
Andrew Lang, *Letters to Dead Authors.*
Poems of Blake, Ed. Sir W. Raleigh (Oxford), *Preface*; also *Preface* in the Edition by W. B. Yeats (Boni and Liveright).
T. Seccombe, *Age of Johnson.*
G. M. Harper, *Life of Wordsworth.*
Sir W. Watson, *Wordsworth's Grave.*
Shelley, *Letter to Maria Gisborne, To Coleridge, To Wordsworth.*
Rossetti, *Five English Poets.*
F. Thompson, *Shelley.*
Sir Sidney Colvin, *Life of John Keats.*
Mrs. A. T. Orr, *Handbook to Browning.*
Browning, *Select Poems* (ed. W. T. Young).
S. P. Sherman, *Arnold, How to Know Him.*
L. Stephen, *Studies of a Biographer.*

31. **The English Novel:** the development of the English novel will be traced from its beginning to the present. Optional for students in the third and fourth years of the General Course. Those intending to take this course should read at least half the novels before the term opens. Not given in 1927-28. To be given in 1926-27.

Defoe, *Robinson Crusoe.*
Richardson, *Pamela.*
Fielding, *Joseph Andrews.*
Goldsmith, *The Vicar of Wakefield.*
Sterne, *The Sentimental Journey.*
Walpole, *The Castle of Otranto.*
Burney, *Evelina.*
Edgeworth, *Castle Rackrent.*
Scott, *Quentin Durward.*
Shelley, *Frankenstein.*
Austen, *Pride and Prejudice.*
Bronte, *Jane Eyre.*
Dickens, *Oliver Twist.*
Thackeray, *Vanity Fair.*
Reade, *The Cloister and the Hearth.*
Trollope, *Barchester Towers.*
Eliot, *Silas Marner.*
Hardy, *Tess of the D' Urbervilles.*
Meredith, *Evan Harrington.*
Stevenson, *The Master of Ballantrae.*
Conrad, *Lord Jim.*

Copies of these novels may be obtained in most cases in the Everyman's Library.
2 hours per week: 2 credits.

References: W. L. Cross, *The Development of the English Novel.*
Sir W. Raleigh, *The English Novel.*
C. Weygandt, *A Century of the English Novel.*
A. Chevalley, *The Modern English Novel.*

32. **Commerce Composition:** Letters, précis writing and themes.

Prerequisite: English 22.

1 hour per week: 1 credit.

33. **Canadian Literature:** a study of Canadian Prose and Poetry before and since Confederation. Optional for students in the third and fourth years of the General Course. Given in alternate years with English 31; given in 1927-28, not in 1926-27.

Text-books: E. K. and E. H. Broadus, *A Book of Canadian Prose and Verse* (Macmillan).
W. W. Campbell, *Oxford Book of Canadian Verse.*
W. D. Lighthall, *Canadian Poems and Lays* (Musson).
R. P. Baker, *A History of English Canadian Literature to Confederation* (Harvard University Press).

40. Recent English Literature.

First Term:

A.—Poetry since Tennyson: a study of the following:

The Oxford Book of Victorian Verse: Nos. 170, 175, 198, 205, 206, 213, 214, 221, 230, 241, 244, 245, 270, 274-5, 277, 290, 294, 297, 298, 304, 322, 324-7, 329, 341, 399-401, 405, 424, 426, 432-4, 452-5, 481, 493-4, 499, 508, 544-9, 583-4, 591, 595, 598.

British Poets of the Nineteenth Century:—Rossetti, *My Sister's Sleep*, *Sister Helen*, *The Portrait* (Sonnet), *Silent Noon.*

A. Methuen, *An Anthology of Modern Verse* (Methuen): the selections from Meredith, Hardy, Stevenson, Davidson, Bridges and Watson.

G. K. Chesterton, *The Victorian Age in Literature.*

Hugh Walker, *Literature of the Victorian Era* (Cambridge University Press).

O. Elton, *Survey of English Literature 1830-1880* (Arnold).

B.—Prose since Ruskin: a study of the following:

T. Hardy, *Wessex Tales.*

R. L. Stevenson, *Talk and Talkers* (Ed. W. L. Phelps), *Aes Triplex*, *Lantern-Bearers*, *Pulvis et Umbra*, *The English Admirals*, *Pan's Pipes.*

A. Birrell, *Obiter Dicta* (First Series):—*The Alleged Obscurity of Mr. Browning's Poetry*, *A Rogue's Memoirs*, *Falstaff.*

G. B. Shaw, *Fanny's First Play.*

Walker and Williams (see below).

H. Child, *Thomas Hardy* (Holt).

References: J. Drinkwater, *Victorian Poetry* (Hodder and Stoughton).
H. Williams, *Modern English Writers* (Sidgwick and Jackson).
S. A. Brooke, *Four Poets* (Duckworth).
Ward's *English Poets, Vol. V* (Macmillan).
Meredith, *Letters* (Scribner).
Lamborn, *Rudiments of Criticism* (Clarendon Press).
L. Abercrombie, *Thomas Hardy* (Kennerley).
J. Freeman, *The Moderns* (Robert Scott).
R. L. Stevenson, *Virginibus Puerisque* (Nelson).

Second Term:

A.—Poetry since Tennyson: a study of the following:

The Oxford Book of Victorian Verse: Nos. 601-2, 616, 619, 623-6, 643-5, 662-3, 666, 667, 670, 674-9, 689, 691, 706-7, 709, 723, 726-7, 729, 730, 738-9, 745-7 751, 753-65, 770, 771, 776-9.

Methuen's *Anthology*, the selections from A. E., Brooke, Flecker, Davies, De la Mare, Graves, R. Hodgson, Kipling, R. Macaulay, Masefield, Moore, Newbolt, Nichols, Sassoon, Shove, Squire, Thomas, Thompson, Turner and Yeats.

Georgian Poetry, 1913-15, 1916-17: The selections from the same authors as above, so far as represented.

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

Hugh Walker, *Literature of the Victorian Era* (Cambridge University Press).

B.—Prose since Ruskin: a study of the following:

A. C. Bradley, *Poetry for Poetry's Sake* in *Oxford Lectures* (Macmillan).
H. G. Wells, *The Undying Fire* (Macmillan).
Selected Modern English Essays (Oxford).
R. Lynd, *The Passion of Labour*.
J. D. Beresford, *Wells* (Holt).

References: H. Williams, *Modern English Writers* (Sidgwick and Jackson).
M. Sturgeon, *Studies of Contemporary Poets* (Dodd, Mead).
R. Lynd, *Old and New Masters* (Dent), *The Art of Letters* (Unwin).
R. Scott-James, *Personality in Literature* (Secker).
B. Matthews, *Study of Versification* (Houghton).
J. Middleton Murry, *Aspects of Literature* (Collins).
A. Clutton-Brock, *Essays on Books*, *More Essays on Books* (Methuen).

2 hours per week: 2 credits.

41. **Mediaeval Literature:** a short study of the period culminating in Chaucer, with special study of:

First Term:

Geoffrey of Monmouth (I-III, IX-X), in translation (Dent).

Gottfried von Strassburg, *Tristan and Iseult*, in translation (Nutt).

Dante, *Inferno*, *Cantos 1, 3, 5, 8-10, 16 (ll, 91-136), 19, 21, 22, 26, (ll, 84-142)*, 28 *(ll, 118-142), 32, 33; Purgatorio, Cantos 1, 27-33; Paradiso, Cantos 1, 33* (Dent).

Piers Plowman, *Prologue* and *Passus III-IV*.

Gawain and the Green Knight (Nutt, or Houghton-Mifflin); *Perle*.

Gummere, *Ballads*, pages 1-104, 116-122, 130-141, 144-5, 159-61, 197-205, 260-2, 283-92. 295-6 (Ginn).

Second Term:

Chaucer, *Former Age, Parlement of Foules, Troilus and Criseyde V, Balades, Canterbury Tales (Prologues, framework, tales of the knight, prioress, Sir Thopas, the nonne preest, the pardoner)* (Oxford).

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

1 hour per week: 1 credit.

100. English Verse and Prose:

A.—A critical study of the following:

Jonson, *To the Memory of Shakespeare.*
Milton, *L'Allegro, Il Penseroso, Epitaph on Shakespeare, Lycidas.*
Marvell, *Horatian Ode.*
Dryden, *Absalom and Achitophel I, Alexander's Feast.*
Pope, *Rape of the Lock.*
Gray, *Eton College, Elegy, Progress of Poesy, The Fatal Sisters.*
Collins, *Evening.*
Goldsmith, *Retaliation.*
Cowper, *Table Talk, 544-739; Retirement, 1-98, 219-278, 365-452, 559-602, 677-779; I am monarch, etc.; Winter Evening, 429-552, 691-779; My Mother's Picture, The Colubriad, The Retired Cat, To Mary.*
Crabbe, *The Village I, Peter Grimes.*
Blake, as in English 10, with additions.
Burns, as in English 10, with additions.
Coleridge, *The Ancient Mariner, Kubla Khan, To a Gentleman.*
Byron, *Vision of Judgement.*
Keats, as in English 10.
Tennyson, *Locksley Hall, Oenone, Milton.*
Browning, *My Last Duchess, Fra Lippo, Andrea, Caliban.*

B.—A careful reading of the following:

Pope, *An Essay on Criticism.*
The selections from Steele to Stevenson in *Selected English Essays.*
Swift, *Gulliver's Travels.*
Johnson, *Preface to Shakespeare, Life of Savage.*

Gray, *The Bard.*
Collins, *Ode on the Superstitions of the Highlands.*
Goldsmith, *The Vicar of Wakefield, She Stoops to Conquer.*
Sheridan, *The School for Scandal.*
Byron, *Childe Harold, Canto IV.*
Fitzgerald, *Rubaiyat.*

Prescribed with English 102 for first year students in Honour English courses.

2 hours per week: 2 credits.

Text-books: *The English Parnassus* (Oxford).
Selected English Essays (Oxford).
Long, *History of English Literature.*

102. **Composition:** introduction to the theories of Literary Criticism; essays prescribed every two weeks; readings and conferences.

1 hour per week: 1 credit.

Text-books: W. K. Smart, *Handbook of Effective Writing* (Harper).
E. C. Woolley, *Exercises in English* (Heath).
L. W. Smith, *The Mechanism of English Style* (Oxford).

200. **Epochal Works:** a study of the following texts:

Spenser, *Faerie Queene I.*
Shelley, *Song to the Men of England, The Mask of Anarchy, Prometheus Unbound, Ode to Liberty, Prologue to Hellas, Hellas.*
Browning, *Bishop Blougram's Apology.*
Arnold, *Empedocles, The Buried Life.*
Austen, *Pride and Prejudice* (Nelson).
Scott, *Guy Mannering* (Nelson).
Brontë, *Jane Eyre* (Nelson).

Prescribed with 202 and 220 for second year students in the Honour English courses.

2 hours per week: 2 credits.

Text-book: *The English Parnassus* (Oxford).

202. **Composition: Literary Criticism:** a study of the critical theories of Aristotle, Sidney, Wordsworth and Shelley; selected critical essays from contemporary writers; essays prescribed every two weeks; readings, reports and conferences.

1 hour per week: 1 credit.

Text-books: Foerster and Steadman, *Sentences and Thinking* (Houghton-Mifflin).
Aristotle, *The Art of Poetry,* ed. by Lane Cooper (Harcourt, Brace).
Sidney, *Defence of Poesy,* ed. by A. S. Cook (Ginn).
Wordsworth, *Prefaces,,* ed. by A. J. George (Heath).
Shelley, *Defence of Poetry,* ed. by A. S. Cook (Ginn).

220. Identical with English 20.

300. Identical with English 30.

301. **Anglo-Saxon and Early Middle English Literature.**

First Term:

Anglo-Saxon Grammar: translation of the following passages from Bright's *Anglo-Saxon Reader*: Selections I, III, V, VI, VIII, XII, XVI (to line 20 on page 100), XX, XXI, XXIII.

Second Term:

English Literature before Chaucer. Required readings arranged to illustrate the development of English literature from Widsith to Chaucer.

2 hours per week: 2 credits.

Text-books: *Anglo-Saxon Reader*, ed. by J. W. Bright.
The Cambridge Book of Prose and Verse, ed. by G. Sampson.

341. Identical with English 41.

343. **Chaucer:** a reading course.
1 hour per week: 1 credit.
Prerequisites: 200, 202, 220.

400. The same as English 40: Prescribed with 401, 402, 403, 404, for fourth year students in the Honour English courses.
2 hours per week: 2 credits.
Prerequisites: English 300, 301, 341, 343.

401. **The Elizabethan Drama:** the aim of this course is to trace the rise of English Drama and to study Shakespeare as a dramatist. The following plays will be read carefully:

Noah's Flood; Sacrifice of Isaac; Secunda Pastorum.
Heywood, *The Foure PP.*
Udall, *Ralph Royster Doyster.*
Sackville and Norton, *Gorboduc.*
Lyly, *Campaspe.*
Greene, *Friar Bacon and Friar Bungay.*
Kyd, *The Spanish Tragedy.*
Marlowe, *Tamburlaine, Edward II.*
Dekker, *The Shoemakers' Holiday.*
Jonson, *Every Man in his Humour.*

Beaumont and Fletcher, *The Knight of the Burning Pestle.*
Webster, *The Duchess of Malfi.*
Shakespeare, *Othello, Antony and Cleopatra, Tempest;* (critically) *Midsummer Night's Dream, Lear, Coriolanus.*

2 hours per week: 2 credits.

Text-books: J. Q. Adams, *Chief Pre-Shakespearean Dramas.*
W. A. Neilson, *The Chief Elizabethan Dramatists.*

402. Elizabethan and Caroline Literature:

The English Parnassus (Oxford) and *Pageant of English Poetry* (Oxford), from Sackville to Vaughan; Palgrave, *Golden Treasury of Songs and Lyrics, Books 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;* Brown, *Religio Medici;* H. Craik, *English Prose Selections, Vol. II.*

2 hours per week: 2 credits.

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

(A) Thought:
J. S. Mill, *Utilitarianism, Liberty.*
T. Carlyle, *Past and Present.*
J. Ruskin, *Unto This Last.*
M. Arnold, *Sweetness and Light, Equality.*
J. R. Seeley, *The Enthusiasm of Humanity.*
W. E. H. Lecky, *The Stoics.*
J. Royce, *Loyalty and Insight.*
T. Huxley, *The Physical Basis of Life.*
C. Darwin, *Mental Powers of Men and Animals.*
A. R. Wallace, *The Importance of Dust.*
L. Stephen, *An Agnostic's Apology.*

(B) Criticism:
W. Wordsworth, *Prefaces to Lyrical Ballads, 1798, 1800; Preface to Poems (1815), Essay Supplementary to Preface (1815).*
S. T. Coleridge, *Biographia Literaria 17, 18.*
J. Ruskin, *Pre-Raphaelitism.*
M. Arnold, *Literature and Science, The Function of Criticism, The Study of Poetry, On Translating Homer, Wordsworth.*

W. Pater, *Style, Wordsworth, Coleridge, Charles Lamb, Sir Thomas Browne.*
L. Stephen, *Sir Thomas Browne.*
J. M. Robertson, *Ruskin.*
R. L. Stevenson, *A Gossip on Romance, Burns.*
J. A. M. Whistler, *Ten o'Clock.*
G. Meredith, *An Essay on Comedy.*
G. L. Dickinson, *Greek Tragedy.*

2 hours per week, one term: 1 credit.

404b. **The History of the English Language:** the object of this course is to give a systematic presentation of the development of the English Language from the earliest records to the present, with special reference to the historical explanation of living forms.

2 hours per week, one term; 1 credit.

References: See the various Histories of the English Language by Emerson, Smith, Jespersen, Lounsbury, Wyld, Krapp and Sweet.

Courses Leading to M.A.

500. **Contemporary English Literary Criticism** (being a continuation of 403-B).

Recent developments in aesthetics, in the theory and practice of poetry, metre and prose rhythms, in reviewing, and in the study of literary forms, such as lyric, epic, sonnet, epigram and essay, will be surveyed, with concrete illustrations.

Among the books used or referred to in this course are the following:

Kant, *Critique of Aesthetic Judgment.*
Hegel, *Aesthetics.*
Bosanquet, *History of Aesthetic* (1904).
Croce, *Aesthetics.*
Bergson, *Selections, and Studies of.*
Saintsbury, *History of Criticism.*
Brunetiere, *L'Evolution de la Poésie en France au 19e Siècle* (Paris, 1895).
J. M. Robertson, *New Essays Toward a Critical Method.*
A. C. Bradley, *Oxford Lectures on Poetry.*
Raleigh, *Style, Milton.*
J. Mackail, *Lectures on Poetry.*
A. Symons, *The Symbolist Movement in Literature, Studies in Prose and Verse.*
G. Santayana, *Interpretations of Poetry and Religion, Three Philosophical Poets, Winds of Doctrine.*
I. Babbitt, *The New Laocoon, Rousseau and Romanticism.*
E. F. Carritt, *The Theory of Beauty.*
Scott-James, *Personality in Literature.*
T. S. Omond, *A Study of Metre.*
A. Clutton-Brock, *Essays on Books* (Methuen).
J. Middleton Murry, *Countries of the Mind, Aspects of Literature, The Problem of Style.*
O. Williams, *Contemporary Criticism of Literature* (Parsons).

Also books and articles by Bridges, Elton, Newbolt, Bailey, More, Gayley, Spingarn, Lowes, Lynd, Abercrombie.

501. **The Literary Essay from Bacon to the Present.**

In this course the development of the Essay will be traced from Bacon to the present time; the more important essays and essayists will be discussed and the Essay as a literary type will be critically examined.

DEPARTMENT OF GEOLOGY

J. W. RUSSELL, M.A., Associate Professor

20. An Introductory Course in **General Geology and Meteorology:** (1) structure of the earth as a whole, and its astronomic relations to the other heavenly bodies; description and classification of the rocks of the lithosphere; rock weathering and soils; the common ores and their occurrence; erosion and deposition of sediments; fossils local to southwestern Ontario, and their interpretation; topographical features of the earth; an outline of the geological time: (2) accumulation of sediments, and deformation; mountain building, metamorphism and structural features resulting; volcanism; rivers, lakes and coastal features; glaciers and glacial deposits; a study of the Pleistocene ice age with reference to Ontario; the atmosphere, its composition, extent and circulation, the meteorological elements and weather forecasting; ocean currents and tides.

Laboratory work will consist in identifying specimens of minerals, rocks and fossils with field trips to various limestone quarries and for the interpretation of the glacial features of Ontario.

4 hours per week: 3 credits.

Prerequisite: Middle School Chemistry, or Chemistry 11.

Text-books: Pirsson and Schuchert, *Introductory Geology.*
Milham, *Introductory Meteorology.*

30. **Structural and Historical Geology:** (1) principles of earth movements, deformation, faulting, mountain building and peneplanation; elevation and depression; volcanism and deposition of ores; classification of ores and ore deposits: (2) study of fossil animal and plant life; fossils as indications of the timemarkers; historical evolution of America; geological age of the rocks of Ontario.

Laboratory work will consist in collecting and identifying Palaeozoic fossils; in examining rock, mineral and ore specimens.

3 hours per week: 3 credits.

Prerequisites: Upper School Biology or Botany 10 and Zoology 10; Geology 20.

Text-books: Pirsson and Schuchert, *Introductory Geology.*
Shimer, *Introduction to Study of Fossils.*

40. **Mineralogy:** lectures on descriptive mineralogy, with laboratory work on blow-pipe analysis, and wet methods of mineral identification.

1 lecture and 4 laboratory hours per week: 3 credits.

Text-books: Ford, *Dana's Manual of Mineralogy.*
Warren, *Determinative Mineralogy.*

Honour Courses

100. **General Geology:** for students in honour courses in General Science, Geology, and Biology.

(1) Structure of the earth as a whole: description and classification of minerals, rocks and soils; ores and their depositions; rock weathering and the deposition of sediments; the principles of earth movements, deformation, metamorphism, volcanism; mountain building, faulting and rock structures resulting therefrom; glaciers, and glacial deposits with special reference to the Pleistocene ice sheet of North America.

(2) Identification of the invertebrate fossils local to southwestern Ontario, and an outline of Historical Geology; age relation of the rocks of Ontario; elementary Meteorology.

The laboratory work consists in examination and identification of specimens of minerals, rocks, ores, and fossils with a collection from the local neighborhood.

3 hours per week, with field trips: 3 credits.

Prerequisites: complete entrance requirements for an Honour Science Course or Chemistry 11, Botany 10 and Zoology 10 taken concurrently.

Text-books: Pirsson and Schuchert, *Text-Book of Geology.*
Milham, *Elementary Meteorology.*

200. **Historical Geology and Introductory Paleontology:** an historical outline of the continents with special reference to North America; a study of invertebrate and vertebrate fossils and plant fossils. For students in the honour courses in General Science, Geology and Biology.

4 hours per week, with field trips: 3 credits.

Prerequisite: Geology 100.

Text-book: Pirsson and Schuchert, *Text-Book of Geology, Part II.*
References: Grabau, *Text-Book of Geology, Part II.*
Chamberlain and Salisbury, *College Geology.*
Shimer, *Introduction to Study of Fossils.*
Woods, *Paleontology.*
Zittel, *Text-Book on Palaeontology.*

300. **Mineralogy:** lectures on Descriptive and Determinative Mineralogy; blow-pipe analysis; wet methods and assaying methods: introduction to optical mineralogy.

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

Text-books: Warren, *Determinative Mine alogy.*
Dana, *Text-Book of Mineralogy.*
Winchel, *Elements of Optical Mineralogy.*

301. **Economic Geology:** a course of lectures with reading and laboratory work.

Textbooks: Lindgren, *Mineral Deposits.*
Emmons, *Economic Geology.*

400. **Petrography:** a course on igneous rocks; the processes of crystallization from magmas; examination, with the petrographic microscope, of rock sections.

Text-books: Luquer, *Minerals in Rock Sections.*
Iddings, *Igneous Rocks.*

401. **Regional Geology of Canada** with descriptions of the Geology of the various mining camps. A reading course based on the recent government reports.

402. **Field Geology:** a course of lectures with field work to give practice in surveying, mapping, and map reading.

403. **History of Geology:** a reading course in the development of the geological sciences.

DEPARTMENT OF GERMAN LANGUAGE AND LITERATURE

University College

N. C. JAMES, PH.D., LL.D., Professor
R. A. ALLEN, M.A., Instructor

Waterloo College

REV. H. SCHORTEN, Associate Professor

1. **Preparatory German:** the work of the middle school or its equivalent is covered.

3 hours per week: 3 credits.

Texts: High School German Grammar.
Guerber, *Märchen und Erzählungen* (Heath).
Wilhelmi, *Einer muss Heiraten.*

10. Grammar, pronunciation, translation from English into German, translation at sight from easy modern German prose.

3 hours per week: 3 credits.
Prerequisite: Middle School German or German 1.

Texts: High School German Grammar.
Stern, *Geschichten von deutschen Städten, Vol. I.*
Baumbach, *Waldnovellen.*

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, Vol. II.*
Fulda, *Das verlorene Paradies.*
Carmen Sylva, *Aus meinem Königreich.*
Meyer, *Gustav Adolfs Page.*
Supplementary Reading.

30. Grammar, translation into German, outline of German literature from the beginning up to 1740.

3 hours per week: 3 credits.
Prerequisite: German 20.

Texts: Lessing, *Minna von Barnhelm.*
Heine, *Prosa* (Buchheim Edition).
Auf der Sonnenseite (Heath).

35. The reading of scientific works in German.

1 hour per week: 1 credit.
Prerequisite: German 10.

40. Grammar, translation into German, outline of the history of German literature from 1740 to the present.
3 hours per week: 3 credits.
Prerequisite: German 30.

Texts: Schiller, *Jungfrau von Orleans.*
Goethe, *Iphigenie.*
Freytag, *Journalisten.*

45. The reading of scientific works in German.
1 hour per week: 1 credit.
Prerequisite: German 35.

100. Grammar, pronunciation, translation into German, translation from modern German, history of German literature up to 1500.
4 hours per week: 4 credits.
Prerequisite: Upper School German or German 10.

Texts: Stern, *Geschichten von deutschen Städten, Vol. II.*
Fulda, *Das verlorene Paradies.*
Carmen Sylva, *Aus meinem Königreich.*
Meyer, *Gustav Adolfs Page.*
Supplementary Reading.

200. Outline of history of German literature from 1500 to 1740.
3 hours per week: 3 credits.
Prerequisite: German 100.

Texts: Schiller, *Jungfrau von Orleans.*
Schiller, *Wilhelm Tell.*
Hatfield, *German Lyrics and Ballads* (As in 20).
Scheffel, *Ekkehard.*

201. Grammar, conversation, translation into German.
1 hour per week: 1 credit.
Prerequisite: German 100.

300. A general acquaintance with German literature from Gottsched to the death of Schiller. The life and works of Lessing and Heine.
2 hours per week: 2 credits.
Prerequisite: German 200.

Texts: Lessing, *Minna von Barnhelm.*
Lessing, *Nathan der Weise.*
Heine, *Prosa* (Buchheim Edition).

301. Grammar, conversation, translation into German.
1 hour per week: 1 credit.
Prerequisite: German 200, 201.

310. The life and works of Goethe.
2 hours per week: 2 credits.
Prerequisite: German 200.

Texts: Goethe, *Hermann und Dorothea.*
Goethe, *Iphigenie.*
Goethe, *Faust.*

400. A general acquaintance with the German Literature of the nineteenth century.
4 hours per week: 4 credits.
Prerequisite: German 300.

Texts: Kleist, *Prins von Homburg.*
Oxford Book of German Verse (Selections beginning with Novalis).
Hebbel, *Agnes Bernauer.*
Grillparzer, *Sappho.*
Ludwig, *Zwischen Himmel und Erde.*
Keller, *Romeo und Julia auf dem Dorfe.*
Sudermann, *Der Katzensteg.*

401. Grammar, conversation, translation into German.
1 hour per week: 1 credit.
Prerequisite: German 300 and 301.

402. **Elements of Middle High German Grammar.** History of Middle High German literature with reading of selected texts.
1 hour per week: 1 credit.
Prerequisite: German 300, 301.

DEPARTMENT OF HEBREW

University College

REV. C. C. WALLER, M.A., D.D., F.A.G.S., Professor

Waterloo College

REV. H. HENKEL, Lecturer

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*, twentieth 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.*

The Professor reserves the right to rearrange or change the prescription of authors in any year of the pass and honour courses for the intramural students.

General Courses

10. Grammar, selections and exercises in translation from English to Hebrew and from Hebrew to English; translation of *Genesis, 1-4,* 18*; Psalms, 2, 8, 19, 23, 51.* 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 37, 40-45; Exodus 1-4; 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, 16, 24, 29, 37, 45, 50, 80, 84, 90, 110, 121-134; 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 prescriptions in Hebrew 10 and *Exodus 1-4, 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 37, 40-45;* introduction to prophetic writings; *Amos; Isaiah 1-6, 40, 50-55; Jeremiah 7; Ezekiel 14.*

4 hours per week; 4 credits.

300. Grammar, syntax, pointing, composition, sight translation; introduction to poetical writings; principles of Hebrew poetry; *Numbers 23, 24; Psalms 1, 16, 24, 29, 37, 45, 50, 80, 84, 90, 110, 121-134; 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, sight translation; the *Psalms* not previously read.
3 hours per week: 3 credits.
Prerequisites: Hebrew 300.

401. Aramaic; Brown, *Aramaic Method, Parts I, II;* exercises, grammar, syntax, pointing, composition.
3 hours per week: 3 credits.
Prerequisite: Hebrew 300.

DEPARTMENT OF HISTORY

University College

A. G. DORLAND, M.A.,	Professor
F. LANDON, M.A.,	Associate Professor
K. P. R. NEVILLE, PH.D.,	Professor of Ancient History
W. CLIFFORD MARTIN, PH.D.,	Assistant Professor
RUTH DAVIS, M.A.,	Reader

Assumption College

REV. J. S. NICHOLSON, M.A.,	Instructor

Ursuline College

M. M. ST. MICHAEL, M.A.,	Professor
M. M. BONAVENTURE, M.A.,	Instructor
M. M. ST. JAMES, M.A.,	Instructor

Waterloo College

DEAN A. O. POTTER, PH.D.,	Professor

20. **Ancient Civilizations:** Early Egyptian, Babylonian, Hebrew History; Greece; Rome to 200 A.D. Lectures, reading and essays.
3 hours per week: 3 credits.

Text-book: Breasted, *Ancient Times* (Ginn).

29a. **History of Political Theory:** an Introduction to Political Theory; a study of the development of the science of politics. Lectures; prescribed readings; essays. Offered in Waterloo College only.
2 hours per week, first term: 1 credit.

References: W. A. Dunning, *Political Theories.*
J. W. Garner, *Introduction to Political Science.*
S. Leacock, *Elements of Political Science.*
Willoughby and Rogers, *An Introduction to the Problem of Government.*

29b. **Development of Government in Canada:** a critical study of Canada's status as a political entity. Lectures; prescribed readings; essays. Offered in Waterloo College only.
2 hours per week, second term: 1 credit.

References: Sir R. L. Borden, *Canadian Constitutional Studies.*
Viscount Bryce, *Modern Democracies.*
A. B. Keith, *Responsible Government in the Dominions, War Government in the Dominions.*
W. P. M. Kennedy, *Documents of the Canadian Constitution.*
A. O. Potter, *Canada as a Political Entity.*
W. S. Scott, *Canadian Constitution Historically Explained.*

30a. **Mediaeval History (295-1300):** lectures, prescribed reading and essays.
3 hours per week, first term: 1½ credits.

Text-book: Munro, *The Middle Ages* (Century).

30b. **The Renaissance and The Reformation (1300-1600):** lectures, prescribed reading and essays.
3 hours per week, second term: 1½ credits.

Text-book: Hulme, *The Renaissance and The Reformation* (Century).

31. **History of Canada:** lectures and prescribed reading. This course includes the early explorations, the form of government and the institutions of the French regime, and the British period to the present time. (See 301).
2 hours per week: 2 credits.

40a. **Modern History (1600-1815):** lectures, prescribed reading and essays. The period down to 1763 will be reviewed in outline with a more detailed study of the Revolutionary and Napoleonic era.
3 hours per week, first term: 1½ credits.
Prerequisite: History 30a, 30b or an equivalent.

Text-books: Hoyland, *Modern European History, 1494-1914* (G. Bell & Sons).
Hayes, *A Political and Social History of Modern Europe, 1500-1815, Vol. I* (Macmillan).
Robinson and Beard, *Readings in Modern European History, Vol. I.*

40b. **Modern History (1815-1915):** lectures, prescribed reading and essays. The growth of nationalism and of democracy in Europe; the colonial and commercial expansion of the European nations as the background of the Great War will be especially studied.
3 hours per week, second term: 1½ credits.
Prerequisite: History 30a, 30b or an equivalent.

Text-books: Hayes, *A Political and Social History of Modern Europe, 1815-1915, Vol. II* (Macmillan).
Robinson and Beard, *Readings in Modern European History, Vol. II.*

42. **The Mediaeval Background of English Constitutional History:** lectures, prescribed reading and essays. A special study will be made of the origin of the English constitution. The following topics will be considered: Anglo-Saxon institutions and government; Norman institutions and government; the development of the Judicature; Magna Carta; the growth of Parliament; the legal reforms of Edward I; the Lancastrian Experiment in Constitutional Government; the Yorkist Reaction.

3 hours per week, first term: 1½ credits.

Prerequisite: History 30a, 30b.

Text-books: Adams, *Origin of the English Constitution* (Yale University Press).
Masterman, *History of the British Constitution.*
Adams and Stephens, *Select Documents of English Constitutional History.*
References: Maitland, *Constitutional History of England.*
Stubbs, *Constitutional History of England.*
Taswell-Langmead, *English Constitutional History.*
Adams, *Constitutional History of England.*

43. **The Development of Colonial Self-Government in the British Empire:** lectures, prescribed reading and essays. The lectures will be grouped under the following heads: British Colonial Policy at the beginning of the Nineteenth Century; the Colonial Reformers; the development of self-government in Canada, Australasia and South Africa; the constitution of Canada, of the Australian Commonwealth, of South Africa and of the Irish Free State; the growth of colonial nationalism.

3 hours per week, second term: 1½ credits.

Prerequisite: History 30a, 30b.

Text-books: Barnard, *The Expansion of Anglo-Saxon Nations.*
Currey, *British Colonial Policy.*
Egerton, *Federations and Unions in the British Empire.*
Scott, *Short History of Australia.*
Fairbridge, *History of South Africa.*
References: Egerton, *Short History of British Colonial Policy.*
Lucas, *History of South Africa, Part I-II.*
Select Speeches of Sir William Molesworth, edited by Egerton.
Keith, *Responsible Government in the Dominions.*
Oxford Survey of the British Empire.

44. **History of the United States:** the colonial period, the revolution, making of the constitution, westward development, the slavery struggle, the Civil War, reconstruction and later political history to the present day. Attention will be given to the character of both federal and state government. The period down to the Civil War will be covered in the first term and the period since the Civil War in the second term.

Lectures and prescribed readings with essays for extra-mural students.

2 hours per week: 2 credits.

Prerequisite: History 30.

Text-books: Muzzey, *United States of America, Vol. I* (Ginn).
Lingley, *Since the Civil War* (Century), or
Muzzey, *United States of America, Vol. II* (Ginn).

Reference: *The American Nation.*

Honour Courses

105. **History of England to 1713:** with special emphasis upon the social life of the English people and upon the Renaissance and Reformation in England. Lectures and prescribed readings with essays for extra-mural students. Students in this course are expected to do considerable reading.

Prescribed for students taking the Honour Courses in History, and in Economic and Political Science.

2 hours per week: 2 credits.

Text-books: Cheyney, *Short History of England* (Ginn).
Warner and Martin, *Groundwork of British History* (Blackie).

200a. **Mediaeval History (295-1300):** lectures, prescribed reading and essays.

3 hours per week, first term: 1½ credits.

Prerequisite: History 105.

Text-book: Munro, *The Middle Ages* (Century).

References: Gibbon, *Decline and Fall of The Roman Empire.*
Firth, *Constantine.*
Gardner, *Julian.*
Bradley, *The Goths.*
Milman, *History of Latin Christianity.*
Montalembert, *Monks of the West.*
Henderson, *A Short History of Germany.*
Sergeant, *The Franks.*
Davis, *Charlemagne.*
Bryce, *The Holy Roman Empire.*
Mathew, *Life and Times of Hildebrand, Pope Gregory VII.*
Curtis, *Roger of Sicily.*
Cambridge Mediaeval History.
Emerton, *The Middle Ages.*
Taylor, *The Mediaeval Mind.*

200b. **The Renaissance and The Reformation (1300-1600):** lectures, prescribed reading and essays.
3 hours per week, second term: 1½ credits
Prerequisite: History 105

Text-book: Hulme, *Renaissance and Reformation* (Century).
References: Burckhardt, *The Renaissance in Italy.*
Smith, P., *The Age of the Reformation.*
Pater, *The Renaissance.*
Dark, *The Story of the Renaissance.*
Sabatier, *Life of St. Francis of Assisi.*
Wells, *St. Francis of Assisi.*
Smith, P., *Erasmus.*
Huizinga, *Erasmus.*
Smith, P., *Luther.*
Vedder, *Hubmaier.*
Lea, *History of the Inquisition.*
Thompson, *Wars of Religion in France.*
Taylor, *Thought and Expression in the Sixteenth Century.*

300a. **Modern History (1600-1815):** for details, see History 40a. Honour students will be required to do special reading and reports in this course. Note references listed below.
3 hours per week, first term: 1½ credits.
Prerequisite: History 200a, 200b.

Text-books: Hoyland, *Modern European History, 1494-1914* (G. Bell & Sons).
Hayes, *A Political and Social History of Modern Europe, 1500-1815, Vol. I* (Macmillan).
Robinson and Beard, *Readings in Modern European History, Vol. I.*
References: Kitchin, *History of France.*
Wakeman, *The Ascendancy of France.*
Seeley, *Expansion of England.*
Perkins, *France under the Regency.*
Perkins, *France under Louis XV.*
Young, *Travels in France.*
Lowell, *Eve of the Revolution.*
Madelin, *The French Revolution.*
Rose, *Revolutionary and Napoleonic Era.*
Fisher, *Napoleon.*

300b. **Modern History (1815-1915):** for details of course, see History 40b. Honour students will be required to do special reading and reports in this course. Note references listed below.
3 hours per week, second term: 1½ credits.
Prerequisite: History 200a, 200b.

Text-books: Hayes, *A Political and Social History of Modern Europe, 1815-1915, Vol. II* (Macmillan).
Robinson and Beard, *Readings in Modern European History, Vol. II.*
References: Fife, *History of Modern Europe, 1792-1878.*
Gooch, *History of Modern Europe, 1878-1919.*
Marriott, *England since Waterloo.*
Rose, *Development of Modern European Nations.*
Von Bulow, *Imperial Germany.*
Muir, *Expansion of Europe.*
Gibbons, *New Map of Africa.*
Gibbons, *New Map of Europe.*
Seymour, *Diplomatic Background of the Great War.*

301. **History of Canada:** early explorations; government and institutions of the French regime; British rule in Canada, to Confederation and later; political history of Ontario and Quebec.

Lectures and prescribed readings, with essays for extramural students. Students in this course will be expected to do wide reading in *The Chronicles of Canada, The Makers of Canada, Canada and Its Provinces*, etc.

2 hours per week: 2 credits.

400. **British Political Parties:** a reading and lecture course conducted in connection with weekly seminars. Fourth year honour intramural students only admitted to this course. Lectures and discussions will be grouped around the following topics: The Rise of the Tory and Whig Parties; the Revolution of 1688; the Tory Reaction in the Reign of Anne; the "Reign of the Whigs"; the experiment in personal government of George III; the Disruption of the old Whig Party; the new Tory Party under Pitt; the Growth of Parliamentary Reform and Free Trade; Peel and Liberal Conservation; Disraeli and Democratic Toryism; Gladstone and Modern Liberalism; the Irish Parliamentary Party; the Unionist Party.

3 hours per week: 3 credits.

Text-books: Traill, *Shaftesbury.*
Morley, *Walpole.*
Macaulay, *Essay on Pitt.*
Morley, *Burke.*
Trevelyan, *Early History of Charles James Fox.*
Rosebery, *Pitt.*
Thursfield, *Peel.*
Morley, *Cobden.*
Froude, *Beaconsfield.*
Morley, *Life of Gladstone.*

References: Hunt-Poole, *Political History of England.*
Lecky, *History of England in the Eighteenth Century.*
Wallas, *Life of Francis Place.*
Trevelyan, *Earl Grey of the Reform Bill.*
Williams, *Life of William Pitt, Earl Chatham.*
Monypenny and Buckle, *Life and Letters of Benjamin Disraeli.*
Trevelyan, *Life of John Bright.*

402. **The Mediaeval Background of English Constitutional History:** for details, see History 42. Honour students will be required to do special reading and reports in this course. Prescribed for students of the fourth year in the Honour Courses in History and Economic and Political Science.

3 hours per week, first term: 1½ credits

403. **The Development of Colonial Self-Government in the British Empire:** for details, see History 43. Honour students will be required to do special reading and reports in this course. Prescribed for students of the fourth year in the Honour Courses in History and in Economic and Political Science.

3 hours per week, second term: 1½ credits.

404. **History of the United States:** see History 44. Prescribed for students of the fourth year in the Honour Courses in History. Lectures and prescribed reading.

2 hours per week: 2 credits.

Courses Leading to M.A.

500. **Colonial and Imperial History:** a seminar course in Colonial and Imperial problems for advanced students who have the necessary prerequisite courses, or for graduate students.

504. **American History:** a seminar course in selected problems in Canadian and United States history for advanced students who have the necessary prerequisite courses, or for graduate students.

The hours and credits to be assigned for 500 and 504 will be decided by the Department. Students desiring to take these courses must notify the Department of their intention not later than the June preceeding the Fall Term in which the work will be taken.

DEPARTMENT OF LAW

F. E. PERRIN, B.A., Lecturer

500. **Domestic Relations:** Eversley, substituting the Canadian Statutes for the English sections in the text-book. The parts to be read are: Part I: ch. 1 to 11 (in 10 leave out Statutes and read our Married Woman's Property Act); ch. 13 to page 278, ch. 16 and 17 to page 454; Part II: ch. 1 to 6, inclusive; Part III: ch. 1 to 7, inclusive; Part IV: ch. 1 to 3 inclusive, and ch. 7; Part V: ch. 1 to 4, inclusive, and ch. 7.

Text-book: Eversley, *Domestic Relations.*

501. **Corporations.** The following of the text named below: Part I: ch. 1 to 4, inclusive; Part II: ch. 1 to 5, inclusive; Part III: ch 2 to 3, page 198, ch. 4 to 13, inclusive; Part IV: ch. 1 and 2, sections 3 and 4; Part V: ch. 1 to 6 inclusive; Part VI: ch. 1 to 6, inclusive.

Text-book: Brice, *Ultra Vires*, Third English Edition.

502. **Medical Jurisprudence:** the following portions will be read from the text named below: Volume I., sections 1, 2, 4, 5, 6, 10, 11, 13; Volume II., sections 1-13, inclusive, 15.

Text-book: Taylor, *Medical Jurisprudence* (edited Smith, 7th edition, 1920).

503. **Theory of Obligation:** Institutes of Justinian.
Book I: Titles 1, 2, 3.
Book III: Titles 13-29, inclusive.
Book IV: Title 1.

504. **Thesis.**

DEPARTMENT OF LIBRARY AND SECRETARIAL SCIENCES

FREDERICK LANDON, M.A.,	Associate Professor
MARJORIE ROSS, B.A.,	Instructor
KATE M. GILLESPIE, B.A.,	Assistant
CATHERINE CAMPBELL, B.A.,	Assistant
BEATRICE WELLING, M.A., B. Sc.,	Assistant

10a. A course of instruction in the use of books and libraries, prescribed for all students in the first year. Classification and arrangement of books in the University library; the card catalogue; the most common reference books; bibliography. Those who fail to obtain 50 per cent. in the first term will repeat the course as 10b in the second term.
1 hour a week, first term: ½ credit.

11. Library handwriting, mechanical preparation of books for the shelves, filing of cards, etc.
2 hours a week: 1 credit.

18. Shorthand.
2 hours a week: 1 credit.

19. Typewriting.
2 hours a week: 1 credit.

21. Accessioning, typewriting of catalogue copy, Library of Congress orders, desk circulation, repair of books, preparation of books for bindery, and continuation of practice work of the first year.
4 hours a week: 2 credits.

28. Shorthand.
2 hours a week: 1 credit.

29. Typewriting.
2 hours a week: 1 credit.

31. Use of reference books, periodicals, bibliography, history of books and libraries, special libraries, and continuation of practice work of second year.

35. Secretarial practice, office methods, correspondence, shorthand and typewriting.
6 hours a week: 3 credits for 31 and 35 together.

41. Classification and cataloguing of books, book selection, orders, administration and records, and continuation of practice work of the third year.
9 hours a week: 6 credits.

45. Continuation of course 35, with more advanced work in office methods and correspondence, shorthand and typewriting.
9 hours a week: 6 credits.

DEPARTMENT OF MATHEMATICS AND ASTRONOMY

University College

H. R. KINGSTON, M.A., PH.D., F.R.A.S., Professor
W. J. PATTERSON, M.A., Professor
ARTHUR WOODS, M.A., Assistant Professor

Assumption College

PRINCIPAL D. L. DILLON, B.A., Lecturer

Ursuline College

M. M. ST. MICHAEL, M.A., Instructor

Waterloo College

ROY J. E. HIRTLE, M.Sc., Associate Professor

10a. **Algebra:** quadratic functions—graphs, maximum and minimum values, linear factors; quadratic equation in one variable—solution, discriminant, sum and product of roots, construction of equations whose roots are functions of roots of given equation; ratio and proportion; variation;

arithmetic, geometric and harmonic series; annuities; permutations and combinations as a prerequisite for the binomial theorem; binomial theorem proved for positive integral exponent and applied also with negative and fractional exponents; logarithms with simple applications.

3 hours per week, first term: 1½ credits.
Prerequisite: Pass Matriculation in Mathematics.

Text-book: Wilson and Warren, *An Intermediate Algebra* (Oxford).

12b. **Analytic Geometry:** the analytical geometry of the point, straight line, circle, parabola, ellipse and hyperbola to page 95 of text; also articles 67, 68, 73, 74, 75; application of parabola to curve of flight and parabolic reflector.

3 hours per week, second term: 1½ credits.
Prerequisite: Pass Matriculation in Mathematics.

Text-book: Crawley and Evans, *Analytical Geometry* (E. S. Crawley, University of Pennsylvania).

18a. **General Mathematics** (for premedical students): trigonometric ratios with special reference to angles of 30°, 45°, 60°; applications to simple problems in heights and distances; logarithms; arithmetic and geometric progressions; application to compound interest, annuities and life insurance; permutations and combinations; binomial theorem.

2 hours per week, first term: 1 credit.
Prerequisite: Pass Matriculation in Mathematics.

Text-book: Wilson and Warren, *An Intermediate Algebra* (Oxford).

19b. **Analytic Geometry** (for premedical students): graphs of statistics; selected portions of the analytical geometry of the point, straight line, circle, parabola and ellipse; application to curve of flight and parabolic reflector.

2 hours per week, second term: 1 credit.
Prerequisite: Pass Matriculation in Mathematics.

Textbook: Brink, *Analytical Geometry* (Century Co.)

20a. **Pre-calculus Mathematics:** review of binomial theorem; logarithms; exponential and logarithmic series; mathematical induction; loci; curve tracing; selected portions from the analytical geometry of the parabola, ellipse and hyperbola.

2 hours per week, first term: 1 credit.
Prerequisites: Mathematics 10a and 12b, or Upper School Mathematics.

23b. **Trigonometry:** trigonometrical ratios and their relations; values of ratios of common angles; formulae 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 formulae; radii of inscribed, escribed and circumscribed circles of a triangle; perimeters and areas of inscribed and circumscribed regular polygons of a circle.

2 hours per week, second term: 1 credit.

Prerequisite: Mathematics 10a.

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

24b. **Calculus:** an elementary course stressing practical applications.

2 hours per week: 1 credit.

Prerequisite: Mathematics 20a.

Text-book: To be announced later.

25. **Descriptive Astronomy:** the constellations; systems of co-ordinates; shape, size and motions of the earth; the moon; eclipses; time; the solar system; the planets; comets and meteors; the sun; evolution of solar system; the stellar universe. Evening observations. The lectures will be illustrated with lantern slides. This course is not mathematical.

2 hours per week: 2 credits.

Text-books: Moulton, *Introduction to Astronomy* (Macmillan).
Kingston, *An Easy Pocket Star Guide for Beginners.*

27b. **The Mathematical Theory of Investment:** interest; annuities; amortization of debts; valuation of bonds; sinking funds and depreciation; building and loan associations.

2 hours per week: 1 credit.

Prerequisite: Mathematics 20a.

Text-book: Rietz, Crathorne and Rietz, *Mathematics of Finance* (Holt).
Reference: Todhunter, *The Institute of Actuaries Text Book, Part I* (Spectator).

Honour Courses

100a. **Algebra:** review of permutations, combinations and binomial theorem; exponential and logarithmic series; interest and annuities; inequalities; limiting values and vanishing fractions; convergency and divergency of series; undetermined coefficients; partial fractions; recurring series; con-

tinued fractions; indeterminate equations of first degree; recurring continued fractions; summation of series.

3 hours per week: 1½ credits.

Prerequisites: Upper School Mathematics, or Mathematics 10a, 12b, 23b.

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

102a. **Analytical Plane Geometry:** review of first course in analytic geometry; general treatment of the principal properties of the parabola, ellipse and hyperbola; polar co-ordinates with applications; transformations; the general equation of the second degree; the lines $ax^2+2hxy+by^2=0$; invariants of conics; asymptotes.

3 hours per week: 1½ credits.

Prerequisites: As for Mathematics 100.

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

103b. **Higher Trigonometry:** perimeter and area of regular polygon and circle; inscribed, escribed and circumscribed circles; pedal triangle; inverse notation; general values of inverse functions; triangulation of heights and distances; limiting forms; maximum and minimum values of trigonometric functions; development of trigonometric functions in power series; applications; evaluation of π; De Moivre's Theorem; n^{th} roots of ± 1; expansion of $\sin n\theta$ and $\cos n\theta$; exponential values of $\sin\theta$ and $\cos\theta$; expansion of $(2\cos\theta)^n$ and $(2\sin\theta)^n$ in power series; factors of $x^{2n}-2x^n\cos\theta+1$; hyperbolic functions; summation of trigonometric series.

2 hours per week: 1 credit.

Prerequisites: As for Mathematics 100.

Text-books: Lock, *Higher Trigonometry* (Macmillan).
Hobson, *Plane Trigonometry* (Cambridge).

104b. **Elementary Differential and Integral Calculus:** functions and limits of a variable; definition of derivative and its geometrical interpretation; differentiation of elementary functions; simple geometrical applications; maxima and minima; the indefinite integral as the inverse of the derivative; simple integrals; geometrical and physical significance of the constant of integration; the definite integral and its inter-

pretation; simple applications to calculation of areas of plane curves and volumes of solids of revolution.

2 hours per week: 1 credit.

Prerequisite: As for Mathematics *100*.

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

111b. **Synthetic Solid Geometry.**

2 hours per week: 1 credit.

Prerequisites: As for Mathematics 100.

Text-book: Wentworth and Smith, *Solid Geometry* (Ginn).

200. **Algebra, Determinants and Theory of Equations:** First Term: theory of numbers as covered by Hall and Knight; perfect numbers; the integral solutions of $x^2+y^2=z^2$; an introduction to the theory of probability; theory of determinants and applications.

Second Term: theory of equations as covered in text.
2 hours per week: 2 credits.
Prerequisite: Mathematics 100.

Text-books: Hall and Knight, *Higher Algebra* (Macmillan).
Burnside and Panton, *Theory of Equations, Vol. I* (Dublin University Press).
Reference: Dickson, *First Course in the Theory of Equations* (Wiley).

202. **Analytical Plane Geometry:** the circle through three points; the conic through five points; number of conditions applicable to general equation of conic; line co-ordinates and their reciprocity with point co-ordinates; equation of conic in line co-ordinates with deductions therefrom; ratios of lengths of chords, diameters and tangents drawn through a given point to a conic; homogeneous and trilinear co-ordinates; applications to the geometry of points and lines related to triangle; centre and axis of homology of two triangles; Desargue's Theorem; harmonic and anharmonic pencils; harmonic properties of complete quadrilateral; conic referred to pair of tangents and chord of contact; similar and confocal conics; orders of contact of conics; osculating circles to conics and methods of obtaining radii of curvature; conics as plane sections of cone and interrelations therefrom; invariants of general conic.

2 hours per week, one term: 1 credit.
Prerequisite: Mathematics 102.

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

204. **Differential and Integral Calculus:**

First Term: Differential Calculus: successive differentiation; maxima and minima of f(x); points of inflexion; curve tracing; differentials; rates; change of dependent and independent variables; curvature; envelopes; evolutes; involutes; Mean Value Theorem; indeterminate forms; partial differentiation; Taylor's and Maclaurin's Series applied to expansions of functions; asymptotes; singular points; tangent planes and normal lines to surfaces; tangent lines and normal planes to twisted curves.

Second Term: Integral Calculus: integration as inverse of differentiation and as the limit of summation; methods of integration; reduction formulae; definite integrals; applications.

2 hours per week: 2 credits.

Prerequisite: Mathematics 104.

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

212. **Analytical Solid Geometry.**

2 hours per week, one term: 1 credit.

Prerequisites: Mathematics 102 and 104.

Text-book: C. Smith, *Solid Geometry*, pp. 1-96 (Macmillan).
Reference: Aldis, *Solid Geometry*.

Group 3

NOTE:—Groups 3 and 4 will be given in alternate years, Group 4 in 1926-27.

301b. **Modern Synthetic Projective Geometry:** geometric continuity; selected theorems on ranges of points and pencils of lines; collinearity and concurrence; perspectivity; inversion; poles and polars; polar reciprocation and the principle of duality; harmonic and anharmonic ratios; projection.

2 hours per week, one term: 1 credit.

Prerequisite: Mathematics 200-~~206~~. 2\12

Text-book: Altschiller-Court, *College Geometry* (Johnson Publishing Co., Richmond, Va.)
References: Dupuis, *Elementary Synthetic Geometry* (Macmillan).
Durell, *Modern Geometry* (Macmillan).

303a. **Spherical Trigonometry:** the solutions of the spherical triangle with applications to problems in geodesy; introduction to Theory of Least Squares.

2 hours per week, first term: 1 credit.

Prerequisites: Mathematics 200-~~206~~ 217

Text-book: Todhunter and Leatham, *Spherical Trigonometry* (Macmillan).
Reference: Dupuis and Matheson, *Spherical Trigonometry.*

304. **Differential Equations:** differential equations of first order; singular solutions; applications; linear equations with constant coefficients; with variable coefficients; exact differential equations; integrations in series; equations of second order; equations with more than two variables; partial differential equations.

2 hours per week: 2 credits.

Prerequisites: Mathematics 200-~~206~~ 217

Text-book: Murray, *Differential Equations* (Longmans).
References: W. W. Johnson, *Monograph on Differential Equations* (Wiley).
W. W. Johnson, *Differential Equations* (Wiley).
Forsyth, *Differential Equations* (Macmillan).

305a. **Descriptive Astronomy:** the constellations; systems of co-ordinates; shape, size and motions of the earth; the moon; eclipses; time; the solar system; the evolution of the solar system. Evening observations.

2 hours per week, first term; 1 credit.

Text-books: Moulton, *Introduction to Astronomy* (Macmillan).
Kingston, *An Easy Pocket Star Guide for Beginners.*

305b. **Mathematical Astronomy:** time, the conversion of time; the ephemeris; corrections of observations for refraction, parallax, aberration and dip; description and working principles of astronomical instruments; errors of instruments, and how to eliminate their effects; determination of latitude, longitude, azimuth and time.

2 hours per week, second term: 1 credit.

Prerequisites: Mathematics 303a, 305a.

Text-book: Barlow and Bryan, *Elementary Mathematical Astronomy* (Briggs and Bryan, Tutorial Series).
References: Holt, *Manual of Field Astronomy* (Wiley).
Campbell, *Elements of Practical Astronomy* (Macmillan).

312. **Analytical Solid Geometry:** plane sections of conicoids; generating lines of conicoids; systems of conicoids; tangential equations; reciprocation; confocal conicoids; foci of conicoids; quadriplanar and tetrahedral co-ordinates; surfaces in general; twisted curves; curvature of surfaces.

2 hours per week: 2 credits.

Prerequisites: Mathematics 200-~~206~~. 7 1 7

Text-book: C. Smith, *Solid Geometry* (Macmillan).
References: Salmon, *Analytical Geometry of Three Dimensions, Vols. I and II* (Longmans).
Aldis, *Solid Geometry.*
Snyder and Sisam, *Analytical Geometry of Space.*

Group 4

400. **Vector Analysis.**

2 hours per week, one term: 1 credit. 7 1 7

Prerequisite: Mathematics 200-~~206~~.

Text-book: Gibbs-Wilson, *Vector Analysis* (Yale University Press).
References: Hyde, *Grassmann's Space Analysis* (Wiley).
Hyde, *Directional Calculus* (Wiley).
Coffin, *Vector Analysis* (Wiley).

402. **Advanced Geometry:**

First Term: Theory of Conics: study of conics by abridged notations; points and lines at infinity; Pascal's and Brianchon's Theorems; parametric equations of conics; envelopes; harmonic and anharmonic properties of ranges and pencils related to conics; projective properties of conics; involution; polar reciprocation; applications.

Second Term: Higher Plane Curves: inverse curves; pedal curves; reciprocal polars; order and class of a curve; Joachamsthal's method of investigating singularities; multiple points; tangents and pseudo-tangents; kth polars and polar k-thics; deficiency; Plücker's numbers; residuation; genesis and properties of various plane curves.

2 hours per week: 2 credits.

Prerequisites: Mathematics 200-~~206~~. 7 1 7

Text-books: Salmon, *Conic Sections* (Longmans).
Williamson, *Differential Calculus* (Appleton).
Williamson, *Integral Calculus* (Longmans).
References: Reye (Tr. Holgate), *Geometry of Position, Part I* (Macmillan).
Cremona, *Projective Geometry* (Macmillan).
Hatton, *Principles of Projective Geometry* (Dent).
Veblen and Young, *Projective Geometry* (Ginn).
Salmon, *Analytical Geometry* (Gauthier-Villars, Paris).

404. **Advanced Calculus:** selected topics.
2 hours per week, one term: 1 credit.
Prerequisites: Mathematics 200-~~206~~. 2 / ~

References: Williamson, *Integral Calculus* (Longmans).
Byerly, *Integral Calculus* (Ginn).
Goursat-Hedrick, *Mathematical Analysis, Vol. I* (Ginn).

406. **Theory of Functions of Complex Variable.**
2 hours per week: 2 credits.
Prerequisites: Mathematics 200-~~206~~. 2/~

Text-books: Townsend, *Functions of a Complex Variable* (Holt).
Fiske, *Functions of a Complex Variable* (Wiley).
References: Harkness and Morley, *Theory of Functions* (Macmillan).
Forsyth, *Theory of Functions* (Macmillan).
Goursat, *Functions of a Complex Variable* (Ginn).
Burkhardt-Rasor, *Theory of Functions of a Complex Variable* (Heath).

407a. **Finite Differences:** fundamental difference forms; factorial expansions; interpolation formulae; statistical applications; mechanical quadratures; integration; central differences.
2 hours per week, first term: 1 credit.
Prerequisites: Mathematics 200-~~206~~. 2 / ~

Text-book: Henry, *Calculus and Probability* (Spectator).
References: Burn and Brown, *The Elements of Finite Differences* (Spectator).
Boole, *Finite Differences* (Macmillan).

407b. **Theory of Probability in Life Insurance:** the general theory of probability; the mortality table; probabilities of life; expectations of life; survivorship probability; the law of mortality; life insurance premiums; policy reserves.
2 hours per week, second term: 1 credit.
Prerequisites: Mathematics 200-~~206~~. 2 / ~

Text-books: Rietz, Crathorne and Rietz, *Mathematics of Finance* (Holt).
Dowling, *Mathematics of Life Insurance* (McGraw-Hill).
Spurgeon, *Life Contingencies* (Spectator).
References: Hall and Knight, *Higher Algebra* (Macmillan).
Fisher, *The Mathematical Theory of Probability* (Macmillan).

408. **History of Mathematics.**
1 hour per week: 1 credit.

Text-books: Cajori, *A History of Mathematics* (Macmillan).
Fink, *A Brief History of Elementary Mathematics* (Open Court).

Courses Leading to the Degree of M.A.

A selection from the following courses will be offered from time to time to suit the qualifications of candidate:

500. Theory of Numbers.

501. Synthetic Projective Geometry.

502. Modern Analytic Geometry.

504. Elliptic Integrals.

505. Celestial Mechanics.
506. Theory of Functions of a Real Variable.
507. Advanced Actuarial Science.
510. Theory of Invariants.
514. Projective Differential Geometry.
520. Theory of Algebraic Functions.

DEPARTMENT OF PHILOSOPHY

University College

REV. G. B. SAGE, M.A., D.D.,	Lecturer
E. P. W. MACDONALD, B.A.,	Instructor

Assumption College

REV. E. J. TIGHE, B.A.,	Professor
REV. C. P. DONOVAN, B.A.,	Lecturer
REV. L. J. BONDY, M.A.,	Lecturer
REV. V. J. GUINAN, B.A.,	Instructor

Ursuline College

MGR. D. O'CONNOR, B.C.L., S.T.L.,	Professor
REV. J. H. POCOCK, B.A.,	Professor
REV. F. J. BRENNAN, S.T.L.,	Associate Professor
REV. J. B. FFOULKES, J.C.D.,	Lecturer
REV. W. T. FLANNERY, S.T.D.,	Lecturer
REV. L. M. FORRISTAL, B.A.,	Lecturer

Waterloo College

REV. A. A. ZINCK, B.A., D.D.,	Associate Professor
REV. H. HENKEL,	Lecturer

Alma College

REV. E. W. EDWARDS, M.A., B.D., M.C.,	Lecturer

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

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.
1 hour per week: 1 credit.

Text-books: Hunter, *General Psychology* (University of Chicago Press).
Angell, *Psychology* (Holt).

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.

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.
1 hour per week: 1 credit.

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

39a. **Ethics** (Equivalent of 31): a general course in Ethics in which the Christian point of view will be maintained and emphasized, while the value of the study of Philosophic Ethics will be pointed out. Offered in Waterloo College only.
2 hours per week, first term: 1 credit.

Text-books: Mackenzie, *Manuel of Ethics.*
Sidgwick, *History of Ethics.*
Keyser, *General Ethics.*

39b. **Logic** (equivalent of 20): an introductory course in the principles of Deductive and Inductive Logic. Offered in Waterloo College only.
2 hours per week, second term: 1 credit.

Text-book: Creighton, *An Introductory Logic.*

40. **History of Modern Philosophy:** an option for students in the fourth year of the General Course; lectures, prescribed reading and essays; Kant and his immediate successors; the English Philosophers, especially Mill and Spencer; more recent philosophic theories; outstanding problems of Modern Philosophy.
2 hours per week: 2 credits.

References: Hoffding, *History of Philosophy, Vol. II.*
Cushman, *History of Philosophy.*
Seth, *English Philosophers and Philosophic Schools.*
Rand, *Classical Philosophers.*
Calkins, *Persistent Problems of Philosophy.*

45. **Metaphysics:** the soul; false theories on the nature of the soul; union of soul and body; theory of Plato; occasionalism; pre-established harmony; Aristotelico-Scholastic

doctrine; theories of emanation; traducianism; evolution theory; creation doctrine. Offered in Ursuline College only.

1 hour per week: 1 credit.

Text-book: Maher, *Psychology.*
References: Mercier, *Manual of Modern Scholastic Philosophy* (two volumes)
Turner, *History of Philosophy.*

Honour Courses

Offered in Assumption College and Ursuline College only.

200. **Elementary Psychology:** a course in Elementary Psychology: Sensation: Perception: Imagination: Instinct: Memory; Sensuous appetites and feelings; Intellect:—intellect and sense; intellectual cognition; theories of conception: process of intellectual development: Rational appetite—necessary voluntary acts; free acts; emotions and sentiments.

3 hours per week: 3 credits.

Text-book: S. A. Lortie, *Elementa Philosophiae Christianae.*
References: Maher, *Psychology.*
Cardinal Mercier, *Manual of Modern Scholastic Philosophy.*
Dubray, *Introductory Philosophy.*
Sanseverino, *Philosophiae Christianae Compendium.*
Zigliara, *Summa Philosophica.*
Hill, *Psychology and Natural Theology.*

220. **Logic:** a course in Formal Logic; the three operations of the mind; the idea; the term; various kinds of idea; definition; division; categories and predicables; judgment; the propositions; various kinds, their nature and division. Reasoning: deductive and inductive. The Syllogism: rules, modes and figures; the use of the syllogism. Fallacies.

2 hours per week: 2 credits.

Text-book: S. A. Lortie, *Elementa Philosophiae Christianae.*
References: Turner, *Lessons in Logic.*
Joyce, *Principles of Logic.*
Cardinal Mercier, *Manual of Modern Scholastic Philosophy.*

230. **History of Philosophy:** a course in Greek Philosophy. The history of Philosophy in general: Oriental Philosophy: the transition from superstition to Philosophy: the progress of Greek thought from its birth among the Ionians to its perfection in Plato and Aristotle. The Post-Aristotelian Philosophy; Graeco-Oriental Philosophy.

2 hours per week: 2 credits.

Text-book: William Turner, *History of Philosophy.*
References: Stockl, *History of Philosophy.*
Marcone, *Historia Philosophiae.*
Klimke, *Institutiones Historiae Philosophiae* (2 Vols.).
Geny, *Historia Philosophiae.*

300-330. **Metaphysics: Logic.**

Ontology: being; essence; existence; the transcendental qualities of being; substance; accident; properties of being; nature; subsistence; person; time; space; cause and effect; quantity; quality; relation.

Cosmology: theories of the property and constitution of matter; Scholastic theory of matter and form; critical examination of the atomic and dynamic theories; properties of physical substances; laws of nature; miracles.

Criteriology: nature and existence of certitude; logical truth; criteria; the senses and consciousness as means of certitude; objectivity of our concepts.

5 hours per week: 5 credits.

Text-book: S. A. Lortie, *Elementa Philosophiae Christianae, Vol. II.*
References: Sanseverino, *Philosophiae Christianae Compendium.*
Zigliara, *Summa Philosophiae, Vols. I and II.*
S. Thomas Aquinas, *Summa Theologica.*
Cardinal Mercier, *Manual of Modern Scholastic Philosophy.*

320. **Ethics:** General: the last end of man; its nature and attainment; morality of human acts; the norm of morality; law, eternal, natural and positive in relation to morality; right reason; conscience; influence of passions on moral acts; habits; virtues; vices; general notions of right and duty.

3 hours per week; 3 credits.

Text-book: S. A. Lortie, *Ethica et Philosophia Moralis.*
References: Signoriello, *Philosophia Moralis.*
Zigliara, *Ethica et Jus Morale.*
Cronin, *Ethics.*
Hill, *Ethics, General and Special.*

340. **History of Philosophy:** Patristic and Mediaeval.

Patristic: Heretical systems; Ante-Nicene Fathers; Post-Nicene Fathers.

Mediaeval: Arabian, Jewish and Scholastic Philosophy; formation, culmination and decline.

3 hours per week: 3 credits.

Text-book: William Turner, *History of Philosophy.*
References: M. deWulf, *History of Philosophy.*
A. Stockl, *History of Philosophy.*

400-410. **Theodicy: Rational Psychology.**

Theodicy; the idea of the Divine Being; proof of the existence of God; the divine attributes; the immanent operations of God; the transient operations of God; the unicity of God.

Rational Psychology: life; plant life; animal life; origin of species; Mendelism; rational life; the human soul and its essential qualities; union of soul and body; origin and destiny of the human soul.

5 hours per week: 5 credits.

Text-book: S. A. Lortie, *Elementa Philosophiae Christianae, Vol. II.*
References: S. Thomae Aquinas, *Summae Theologiae, Pars Prima.*
Zigliara, *Summa Philosophica.*
Gredt, *Elementa Philosophiae.*
Sanseverino, *Philosophiae Christianae Compendium.*
C. Pesch, *Philosophia Lacensis.*

420. **Ethics:** Special: duties and rights. The individual: his duties of justice and charity to God, his neighbor and himself. The family: marriage; polygamy; divorce; monogamy; celibacy; relations between parents and children. The state: origin and forms of civil society; origin of civil power; forms of government; rights and duties of the state; citizenship.

3 hours per week; 3 credits.

Text-book: S. A. Lortie, *Elementa Philosophiae Christianae, Vol. III.*
References: Signoriello, *Philosophia Moralis.*
Rickaby, *Political and Moral Essays.*
Cronin, *Ethics.*
Zigliara, *Ethica et Jus Morale.*
Hill, *Ethics, General and Special.*

430. **History of Philosophy:** Modern: the history of modern Philosophy from Descartes to the present; the Idealistic Movement: German Transcendentalism; Evolutionism: Positivism: Rationalism: Pragmatism.

3 hours per week: 3 credits

Text-book: Turner, *History of Philosophy.*
References: Klimke, *Institutiones Historiae Philosophiae.*
Marcone, *Historia Philosophiae.*
Geny, *Historia Philosophiae.*

DEPARTMENT OF PHYSICAL EDUCATION

MAJOR GEO. SMITH, M.D., M.C. with Bar, (Men) Director
MISS E. WYNNE-PRYCE, (Women) Assistant

Students of the first and second years, men and women, are required to have (at the beginning of the year) physical examination, conducted by the Director of Physical Education. All students participating in Athletics, Gymnastics, etc., are required to pass an examination conducted by the Director. Managers of all teams are required to see that this regulation is carried out for their respective teams.

The hours four to six p.m., daily, except Saturdays, are reserved for the prescribed features of this department's work.

A student may elect any one of the following features within the Physical Education programme, and if his performance justifies he will receive credit for the prescribed or elective work of his year:

University Rugby,
University Track,
University Hockey,
University Basketball,
University Boxing, Wrestling and Fencing,
University Gymnastics,
University Tennis,
Military Training, C.O.T.C.

and such other activities as may be decided upon from time to time by the Committee on Physical Education.

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 hours per week: 1 credit.

11. **Physical Training for Men.** Required of all men in the first year. This course consists of Physical Training, two hours each week. For this may be substituted one of the features of the Physical Education program mentioned above.

The Military Training of the first year consists of two parts: practical, two hours per week, and theoretical (lecture), one hour per week.

The practical includes: Squad Drill, Platoon and Extended Order Drill, Company Drill, Battle Formation, Musketry, Lewis Gun and Bayonet Fighting.

The theoretical includes: Organization of the Battalion, Map Reading, Infantry in Battle, Advance and Rear Guards, Outposts, Military Law, Infantry in Attack and Defence.

The first year's work prepares the successful students to write the Certificate A (lieutenant's) examination set by the Imperial Staff College.

3 or 2 hours per week: 1 credit.

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 hours per week: 1 credit.

21. **Physical Training for Men.** Required of all men in the second year. For this may be substituted one of the features of the Physical Education program mentioned above.

The Military Training of the second year consists of two parts: practical, two hours per week, and theoretical (lecture), one hour per week.

An opportunity is given the students of the second year course to secure Certificate "B," a continuation of the work for Certificate "A."

3 or 2 hours per week: 1 credit.

30-40. **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 each year: 1 credit each year.

31-41. **Advanced Physical Training for Men.** Optional for men of the third and fourth years. Open to those only who have had Physical Training 11 and 21.

2 hours per week each year: 1 credit each year.

DEPARTMENT OF PHYSICS

R. C. DEARLE, M.A., PH.D.,	Professor
*R. L. ALLEN, M.A.,	Assistant Professor
MISS A. WILLENA FOSTER, M.A.,	Instructor
D. S. AINSLIE, PH.D.,	Instructor
J. A. ROGERS, B.SC.,	Instructor
A. W. DURNFORD, B.A.,	Demonstrator
F. W. PYE,	Instrument Maker

Assumption College

REV. T. J. MCDONALD, B.A.,	Instructor

All students taking laboratory work in Physics must make a deposit of five dollars with the Bursar to cover breakage; a refund of any surplus will be made at the end of the college year.

*On leave, 1925-26.

10. **Mechanics and Heat:** an elementary course covering the general principles, presented from a non-mathematical point of view. Optional for students in the General Course.

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

Text-books: Merchant and Chant, *Mechanics for the Upper School.*
Stewart and Satterly, *Senior Heat.*
Watson, *General Physics.*

20. **Electricity, Sound and Light:** supplementary to 10, but requiring more mathematical knowledge.

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

Prerequisites: Physics 10, Mathematics 18a and 19b, or 23b.

Text-book: Watson, *General Physics.*
References: Hadley, *Electricity and Magnetism.*
Edser, *Light for Students.*
Ferry, *General Physics.*
Miller, *The Science of Musical Sounds.*

30. **Physical Measurements:** lectures on laboratory methods and practical work with emphasis on precision. Training is given in contracted methods of calculation, graphical solution of problems, also in some of the simpler laboratory arts, such as glass-blowing, etc.

3 laboratory hours per week: 1 credit.

Prerequisite: Physics 20.

Text-book: Goodwin, *Precision of Measurements.*
Reference: Stern and Topham, *Practical Mathematics.*

Honour Courses

100. **Mechanics and Heat:** fundamental laws of statics and dynamics with applications to machines, elasticity, periodic motion; laws of gases; surface tension; thermometry, calorimetry, conductivity, hygrometry, mechanical equivalent of heat. Prescribed for all honour students of the first year.

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

Text-books: Duncan and Starling, *Dynamics.*
Edser, *Heat for Advanced Students.*
References: Watson, *Text Book of Physics.*
Poynting and Thomson, *Text Book of Physics, Vol. III.*

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

3 laboratory hours per week: 1 credit.

Text-book: See Physics 30.

200. **Elements of Mechanics:** a mathematical treatment of the principles of statics and dynamics with numerous applications of physical principles.

2 lectures per week: 2 credits.

Text-book: Miller and Lilly, *Analytic Mechanics.*
References: Jeans, *Mechanics.*
Smith and Longley, *Theoretical Mechanics.*

201. **Sound and Light:** lectures on the principles involved, including an elementary mathematical treatment of reflection and refraction of light, mirrors and lenses, lens systems, dispersion, interference, diffraction, polarisation; wave-motion, propagation of sound waves, measurement of wave-length, velocity and pitch; musical scales, standards of pitch, characteristics of musical sounds, speech.

2 lectures, 3 laboratory hours per week, first term; 1 lecture, 3 laboratory hours per week, second term: 3 credits.

Text-books: Poynting and Thomson, *Text-Book of Physics, Vol. II.*
Edser, *Light for Students.*
References: Watson, *Text-Book of Physics.*
Ferry, *General Physics.*
Houston, *A Treatise on Light.*
Miller, *The Science of Musical Sounds.*

202. **Electricity:** lectures on the principles involved, including an elementary mathematical treatment of magnetic and electric fields, measuring instruments, electromagnetism, dynamos and motors, conduction through gases.

1 lecture, 3 laboratory hours per week: 2½ credits.

Text-book: Starling, *Electricity and Magnetism.*
References: Watson, *Text-Book of Physics.*
Poynting and Thomson, *Text-Book of Physics, Vol. IV.*
Hadley, *Magnetism and Electricity.*

300. **Particle Dynamics:** an advanced course in the dynamics of a particle making use of calculus and differential equations.

2 lectures per week: 2 credits.

Text-book: Besant and Ramsay, *Treatise on Dynamics.*
Reference: Tait and Steele, *Dynamics of a Particle.*

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.

2 lectures per week, 6 laboratory hours: 5 credits.

Text-book: Houston, *A Treatise on Light.*
References: Wood, *Physical Optics.*
Drude, *Theory of Optics.*
Preston, *The Theory of Light.*

302. **Electron Theory of Matter and Electromagnetic Theory of Light:** a study of the development of Maxwell's equations for the electromagnetic field with applications to various magneto-optical phenomena.

1 lecture per week: 1 credit.

Text-book: As for 301.
References: As for 301.
Also Richardson, *Electron Theory of Matter.*

303. **Properties of Matter and Heat:** a mathematical treatment of periodic motion, gravitation, elasticity, surface tension, osmosis, changes of state, laws of gases.

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

Text-book: Edser, *General Physics.*
References: Poynting and Thomson, *Text-book of Physics, Vol. I.*
Edser, *Heat for Advanced Students.*

304. **Fourier Series:** an introduction to Fourier's analysis of wave-motion with applications to the theory of heat conduction, and to the vibrations of plucked strings.

1 lecture per week: 1 credit.

References: Byerly, *Fourier Series and Spherical Harmonics.*
Ingersoll and Zobel, *Mathematical Theory of Heat Conduction.*

305. **Theory of Heat:** an intermediate course without extensive mathematical analysis, introducing the fundamental principles of thermodynamics, radiation and temperature measurements.

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

Text-book: Edser, *Heat for Advanced Students.*
Reference: Stewart, *Elementary Treatise on Heat.*

400. **Electricity and Magnetism:** an advanced course: a discussion of the general phenomena of static electricity and magnetism; an introduction to the theory of potential and electromagnetic induction.

2 lectures per week: 2 credits.

Text-book: Foster and Porter, *Elementary Treatise on Electricity and Magnetism.*
References: J. J. Thomson, *Mathematical Theory of Electricity and Magnetism.*
R. A. Houston, *Introduction to Mathematical Physics.*
B. O. Peirce, *The Newtonian Potential Function.*
Jeans, *Electricity and Magnetism.*
Campbell, *Modern Electrical Theory.*
J. J. Thomson, *Recent Researches in Electricity and Magnetism.*

401. **Recent Advances in Physics:** a course on selected topics with outside reading, including atomic theory, radioactivity, conduction through gases, magneto-optics, etc.
2 lectures per week: 2 credits.

References: Richardson, *Electron Theory of Matter.*
Rutherford, *Radioactive Substances and their Transformations.*
Zeeman, *Magneto-Optics.*
Thomson, *Positive Ray Analysis.*
Current Periodicals.

402. **Elementary Thermodynamics and Theory of Gases:** a treatment of the laws of thermodynamics, heat engines, reversible cycles, radiation, energy distribution.
2 lectures per week: 2 credits.

Text-book: Poynting and Thomson, *Text-book of Physics, Vol. III.*
References: Griffiths, *Thermal Measurement of Energy.*
Planck, *Treatise on Thermodynamics.*
Ewing, *Thermodynamics for Engineers.*

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 Honour Science Course. Offered in alternate years.
2 lectures, 3 laboratory hours per week: 3 credits.

Text-books: Whetham, *Theory of Experimental Electricity.*
Timbie and Highbie, *Essentials of Alternating Currents.*
References: Thomson, *Elements of Electricity and Magnetism.*
Thomson, *Conduction of Electricity Through Gases.*
Kaye, *X-Rays.*
Rutherford, *Radioactive Substances and their Transformations.*

404. **Laboratory Course:** designed as an accompaniment to the lecture work of the fourth year. Especial emphasis is laid upon individuality of work and resourcefulness. As far as possible training is given in research methods.
9 laboratory hours per week: 3 credits.

408. **Seminar:** preparation and reading of articles from current magazines as well as historical essays. Prescribed for fourth year students and optional for all students in the Mathematics and Physics course.
1 hour per week: 1 credit.

DEPARTMENT OF PUBLIC HEALTH AND BACTERIOLOGY

University College

A. J. SLACK, M.D., D.P.H., Professor

Waterloo College

R. G. RATZ, M.D., Lecturer

10. A series of lectures and demonstrations 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. Modern methods of handling and preventing infectious diseases; the sanitation of water, milk, food, flies and contact; 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 that information which every 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.

1 hour per week: 1 credit.

DEPARTMENT OF RELIGIOUS KNOWLEDGE

Assumption College

REV. J. H. O'LOANE, B.A., Professor
REV. J. J. GLAVIN, B.A., Instructor

Ursuline College

REV. A. P. MAHONEY, Professor
REV. M. A. BRISSON, Lecturer

Waterloo College

REV. A. A. ZINCK, B.A., D.D., Associate Professor
REV. E. HOFFMAN, D.D., Lecturer
REV. C. H. LITTLE, B.A., D.D., Lecturer

Alma College

OLIVE ZIEGLER, B.A., Lecturer

Offered at Assumption College only

10. Natural and Revealed Religion; Reason and Faith; History of Religions; the Foundation and Marks of the Church of Christ.

20. A course in the dogmatic and moral doctrines of the Catholic Church. Collateral readings from Sacred Scripture.

30. De Vera Religione.

31. An introductory course on the Bible.

40. De Ecclesia Christi; De Fontibus Revelationibus; Modernism; Present Day Religious Conditions.

41. Important phases in the History of the Church.

Offered at Ursuline College only.

10. **Apologetics:** lectures, prescribed reading and essays. The Existence, Nature and Attributes of God; the nature of man; Natural Religion; Revelation; the Divinity of Christ.
1½ hour per week: 1 credit.

Text-book: Sheehan, *Apologetics and Catholic Doctrine.*
References: Walshe, *The Principles of Christian Apologetics.*
Devivier-Messmer, *Christian Apologetics.*
Boedder, *Natural Theology.*
Newman, *Miracles.*
Liddon, *The Divinity of Our Lord.*
Spalding, *Evidences of Catholicity.*
The Catholic Encyclopedia.

11. **Religious Knowledge:** Old Testament History; general introduction; canonics; biblical languages; biblical archaeology; historical books.
1 hour per week: 1 credit.

Text-book: The Old Testament.
References: Charles Hart, *Manual of Bible History, Vol. I.*
Gigot, *Outlines of Jewish History.*
Hugh Pope, O.P., *Catholic Students' Aid to the Bible.*

A similar course is offered at **Alma College.**

20. **Apologetics:** lectures, prescribed reading and essays. The Divinity of Christian Religion; Non-Christian Religions; the Christian Church; Government of the Church; relations between Church and State.
1½ hour per week: 1 credit.

Text-book: Sheehan, *Apologetics and Catholic Doctrine.*
References: Finlay, *The Church of Christ.*
Finlay, *The Straight Path.*
Benson, *The Religion of the Plain Man.*
Spalding, *Evidences of Catholicity.*
Coupe, *Where is the Church?*
Hull, *Galileo and His Condemnation.*
Vacandard, *The Inquisition.*
Allies, *The See of St. Peter.*
Rivington, *Authority.*
Devas, *The Key to the World's Progress.*
The Catholic Encyclopedia.

21. **Religious Knowledge:** New Testament History; the Maccabean period; Jewish life in the time of Christ; geography of Palestine; Gospel history; first century of Christian era; New Testament readings.

1 hour per week: 1 credit.

Text-book: The New Testament.
References: Charles Hart, *Manual of Bible History, Vol. II.*
Gigot, *Outlines of New Testament History.*
Catholic Students' Aid to the Bible, Vols. II and III.
Seisenberger, *Practical Handbook for the Study of the Bible.*

30. **Christian Doctrine:** lectures, prescribed reading and essays. The Authority of the Church; Faith; the Divine Essence; the Blessed Trinity; the Creation; the Incarnation; the Redemption.

1 hour per week: 1 credit.

Text-book: Sheehan, *Apologetics and Catholic Doctrine.*
References: Wilmers, *Handbook of Christian Doctrine.*
Vaughan, *Thoughts for All Times.*
Windle, *The Church and Science.*
Husslein, *Evolution and Social Progress.*
Gerard, *The Old Riddle and The Newest Answer.*
Benson, *Christ in the Church.*
Newman, *The Present Position of Catholics in England.*

31. **Church History:** lectures, prescribed reading and essays. Christian Antiquity and Mediaeval Church History, from the Birth of Christ to the year 1500 A.D.

2 hours per week: 2 credits.

Text-book: Birkhaeuser, *History of the Church.*
References: Darras, *General History of the Church, Four Volumes.*
Breuck, *History of the Church, Two Volumes.*
Allies, *Formation of Christendom, Five Volumes.*
Allies, *The Holy See and The Wandering of the Nations.*
Allies, *Peter's Rock in Mohammed's Flood.*
Dolan, *The Papacy and The First Councils of the Church.*
Pastor, *The Lives of the Popes.*
Montalembert, *The Monks of the West.*
Belloc, *Europe and the Faith.*

40. **Christian Doctrine:** lectures, prescribed reading and essays. God, the Sanctifier; the Sacramental System; the Last Things.

1 hour per week: 1 credit.

Text-book: Sheehan, *Apologetics and Catholic Doctrine.*
References: Wilmers, *Handbook of Christian Doctrine.*
Wirth, *Divine Grace.*
Coupe, *Lectures on the Holy Eucharist.*
Vassal-Phillips, *Catholic Christianity.*
Hart, *Catholic Doctrine.*
Vaughan, *Life after Death.*
Cardinal Gibbons, *Faith of our Fathers.*
The Catholic Encyclopedia.

41. **Church History:** lectures, prescribed reading and essays. The Reformation Period and Modern Church History.
2 hours per week: 2 credits.

Text-book: Birkhaeuser, *History of the Church.*
References: Breuck, *History of the Church, Two Volumes.*
Darras, *General History of the Church, Four Volumes.*
MacCaffrey, *History of the Church from the Renaissance to the French Revolution, Two Volumes.*
MacCaffrey, *History of the Church in the XIX Century, Two Volumes.*
Pastor, *The Lives of the Popes.*
Grisar, *Life of Luther.*
Gasquet, *England Under the Old Religion.*
Chesterton, *A Short History of England.*
Gairdner, *Lollardy and the Reformation, Four Volumes.*

Offered at Waterloo College only

19. A thorough study of the book of Genesis, stressing especially its spiritual and devotional values.
1 hour per week: 1 credit.

Text-book: The Bible.

29. A similar study of the Book of Acts, and one of the shorter Pauline Epistles.
1 hour per week: 1 credit.

Text-book: The Bible.

39. As in 29 but requiring a much more extensive and thorough knowledge of the Scriptures. The Course will alternate between the Old Testament and New Testament Literature.
2 hours per week: 2 credits.

Text-book: The Bible.

47. A Summary of the Christian Faith, setting forth the fundamental doctrines of the Sacred Scriptures from the standpoint of Evangelical Christianity.
2 hours per week: 2 credits.

Text-book: Jacobs, *A Summary of Christian Faith.*

48. **Church History:** lectures, prescribed reading and essays. Christian Antiquity and Mediaeval Church History, from the Birth of Christ to the year 1500 A.D. Given in 1926-27 and alternate years.
2 hours per week: 2 credits.

49. **Church History:** lectures, prescribed reading and essays. The Reformation Period and Modern Church History. Not given in 1926-27, given in 1927-28.
2 hours per week: 2 credits.

DEPARTMENT OF ROMANCE LANGUAGES

University College

I. O. WADE, PH.D., Associate Professor
W. E. COLLIN, L. ès L., M.A., Assistant Professor
A. DOROTHY TURVILLE, PH.D., Instructor
W. H. TRETHEWEY, M.A., Instructor
A. CÉLIÈRES, B. ès L., B. Paed., Instructor

Alma College

MRS. HARRIET DOBSON, B.A., Instructor

Assumption College

REV. L. J. BONDY, M.A., Professor
REV. P. J. BART, M.A., Instructor

Ursuline College

M. M. ST. ANNE, M.A., Professor
M. MARIE, B.A., Instructor

Waterloo College

DEAN A. O. POTTER, PH.D., Associate Professor

10. **Intermediate French:** grammar, dictation, conversation, translation into French, and some training in literary appreciation.

3 hours per week: 3 credits.

Text-books: Dow and Skinner, *Contes des romanciers naturalistes.*
Daniels, *Contes de la France contemporaine.*
Maupassant, *Huit Contes choisis.*
Sand, *La Petite Fadette.*
France, *Le Livre de mon ami.*
Loti, *Pêcheur d'Islande.*
Lavisse, *Histoire de France* (Cours Moyen).
Carnahan, *French Review Grammar.*
Lanson and Desseignet, *La France et sa civilisation.*

20. **Masterpieces of French Literature:** dictation, conversation and prose composition.

Prerequisite: French 10.

3 hours per week: 3 credits.

Text-books: Daudet, *Tartarin de Tarascon.*
Augier, *Le Gendre de Monsieur Poirier.*
Hugo, *Hernani.*
Voltaire, *Contes* or Warren, *Selections from Bossuet.*
Corneille, *Le Cid.*
Molière, *Le Bourgeois Gentilhomme.*
Fraser and Squair, *French Grammar, Part II.*
Collateral Reading: Loti, *Ramuntcho.*
Balzac, *Le Curé de Tours.*
B. de St. Pierre, *Paul et Virginie.*
Beaumarchais, *Le Barbier de Seville.*
Marivaux, *Le Jeu de l'amour et du hasard.*
Racine, *Andromaque,* or LaFontaine, *Cent Fables* (Ginn).
Strachey, *Landmarks of French Literature.*

30. **Outline of French Literature:** dictation, conversation and prose composition.

Prerequisite: French 20.

3 hours per week: 3 credits.

Text-books: Racine, *Britannicus.*
Molière, *Le Misanthrope.*
Montesquieu, *Les Lettres persanes.*
Schinz, *La Vie et les Oeuvres de J. J. Rousseau.*
La Triade Française (Heath).
Des Granges, *Histoire de la Littérature Française.*
Shanks and Méras, *French Composition for Colleges* (Lessons 19-36).
Collateral Reading: Corneille, *Horace.*
Voltaire, *Zaïre.*
Chateaubriand, *Atala.*
Flaubert, *Trois Contes.*
Balzac, *Eugénie Grandet.*
Bowler, *Stories by Contemporary French Novelists.*

35. **Scientific French:** a course in the reading of scientific French, from text-books or journals in class, supplemented by the reading of one text in the special field of research of each student.

Prerequisite: French 10.

1 hour per week: 1 credit.

Text-book: P. Ledoux: *Eléments usuels des sciences physiques et naturelles (Cours Supérieur)*, Hachette, Pages 1-213.
Outside reading text to be assigned.

37. **French Conversation:** a course in practical spoken French. Open to students taking 30 or 200.

1 hour per week: ½ credit.

40. **The French Drama:** conversation and free composition. Students taking this course are advised to take French 47. Given in 1926-27: alternates with French 48.

Prerequisite: French 30.

3 hours per week: 3 credits.

Text-books: Corneille, *Cinna.*
Racine, *Phèdre.*
Marivaux, *Le Jeu de l'amour et du hasard.*
Voltaire, *Zaïre.*
Hugo, *Hernani.*
Musset, *Comédies.*
Dumas, *La Question d'argent.*
Rostand, *Cyrano de Bergerac.*
Hervieu, *La Course du flambeau.*
Brieux, *Blanchette.*
Molière, *Tartuffe.*
Beaumarchais, *Mariage de Figaro.*
Vigny, *Chatterton.*
Augier, *Le Fils de Giboyer.*
Scribe, *La Bataille de dames.*
Pailleron, *Le Monde où l'on s'ennuie.*
Bornier, *La Fille de Roland.*
Maeterlinck, *Pelléas et Mélisande.*

45. **Scientific French:** an advanced course in the reading of scientific French from text-books or journals in class, supplemented by the reading of one text in the special field of research of each student.

Prerequisite: French 35.

1 hour per week: 1 credit.

Text-book: P. Ledoux, *Eléments usuels des sciences physiques et naturelles (Cours Supérieur)*, Pages 214-442.
Outside reading to be assigned.

47. **French Conversation, Advanced:** a continuation course in spoken French. Open to students taking French 40, 48, 300 or 400.

1 hour per week: ½ credit.

48. **The French Novel:** its development from the seventeenth century to the present time. Conversation and reports in French. Students in this course will read a 200-page novel, in French, every two weeks, from a selected list; the lectures will be based upon Morillot, *Le Roman en France.* Not given in 1926-27: alternates with French 40.

Prerequisite: French 30.

3 hours per week: 3 credits.

Honour Courses

100. **Introduction to French Literature:** conversation, dictation and prose composition, one hour per week. Prescribed for honour courses in Modern Languages and Romance Languages and optional for honours in English and History.

4 hours per week: 4 credits.

Text-books: Racine, *Phèdre.*
Molière, *Le Bourgeois gentilhomme.*
Marivaux, *Le Jeu de l'amour et du hasard.*
Voltaire, *Zadig.*
Hugo, *Hernani.*
Balzac, *Le Curé de Tours.*
Strachey, *Landmarks of French Literature.*
Dow and Skinner, *Contes des romanciers naturalistes.*
Warren, *French Prose of XVIIth Century.*
Vreeland and Michaud, *Anthology of French Prose and Poetry.*
Canfield, *French Lyrics.*
Lavisse, *Histoire de France* (Heath).
Fraser and Squair, *French Grammar, Part II.*

200. **The Literature of the Seventeenth Century:** French Classical Drama (second semester), lectures, reading, discussion, dictation and reports. Prescribed for honours in Modern

Languages and Romance Languages; optional for honours in English and History.

Prerequisite: French 100.

3 hours per week: 3 credits.

Text-books: Schinz and King, *Seventeenth Century French Readings.*
Corneille, *Le Cid, Horace, Cinna, Polyeucte.*
Boileau, *Art Poétique.*
Racine, *Andromaque, Britannicus, Phèdre, Athalie, Esther.*
Molière, *Les Précieuses ridicules, Les Femmes savantes, Le Tartuffe. Le Misanthrope.*
Perrault, *Contes,* Mme. de Lafayette, *La Princesse de Clèves.*
Saint-Simon, *Mémoires,* Nelson Edition.
Des Granges, *Histoire de la Littérature française.*
References: Cousin, *La Société Française au xviiè Siècle.*
Wright, *History of French Literature.*

201. **Prose Composition and Conversation.**

Prerequisite: French 100.

1 hour per week: 1 credit.

Text-books: Shanks and Méras, *French Composition for Colleges* (Lessons 19 to 36).

300. **The Literature of the Eighteenth Century:** lectures, reading, discussion, reports in French. Prescribed for Honour Modern Languages and Romance Languages; optional for Honour English and History.

Prerequisite: French 200.

3 hours per week: 3 credits.

Text-books: Schinz, *Eighteenth Century Readings.*
Montesquieu, *Lettres persanes.*
LeSage, *Turcaret, Gil Blas, Le Diable boiteux.*
Voltaire, *Zaïre, Contes.*
Marivaux, *Le Jeu de l'amour et du hasard.*
Diderot, *Selections.*
Rousseau, *Essai sur l'inégalité.*
Beaumarchais, *Le Mariage de Figaro.*
Les Encyclopédistes (Renaissance du livre).
Taine, *L'Ancien Régime.*
Prévost, *Manon Lescaut.*
Sedaine, *Le Philosophe sans le savoir.*

301. **French Composition and Conversation.**

Prerequisite: French 201.

1 hour per week: 1 credit.

Text-book: Shanks and Méras, *French Composition for Colleges* (Lessons 19 to 36).

302. **French Civilization:** its social, political, industrial and aesthetic evolution; a background course for students of French. Required for Honour Romance Languages.

Prerequisite: French 300, or 30.

2 hours per week: 2 credits.

Text-books: Rambaud, *La Civilisation Française.*
Hourticq, *L'Art en France.*

400. The Literature of the Nineteenth Century: lectures, reading, conversation and essays in French; prescribed for Honour Modern Languages and Romance Languages; optional for Honour English and History.

Prerequisite: French 300.

3 hours per week: 3 credits.

Text-books: Henning, *French Lyrics of the Nineteenth Century.*
Sand, *Mauprat.*
Hugo, *Hernani, Notre Dame de Paris.*
Balzac, *La Recherche de l'Absolu, Le Père Goriot.*
Gautier, Selections.
Augier, *Le Fils de Giboyer.*
Dumas, *La Question d'argent.*
Flaubert, *Trois Contes.*
Zola, *La Débâcle.*
Taine, *Introduction à l' Histoire de la Littérature anglaise.*
Renan, *Souvenirs d'enfance et de jeunesse.*
Bourget, *Le Disciple.*
France, *M. Bergeret.*
Des Granges, *Histoire de la Littérature française.*
References: Lanson, *Histoire de la Littérature française,* Petit de Julleville, Pellissier, Brandes, Brunetière, Faguet, etc.

401. Advanced Composition and Grammar.

Prerequisite: French 301.

1 hour per week: 1 credit.

Text-book: Armstrong, *Syntax of the French Verb.*

402a. **Phonology and Morphology of Old French:** lectures, translation, reports.

Prerequisite: French 302.

2 hours per week one term: 1 credit.

Text-books: Luquiens, *An Introduction to Old French Phonology and Morphology.*
Paris, *La Littérature française au moyen age.*
Jenkins, *La Chanson de Roland.*
Suchier, *Aucassin et Nicolette.*
Paris, *Anthologie du moyen âge* (Hachette).

402b. **The Literature of the Sixteenth Century:** lectures, translation, reports.

Prerequisite: French 402a.

2 hours per week one term: 1 credit.

Text-books: Du Bellay, *Oeuvres choisies.*
Des Granges, *Morceaux choisies.*
Wright, *Selections from Rabelais.*
Wright, *Selections from Montaigne.*
Ronsard, *Poésies choisies.*
Marot, *Poésies choisies.*

Courses Leading to the Degree of M.A.

French 40, 48, 49, supplemented by advanced collateral reading lists and a thesis, may be offered for graduate credit. French 300, 301, 400 and 401 may be elected under similar conditions. If the required number of students present

themselves, one of the following courses will be offered from time to time:

The Fifteenth and Sixteenth Centuries in French Literature.

The Classical Age in French Literature.

Contemporary French Literature.

Explications de textes.

Old Provençal.

Contemporary French Poetry.

ITALIAN

100. Grammar, pronunciation, translation of simple texts; prescribed for first year students in Honour Romance Languages.

3 hours per week: 3 credits.

Text-books: Wilkins, *Italian Grammar.*
Wilkins, *Italia.*
Wilkins-Altrocchi, *Italian Short Stories.*
De Amicis, *Cuore.*
Manzoni, *I Promessi Sposi.*

200. **Introduction to Italian Literature:** composition; prescribed Honour Romance Languages.

Prerequisite: Italian 100.

3 hours per week: 3 credits.

Text-books: Dante, *La Divina Commedia.*
Goldoni, *LaLocandiera.*
Leopardi, *Canti.*
Carducci, *Poesie.*
Fogazzaro, *Daniele Cortis.*

SPANISH

100. **Elementary Course:** grammar, pronunciation, dictation, conversation, collateral reading, translation, memorization of short fables and poems. Prescribed for first year students in Honour Romance Languages and optional for first and second year, General Course.

Each student taking this course will be required to read and to write a report on at least one of the books recommended for reference.

Prerequisite: Complete Pass Junior Matriculation.

3 hours per week: 3 credits.

Text-books: Warshaw-Bonilla, *The Elements of Spanish* (Lessons 1 to 70).
Schevill, *A First Reader in Spanish* (Holt).
Alarcón, *El Sombrero de Tres Picos* (Holt).
Perez Escrich, *Fortuna* (Heath).
Carrión y Aza, *Zaragüeta* (Heath).
Valdés, *La Hermana San Sulpicio* (Holt).
References: Ford, *Gatherings from Spain* (Everyman).
Bensusan, *Home Life in Spain.*

200. Spanish Drama and Poetry in the Nineteenth Century: lectures, reading, translation, discussion and reports.
Prerequisite: Spanish 100 or equivalent.
2 hours per week: 2 credits.

Text-books: Ayala, *Consuelo* (Holt).
Hartzenbusch, *La Coja y el Encojido* (Holt).
Moratin, *El Sí de las Niñas* (Ginn).
Garcia Gutiérrez, *El Trovador* (Heath).
Hartzenbusch, *Los Amantes de Teruel* (Heath).
Tamayo y Baus, *Lo Positivo* (Heath).
Zorilla, *Don Juan Tenorio* (Casa Editorial Maricci).
Nuñez de Arce, *El Haz de Leña* (Heath).
Echegaray, *O Locura o Santidad* (Heath).
Hills and Morley, *Modern Spanish Lyrics*, pp. 26-150.
Tamayo y Baus, *Un Drama Nuevo* (Allyn and Bacon).

201. Grammar, Composition and Conversation.
Prerequisite: Spanish 100 or equivalent.
1 hour per week: 1 credit.

Text-books: Warshaw-Bonilla, *The Elements of Spanish* (Lessons 70 to 105).
Cool, *Spanish Composition.*

202. Readings in History of Spain and South America.
Prerequisite: Spanish 100 or equivalent.
1 hour per week: 1 credit.

Text-books: Castillos, *Compendio de Historia Hispano-Americana.*
Romero-Navarro, *Historia de España.*

300. The Spanish Novel: lectures, reading, translation, discussion, reports.
Prerequisite: Spanish 200 or equivalent.
2 hours per week: 2 credits.

Text-books: *El Conde Lucanor* (Selections in Menéndez-Pidal Antologia).
La Celestina (Selections in Menéndez-Pidal).
Lazarillo de Tormes.
Cervantes, *Novelas Ejemplares* (Holt), *Don Quijote* (Heath).
Padre Isla, *Gil Blas* (Heath).
Alarcón, *El Capitón Veneno.*
Valera, *Pepita Jiménez.*
Valdés, *José* (Heath).
Galdós, *Doña Perfecta* and *Marianela.*
Blasco Ibáñez, *La Barraca.*
References: Ticknor, *History of Spanish Literature.*
Fitzmaurice-Kelly, *History of Spanish Literature.*
J. D. M. Ford, *Main Currents of Spanish Literature.*
Menéndez y Pelayo: *Orígenes de la Novela.*
González Blanco, *Historia de la Novela en España.*
La Literatura Española en el Siglo XIX.
Hume, *Modern Spain.*

301. Grammar, Composition and Conversation.
Prerequisite: Spanish 201 or equivalent.
1 hour per week: 1 credit.

Text-book: Ramsey, *Spanish Grammar* (Lessons I-XXVI).

302. **Contemporary Drama and Verse:** lectures, reading, translation, discussion, reports.
Prerequisite: Spanish 200, 202.
2 hours per week: 2 credits.

Text-books: Hills and Morley, *Spanish Lyrics*, pp. 151-224.
Coester, *Anthology of the Modernista Movement in Spanish America* (Ginn).
Marquina, *Las Hijas del Cid, En Flandes se ha Puesto el Sol* (Heath).
Benavente, *Tres Comedias* (Heath).
Linares Rivas, *El Abolengo.*
Quinteros, *Doña Clarines, Mañana del Sol* (Heath), *La Flor de la Vida.*
Martinez Sierra, *El Palacio Triste, Canción de Cuna, Sol de la Tarde.*
Selections from Machado, Jiménez, etc.
References: Coester, *The Literary History of Spanish America.*

400. **The Golden Age and Earlier Literature:** translation of Spanish Prose and Poetry of Sixteenth and Seventeenth Century. Collateral Reading; written dissertations.
Prerequisite: Spanish 300, or its equivalent.
2 hours per week: 2 credits.

Text-books: Northup, *Ten Spanish Farces.*
Lope de Vega, *Amar sin Saber a Quien* (Holt).
El Mejor Alcalde el Rey, La Moza de Cántaro.
Tirso de Molina, *Don Gil de las Calzas Verdes* (Holt).
Guillen de Castro, *Las Mocedades del Cid* (La Lectura).
Ruiz de Alarcón, *La Verdad Sospechosa* (La Lectura), and *Las Paredes Oyen* (Holt).
Quevedo, *Vida del Buscón* (La Lectura).
Calderón de la Barca, *La Vida es sueño* (American Book Co.).
El Alcalde de Zalamea (Heath).
Oxford Book of Spanish Verse, pp. 1-240.
References: Moratin, *Orígines del Teatro Español.*
Ticknor, *History of Spanish Literature.*
Azorin, *Al Margen de los Clásicos.*

401. **Advanced Composition and Conversation.**
Prerequisite: Spanish 301 or equivalent.
1 hour per week: 1 credit.

Text-book: Ramsey, *Spanish Grammar* (Lessons XXVII-LII).

402. **Spanish Ballad Poetry.**
Prerequisite: Spanish 302 or equivalent.
2 hours per week: 2 credits.

Text-book: Menéndez y Pelayo, *Antología, Vol. VIII.*
References: Menéndez y Pelayo, *Antología de Poetas Líricos Castellanos, Vol. IX.*
Durán, *Romancero General.*

403. **Phonology and Morphology of Spanish:** an introduction, together with readings in old Spanish, supplementary to 402.
Prerequisite: Spanish 302.
1 hour per week: 1 credit.

Text-books: Ford, *Old Spanish Readings* (Ginn).
Poema del mio Cid.
Reference: Menéndez Pidal, *Manual de Gramática Histórica Española.*

THEOLOGICAL OPTIONS

Offered by Huron College.

Apologetics

PROFESSOR SAGE

30. **Christian Evidences.** Belief in the Divinity of Jesus Christ:

(a) His moral teaching and influence.

(b) The manifestation of His power over the natural world.

2 hours per week: 2 credits.

Text-books: Harris, *Pro Fide.*
Gore, *Belief in God.*
References: Taylor, *The Virgin Birth.*
Orr, *The Resurrection of Jesus.*
Headlam, *The Miracles of the New Testament.*

31. **Christian Theism.** Belief in the existence of God; arguments:

(a) Cosmological.

(b) Teleological.

(c) Moral.

2 hours per week for the first term: 1 credit.

Text-books: Harris, *Pro Fide.*
Gore, *Belief in God.*
References: Galloway, *Religion and Modern Thought.*
Sorley, *The Idea of God.*
Harris, *Creeds or No Creeds?*

32. **Comparative Religion.** History of Religion:

(a) The origin and nature of religious consciousness.

(b) Tribal, national and universal religions.

(c) The elements common to religion and their values.

2 hours per week for the second term: 1 credit.

Text-books: Menzies, *History of Religion.*
Watson, *Religions of the World.*
References: Toy, *Introduction to the History of Religion.*
Hastings, *Encyclopedia of Religion and Ethics.*

Biblical Literature

PRINCIPAL WALLER

The courses presuppose a general acquaintance with the outlines of Old and New Testament History, such as is given in Old and New Testament Outlines in Huron College.

30. **Old Testament General, I.** From the beginning of Scripture History to the death of Solomon with more particular reference to the period from the sojourn in Egypt.
1 hour per week for one year.

40. **Old Testament General, II.** From the death of Solomon to the close of the Old Testament canon. The prophets are studied historically in connection with the period in which they lived.
1 hour per week.

31. **New Testament General, I.** The New Testament period with more special reference to the history in the Acts of the Apostles and concurrent Pauline Epistles up to Acts 20.
1 hour per week.

41. **New Testament General, II.** History with concurrent Biblical literature from Acts 20 to the close of the New Testament canon.
1 hour per week.

N.B.—The above lectures are usually given in alternate years. They are supplemented by more intensive study of particular books in other courses.

Text-book: In every case the English Bible.

Church History

PROFESSOR MCKEGNEY

30. **Early Church History.** From the beginning of the Christian Church to A.D. 461.
2 hours per week: 1 credit.

Text-books: Foakes-Jackson, *The History of the Christian Church from the Earliest Times to A.D. 461.*
References: Gwatkin, *Early Church History.*
Rainy, *The Ancient Catholic Church.*

40. **History of the Church in England:** the early period to 1603.
2 hours per week: 2 credits.

Text-book: Overton, *The Church in England* (Vol. I.)
Reference: Stephens and Hunt, *History of the Church of England.*

41. **History of the Church in England:** the later period from 1603 to the present time; lectures on the modern expansion of the Church.
2 hours per week: 2 credits.

Text-book: Overton, *The Church in England* (Vol. 2).
Reference: Stephens and Hunt, *History of the Church of England.*

42. **History of the Reformation.**
2 hours per week: 2 credits.

Text-book: Fisher, *The Reformation.*
References: Lindsay, *History of the Reformation, Two Volumes.*
Cambridge Modern History, Vols. I, II, III, IV.

DEPARTMENT OF ZOOLOGY

A. D. ROBERTSON, B.A.,	Professor
J. D. DETWILER, PH.D.,	Associate Professor
HELEN BATTLE, M.A.,	Instructor
CLAUDE MCCALLUM, B.A.,	Instructor
NELDA WRIGHT, B.A.,	Demonstrator
EARL ZILLER,	Technician

Students taking work in this Department will be required to make a deposit of two dollars to cover supplies and breakages. A refund of any surplus will be made at the end of the college year.

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

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

Prerequisites: Junior Matriculation.

Text-books: Shull, *Principles of Animal Biology.*
Shull, *Laboratory Directions in Principles of Animal Biology.*
Hyman, *A Laboratory Manual for Elementary Zoology.*

11b. **Invertebrate Zoology:** for premedical students of the first year; a course dealing with selected Invertebrate types from the comparative and evolutionary point of view.

2 lectures and 4 laboratory hours per week for one term: 2 credits.

Prerequisites: Botany 11a.

Text-books: Kerr, *Zoology for Medical Students.*
Hyman, *A Laboratory Manual for Elementary Zoology.*
Borradaile, *Manual of Zoology.*

20. **Invertebrate Zoology:** for second year General Course students; a course dealing with selected Invertebrate types from the comparative and evolutionary point of view.

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

Prerequisites: Zoology 10.

Text-books: Hyman, *A Laboratory Manual for Elementary Zoology.*
Borradaile, *Manual of Zoology.*

21. **Comparative Anatomy:** for premedical students of the second year; a course dealing with the structure and evolution of the Chordates.

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

Prerequisites: Zoology 11b.

Text-books: Kingsley, *Comparative Anatomy of the Vertebrates.*
Hyman, *A Laboratory Manual for Elementary Zoology.*
Hyman, *A Laboratory Manual for Comparative Anatomy.*
Newman, *Vertebrate Zoology.*

22. **Chordate Zoology:** for General Course students; a course dealing with selected Chordate types from the comparative and evolutionary standpoint.

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

Prerequisites: Zoology 10.

Text-books: Kingsley, *Comparative Anatomy of the Vertebrates.*
Newman, *Vertebrate Zoology.*
Hyman, *A Laboratory Manual for Elementary Zoology.*
Hyman, *A Laboratory Manual for Comparative Anatomy.*

30. **Animal Ecology:** a course dealing with ecology of animals. This course will stress investigation of special phases of ecology and will involve classification and economic relations.

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

Prerequisites: Zoology 20.

References: Ward and Whipple, *Fresh-Water Biology.*
Needham and Lloyd, *Life of Inland Waters.*
Shelford, *Animal Communities of Temperate America.*
Comstock, *An Introduction to Entomology.*
Comstock, *The Spider Book.*
Jordan, *Manual of the Vertebrates.*

31. **Elementary Entomology:** an elementary course dealing with the structure, development, life histories, economic relationships and classification of representative insects.

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

Prerequisites: Zoology 20.

Text-books: Comstock and Kellogg, *Insect Anatomy.*
Comstock, *An Introduction to Entomology.*

32. **Elementary Embryology:** a course dealing with the elementary principles of animal development.

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

Prerequisites: Zoology 22.

Text-book: McEwen, *Text-book of Vertebrate Embryology.*

33. **Elementary Experimental Zoology:** a course dealing with elementary animal reactions, simple physiological principles and other elementary experimental work on animals, including genetics.

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

Prerequisite: Zoology 20 or Zoology 22.

Text-books: Jennings, *Behaviour of the Lower Organisms.*
Sharpey-Schafer, *Experimental Physiology.*
Babcock and Collins *Genetics Laboratory Manual.*

34. **Evolutionary Zoology:** a lecture and demonstration course dealing with the evidence for, course of, and theories of evolution in the animal kingdom.

2 lectures a week: 2 credits.

Prerequisites: Zoology 10.

Text-book: Newman, *Readings in Evolution, Genetics and Eugenics.*

Honour Courses

100. **Elementary Zoology:** for Honour Biology, Honour Science and B.A., M.D., students; a course dealing with the general principles of Zoology.

2 lectures and 4 laboratory hours per week for one term: 2 credits.

Prerequisites: Full entrance requirements for the Honour Biology Course.

Text-books: Shull, *Principles of Animal Biology.*
Shull, *Laboratory Directions in Principles of Animal Biology.*
Hyman, *A Laboratory Manual for Elementary Zoology.*

200. **Invertebrate Zoology:** for Honour Biology, Honour Science and B.A., M.D., students. The purpose of this course is to give a general idea of the important phyla leading up to the Chordates and to show from selected forms how the animal functions are carried out and what adaptations and advances are made as specialization increases.

2 lectures and 6 laboratory hours per week for one term: 2½ credits.

Prerequisites: Zoology 100 and Botany 100.

Text-books: Borradaile, *Manual of Zoology.*
Petrunkevitch, *Morphology of Invertebrate Types.*
Hyman, *A Laboratory Manual for Elementary Zoology.*

300. **Comparative Anatomy:** for students in the Honour Biology, Honour Science and B.A., M.D. courses; a course dealing with the structure and evolution of the Chordates.

2 lectures and 6 laboratory hours per week for the whole year: 5 credits.

Prerequisites: Zoology 200, 305 and Botany 200.

Text-books: Kingsley, *Comparative Anatomy of the Vertebrates.*
Newman, *Vertebrate Zoology.*
Hyman, *A Laboratory Manual for Elementary Zoology.*
Hyman, *A Laboratory Manual for Comparative Anatomy.*

305. **Invertebrate Collection:** for students in Honour Biology. Before entering on the third year of the Honour Biology Course students will be required to make a specified collection of Invertebrate forms. For particulars, apply to the professor in charge of the Invertebrate courses.

400. **History and Theory of Biology:** for students in the Honour or General Courses; a course dealing with the history, theory and problems of Biology.

2 lectures per week: 2 credits.

Prerequisites: Zoology 300 and Botany 300; or Zoology 30 and Botany 30.

Text-books: Newman, *Readings in Evolution, Genetics and Eugenics.*
Locy, *Biology and Its Makers.*
Kellogg, *Darwinism of To-day.*
Bateson, *Mendel's Principles of Heredity.*
Morgan, *Experimental Zoology.*
Osborn, *Origin and Evolution of Life.*
Morgan, *Physical Basis of Heredity.*
Punnet, *Mendelism.*

401. **Experimental Zoology:** for students in Honour Zoology, Honour Biology and Honour Science; a course dealing with the biological reactions of animals. The course will consist of two parts; 401a given during the first term will deal with animal metabolism and physiology, 401b given during the second term will deal with tropisms, regeneration, genetics, etc. Either part will be available for Honour Biology students taking the Biology option during the fourth year and for Honour Science students.

8 hours per week: 4 credits.

Prerequisite: Zoology 300.

References: Jennings, *Behavior of the Lower Organisms.*
Mast, *Light and the Behavior of Organisms.*
Loeb, *Forced Movements, Tropisms and Animal Conduct.*
Roaf, *Text-book of Physiology.*
Morgan, *Regeneration.*
Sharpey-Schafer, *Experimental Physiology.*
Lillie, *Protoplasmic Action and Nervous Action.*
Child, *Physiological Foundations of Behavior.*
Mitchell, *Text-book General Physiology.*
Current Periodical Literature.

402. **Animal Ecology:** for Honour Biology and Honour Science students; in this course special problems will be assigned to individual students. This course will involve classification and economic relations.

8 laboratory hours per week for one term: 2 credits.

Prerequisites: Zoology 300 and Botany 300.

References: Ward and Whipple, *Fresh-Water Biology.*
Needham and Lloyd, *Life in Inland Waters.*
Shelford, *Animal Communities in Temperate America.*
Comstock, *Manual for the Study of Insects.*
Comstock, *The Spider Book.*
Jordan, *Manual of the Vertebrates.*

403. **Histology:** for Honour Biology students; a course dealing with the histology and cytology of animals.

8 hours per week for one term: 2 credits.

Prerequisites: Zoology 300 and Botany 300.

Text-book: Jordan, *Text-book of Histology.*

404. **Embryology:** for Honour Biology students; a course dealing with the embryology of animals.

8 hours per week for one term: 2 credits.

Prerequisites: Zoology 300 and Botany 300.

Text-book: McEwen, *Text-book of Vertebrate Embryology.*

405. **Vertebrate Collection:** for students in Honour Biology. Before entering on the fourth year in the Honour Biology course, students will be required to make a specified collection of Vertebrate forms. For particulars apply to the professor in charge of the Chordate courses.

406. **Entomology, Morphological and Systematic:** for students in Honour Biology and Honour Science; a course dealing with the elementary morphology, life histories and classification of insects.

8 laboratory hours per week for one term: 2 credits.

Prerequisites: Zoology 300 and Botany 300.

This course is optional with 402 for students who intend to pursue further work in Entomology in this or some other university.

Text-books: Comstock, *Elementary Morphology of Insects.*
Comstock and Kellogg, *Insect Anatomy.*
Comstock, *An Introduction to Entomology.*

407. **Animal Distribution:** for students in Honour Zoology; a course dealing with the environmental relationships of animals in respect to their local and geographical distribution.

4 hours per week: 2 credits.

Prerequisite: Zoology 300.

References: Gadow, *The Wanderings of Animals.*
Scharff, *Origin and Distribution of Life in America.*
Scharff, *The History of the European Fauna.*
Heilprin, *The Distribution of Animals.*
Wallace, *Geographical Distributions of Animals.*
Beddard, *Text-book of Zoogeography.*
Ward and Whipple, *Fresh-water Biology.*
Needham and Lloyd, *Life in Inland Waters.*
Shelford, *Animal Communities in Temperate America.*
Semper, *Animal Life.*
Comstock, *An Introduction to Entomology.*
Comstock, *Spider Book.*

408. **Animal Phylogeny:** for students in Honour Zoology; a course dealing with the phylogenetic relationships of animals, with particular attention to vertebrate descent.

4 hours per week: 2 credits.

Prerequisite: Zoology 300.

Text-books: Pratt, *Manual of the Common Invertebrate Animals.*
Pratt, *Manual Vertebrate Animals.*
Newman, *Vertebrate Zoology.*
References: Bronn, *Klassen und Ordnungen des Thierreichs.*
Lankester, *Treatise on Zoology.*
Cambridge Natural History.

DEGREES CONFERRED IN 1925

Doctor of Laws

Oscar Douglas Skelton.

Master of Arts

William Edwin Collin.
Ruth Helen Davis.

Master of Science

Clifford Warren Chapman.
Roswell Percival Ingram Dougall.
Russell Amos Waud.

Bachelor of Divinity

Claude Alan Beesley
Charles Meredyth Carew Hallowell

Doctor of Medicine

Douglas De Vallee Auld
James Douglas Balfour
Thomas Ivison Barnby
Fulton Roscoe Varcoe Bateson
Harry Allan Cave
John Archibald Ferguson
George Gordon Gibson.
Herbert Henry Gilbert.
Angus Sifton Graham.
John Glanville Jose.
Fred Stanley Kipp.
Harold Edward MacMahon.
Roderick Ross MacNeil.
Harold Sinclair Magee.
Wilfred Lawrence Maguire.
Donald James McIntosh.
William Gordon Morris.
Arthur John Read.
Lloyd Hartwick Spencer.
George Arthur Forbes Wainwright.
Reginald John Wride.

Bachelor of Arts

(UNIVERSITY COLLEGE)

Marcus Frederick Auden.
Leonard Sheldon Bartlett.
Newton John Talbot Bigelow.
George Watt Bond.
Aileen Boomer.
Josephine Harding Buchanan.
Phillips Burton.
Richard Edward Butler.
James Leon Callaghan.
Agnes Campbell.
Clendone Orphus Colbert.
Cyril Clifton Colwill.
Edward Graham Cowley.
Margaret Murray Scott Crawford.
Roy Allison Creasy.
Robert James Currie.
John Lorne Dawson.
Frederick Maurice Dobson.
John Mackenzie Dobson.
Andrew Montague Isaacson Alexander William Durnford.
Robert LaVergne Eagleson.
Calvin John Sutherland Fitzgerald.
Reginald Griffiths Fowler.
James Harold Fox.
Helen Marlowe Garbutt.
Merwin Ansley Garland.
John Beverly Givins.
Leslie Robb Gray.
Isabel Smibert Griffiths.
Helen Marguerite Hardy.
Oswald Lofthouse Hord.
Ardagh Sidney Kingsmill.
Rose Leff.
Gordon Richard Magee.
Arno Aaron Mansz.
Arthur Robert Kidner Matthews.
Isabelle Fleda McCubbin.
George Alfred Merifield.
Eunice Louise Moorhouse.
Douglas Parnell Morris.
William Frederick Parsons.
George Harold Reavely.

Edward Gordon Silverwood.
Jean Babcock Smith.
Cyril Francis Sullivan.
James John Talman.
Giles Russell Taggart, Jr.
Harold Ross Tufts.
Milton Vance Walker.
Jessie Rathbone Whittle.
Grant Lindsay Wiley.
Garnet Woonton.
Jennie Margaret Wright.
Nelda Emelyn Wright.
Allie J. York.

(URSULINE COLLEGE)

Patrick Edward Brown.
Mary Electa Downey.
Patrick James Gleeson.
John Thomas Maloney.
Gertrude Beatrice Manley.
Thomas Joseph McCarthy.
Florence Josephine McDonagh.
Simon Joseph McDonald.
John Joseph O'Neil.
Madeleine Fernande Rosier (Sr. Marie of the Sacred Heart).

(ASSUMPTION COLLEGE)

John Michael Lynch.
John Alexander McMillan.

Certificate of Public Health Nurse

Dorothy Susanna Bluhm.
Iva Jane Kingsley.
Margaret Elizabeth McDermid.
Mary Eliza Shore.
Marcelle Smith.
Verna Lown Vance.
Mildred Irene Walker.

INDEX

	PAGE
Admission to General Course	32
" " Honour Courses	32, 33
Advanced Standing	33, 34
Alma College, Officers of	29
Appeals	37
Assumption College, Officers of	25
Board of Governors	6
Calendar	4
Calendar, Faculty of Arts	5
Courses in Botany ... Description of	79
" Chemistry ... " "	84
" Classics ... " "	88
" Commercial Economics ... " "	95
" Economic and Political Science ... " "	99
" English ... " "	106
" French ... " "	161
" Geology ... " "	122
" German ... " "	125
" Government and Law ... " "	104
" Greek ... " "	91
" Hebrew ... " "	127
" History ... " "	129
" Italian ... " "	166
" Latin ... " "	88
" Law ... " "	135
" Library and Secretarial Science ... " "	136
" Mathematics and Astronomy ... " "	137
" Philosophy ... " "	146
" Physical and Military Training ... " "	150
" Physics ... " "	152
" Public Health ... " "	157
" Religious Knowledge ... " "	157
" Spanish ... " "	166
" Theological Options ... " "	169
" Zoology ... " "	171
Degrees	19
Degrees Conferred, 1925	176
Examinations	34
Examinations, Failure in	36
Examinations, Supplemental	36
Extramural Course	38
Fees	54
High School Assistants' Certificates	52
Huron College, Officers of	28

	PAGE
Inspectors' Certificate, Public School	53
LL.B. Course	42
Lectures, Attendance at	37
Length of Courses	33
Libraries	19
M.A. Course	40
Matriculation, Junior Pass	30
" Honour	30
" Equivalent Certificates	31
Medals and Scholarships	43
Officers of Instruction, Faculty of Arts	10
Premedical Course	78
Requirements for Degrees, B.A. General	55
" " B.A. General, (First Class Certificate)	58
" " B.A. General, Librarian and Secretarial	59
" " B.A. Theological Options	60
" " B.A. Honours, Biology	62
" " " Chemistry	64
" " " Classics	65
" " " Commercial Economics	65
" " " Economics	67
" " " English and French	69
" " " English and German or Spanish	69
" " " English and History	68
" " " English and Latin	70
" " " French and German or Spanish	71
" " " French and Latin	71
" " " Geology	72
" " " Mathematics and Physics	73
" " " Philosophy	75
" " " Romance Languages	76
" " " General Science	76
" " " B.A., M.D.	77
" " B.Sc. in Nursing	61
Scholarships, Matriculation	47
Scholarships, University	43
Senate	6
Special Students	34
Specialist Certificates	52
Summer School	39
University, Officers of Administration	8
" College, Officers of	20
Ursuline College, Officers of	26
Waterloo College, Officers of	27