UNIVERSITY OF WESTERN ONTARIO

LONDON - - - CANADA

COLLEGES OF ARTS



ANNOUNCEMENT 1924-1925

UNIVERSITY OF WESTERN ONTARIO

LONDON - - - CANADA

COLLEGES OF ARTS



ANNOUNCEMENT 1924-1925

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1924

JULY						
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CALENDAR OF COLLEGES OF ARTS

1924

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

September 10, Wednesday....Examinations for removal of conditions, Colleges of Arts, begin.

September 22, Monday.....Registration Day.

September 23, Tuesday.....Last day for registration except on penalty of one dollar.

September 24, Wednesday....Lectures begin.

October 1, Wednesday.....Last day for registration except on penalty of two dollars.

October 8, Wednesday.....Last day of registration for all except Special Students in the Colleges of Arts.

November 10, Monday.....Thanksgiving Day, holiday.

December 20, 1.00 p.m., Saturday.....Christmas Vacation begins.

1925

January 5, 8.00 a.m., Monday..Lectures resume.
Last day for submitting outline of M.A. Theses.

January 19, Monday.....Examinations, first term, begin.

January 31, Saturday.....First term ends.

February 2, Monday.....Second term begins.

February 2, Monday.....Last day for payment of second term fees.

April 9, 5.00 p.m., Thursday.....Easter Vacation begins.

April 14, Tuesday.....Lectures resumed in Colleges of Arts.

May 9, Saturday.....Lectures for the second term in the Colleges of Arts close.

May 11, Monday.....Examinations for the second term in the Colleges of Arts begin.

May 23, Saturday.....Interscholastic Athletic Meet.

May 29, Friday.....Convocation.

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H. R. KINGSTON, Director Summer School, *ex officio*

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DR. R. FERGUSON,	*Faculty of Medical School*
DEAN H. W. HILL,	*Faculty of Public Health*
DR. A. J. SLACK,	*Faculty of Public Health*
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REV. DR. C. C. WALLER,	*Council of Huron College*
SUPERIOR D. L. DILLON,	*Assumption College*
PROFESSOR W. C. SHARPE,	*Assumption College*
REV. H. POCOCKE,	*Ursuline College*
REV. A. P. MAHONEY,	*Ursuline College*
MR. F. LANDON,	*Graduates of University College*
REV. S. P. IRWIN,	*Graduates of Huron College*
MAJOR A. H. MURPHY,	*Graduates of Ursuline College*
DR. T. J. MCNALLY,	*Graduates in Public Health*
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MR. J. H. CHAPMAN	*Board of Governors*
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MR. H. J. B. LEADLAY,	*City Council of Guelph*
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MR. K. W. MCKAY,	*County Council of Elgin*
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MR. J. PORTER,	*County Council of Norfolk*
MR. A. A. COLQUHOUN,	*County Council of Perth*
DR. D. A. MAXWELL,	*County Council of Essex*
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MR. A. M. OVERHOLT,	*Principals Secondary Schools*
MR. J. F. ROSS,	*Principals Secondary Schools*
DR. ARTHUR VOADEN,	*Principals Secondary Schools*

OFFICERS OF ADMINISTRATION

Chancellor

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

President

No Appointment.

Executive Secretary

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

Executive Committee

DEAN FOX, DEAN MCKIBBEN, DEAN HILL.

Registrar

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

Bursar

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

Librarian

MARJORIE ROSS, B.A.

Curator Barnett Library

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

Director of Library Services

FREDERICK LANDON, M.A.

Director of Summer School and Extramural Work

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

OFFICERS OF INSTRUCTION

SESSION 1923-24

(The year of first appointment to present professorial position is given. A in brackets after a name indicates the staff of Assumption College; M, the Medical School; PH, the Faculty of Public Health; U, the staff of Ursuline College, and W, the staff of University College of Arts.)

President

HENRY WILLIAM AUDEN (W), *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. 1919

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

REV. CHARLES COUGHLIN (A), *Professor of Psychology*
Lecturer in English Literature
B.A., Toronto, 1911. 1919

RAYMOND COMPTON DEARLE (W), *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. 1922

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

WILLIAM SHERWOOD FOX (W), *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 (W), *Professor of Botany*
202 Sydenham St.
B.A., Toronto, 1915; M.A., *ibid*, 1916. 1919

JOHN ABERDEEN GUNTON (W), *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

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

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

HAROLD REYNOLDS KINGSTON (W), *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

KENNETH PERCIVAL RUTHERFORD NEVILLE (W),
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. MICHAEL JOSEPH OLIVER (A), *Professor of Philosophy*
Lecturer in English
B.A., Toronto, 1910; Ph.M., Catholic University of America, 1915. 1923

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

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

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

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

MOTHER M. ST. ANNE (U), *Professor of French*
Brescia Hall
B.A., Queen's, 1909; M.A., Columbia, 1922. 1919

MOTHER M. ST. MICHAEL (U), *Professor of History*
Brescia Hall
B.A., Liverpool, 1907; M.A., Western, 1920. 1919

LEWIS PIAGET SHANKS (W), *Professor of Romance Languages*
694 Talbot St.
Ph.B., Cornell, 1899; M.A., Columbia, 1904; Ph.D., Cornell, 1908. 1919

REV. WILFRID SHARPE (A), *Professor of Latin*
Lecturer in Greek Philosophy
B.A., Toronto, 1914; B.D., Catholic University of America, 1915; M.A., *ibid*, 1915. 1919

GEORGE A. SMITH, *Director of Physical Education*
40 Belgrave Place
M.D., Western, 1913. 1922

WILLIAM FERGUSON TAMBLYN (W),
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., Western, 1920. 1921

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

REV. CHARLES DONOVAN (A),
Associate Professor of Metaphysics and English
B.A., Toronto. 1919

RALPH EVANS FREEMAN (W), *Associate Professor of Economics*
567 Waterloo St.
B.A., McMaster, 1914; M.A., *ibid.*, 1915; B.Litt., Oxford, 1921. 1923

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

ELLIS HENRY MORROW (W),
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B.A., Queen's, 1919; M.B.A., Harvard, 1921. 1922

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

JOHN D. DETWILER (W), *Assistant Professor of Zoology*
693 Queen's Ave.
B.A., Queen's, 1912; M.A., *ibid*, 1913; Ph.D., Cornell, 1921. 1921

EDMOND A. MÉRAS (W),
Assistant Professor of Romance Languages
287 Oxford St.
B.A., College of City of New York, 1917; L. ès L., Toulouse, 1922. 1919

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

JAMES ALBERT SPENCELEY (W), *Assistant Professor of English*
195 St. James St.
B.A., Toronto, 1905; M.A., *ibid*, 1909; M.A., Harvard, 1920. 1921

ELNORA EVELYN KELLY ALBRIGHT (W), *Instructor in English*
799 Hellmuth Ave.
B.A., Toronto, 1912; Barrister-at-Law, Alberta, 1919. 1920

RAY LEROI ALLEN (W), *Instructor in Physics*
548 Waterloo St.
B.A., Mt. Allison, 1917; M.A., *ibid*, 1919. 1921

RONALD ALEXANDER ALLEN, *Instructor in German*
202 Sydenham St.
B.A., Toronto, 1921; M.A., *ibid*, 1922. 1923

SR. M. BONAVENTURE (U), *Instructor in English*
556 Wellington St.
B.A., Queen's, 1917; M.A., Western, 1923. 1923

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

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

WILLIAM EDWIN COLLIN (W), *Instructor in Romance Languages*
287 Oxford St.
L ès L., Toulouse, 1922. 1923

REV. CHARLES COLLINS (A), *Instructor in Spanish*
1923

KENNETH EDWARD COOK (A), *Instructor in French*
B.A., Western, 1923. 1923

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

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

Willena Foster (W), *Instructor in Physics*
41 Hayman Court
B.A., Toronto, 1916; M.A., *ibid*, 1918. 1922

REV. ERNEST W. JEWETT (W), *Lecturer in Philosophy*
446 Quebec St.
B.A., Toronto, 1920. 1922

MARGARET ANNE MCINTOSH (W), *Instructor in Botany*
826 King St.
B.A., Western, 1921. 1921

REV. WILLIAM R. MCINTOSH (W), *Lecturer in Philosophy*
826 King St.
B.A., Toronto, 1891; B.D., Knox, 1895. 1922

LESLIE ROSS MÉRAS (W), *Instructor in Romance Languages*
287 Oxford St.
B.A., Colorado, 1916; M.A., *ibid*, 1918; Ph.D., *ibid*, 1920. 1922

REV. JOHN BERTHOLD MORRISSEY (A), *Instructor in History*
B.A., Toronto, 1922. 1923

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

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

MARJORIE ROSS (W), *Instructor in Library Science*
124 Albert St.
B.A., Toronto, 1916. 1918

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

CAROLINE LEWIS SHANKS, *Lecturer in Romance Languages*
694 Talbot St.
B.A., Cornell, 1903; Ph.D., *ibid*, 1917. 1923

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

JAMES WILLIAM WESTERVELT, JR. (W), *Lecturer in Accountancy*
C.A., Institute of Chartered Accountants. 1920

ARTHUR WOODS (W), *Instructor in Mathematics*
562 Ridout St.
B.A., Queen's, 1911; M.A., *ibid*, 1915. 1920

HELEN IRENE BATTLE (W), *Assistant in Zoology*
132 Mamelon St.
B.A., Western, 1923. 1923

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

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

CLAIR SMITH (W), *Assistant in Physics*
B.A., Western, 1923. 566 Talbot St. 1923

KENNETH THOMSON (W), *Assistant in Physics*
B.A., Western, 1923. 366 Piccadilly St. 1923

STUDENT ASSISTANTS

UNIVERSITY COLLEGE

HELEN BERDAN, *Biology*
JAMES LEON CALLAHAN, *Biology*
MAXWELL A. EPPLETT, *Physics*
THOS. HOWARD JAMES, *Physics*
CLAUDE MCCALLUM, *Biology*
ALINDA NUGENT, *Chemistry*
HAROLD G. REAVELY, *Chemistry*
RHODA SCANLAN, *Chemistry*
HAROLD R. TUFTS, *Physics*
NELDA WRIGHT, *Biology*

OTHER OFFICIALS

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

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

MABEL HYND, *Secretary to the Dean*
234 St. George St. 1918

MARGARET ELSIE PICKLES, *Secretary to the Registrar*
336 Ridout St. South 1922

ELIZABETH ISABEL TANTON, *Assistant to the Registrar*
B.A., Toronto, 1918. 551 Waterloo St. 1923

DONA WALLER, *Assistant in Library*
Huron College

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 two colleges teaching Arts courses, viz., Assumption College at Sandwich, and Ursuline College, London; one theological college, Huron, of London; also the Brantford Conservatory of Music.

By the 1908 amendments to the act incorporating Western University, since May, 1923, called 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 50,000 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 Laws.
2. Degrees by examination: Bachelor of Arts (B.A.); *Bachelor of Divinity (B.D.); Bachelor of Laws (LL.B.); Master of Arts (M.A.); Doctor of Medicine (M.D.); *Doctor of Divinity (D.D.)

The Colleges of Arts of the University of Western Ontario are recognized as "standard colleges" by the University of the State of New York.

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*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.

Colleges of Arts

University College

President
Vacant

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

Director of Summer School and Extramural Work
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.

Officers of Instruction

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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.

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

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

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

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.

LEWIS PIAGET SHANKS, PH.D.,
Professor of Romance Languages.

ALBERT J. SLACK, PH.C., M.D., D.P.H.
Professor of Chemistry.

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

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

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

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

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

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

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

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

EDMOND A. MÉRAS, B.A., L. ès L.,
Assistant Professor of Romance Languages.

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

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

E. EVELYN ALBRIGHT, B.A.,
**Instructor in English.*

RAY LEROI ALLEN, M.A.,
Instructor in Physics.

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

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

WILLIAM EDWIN COLLIN, L. ès L,
Instructor in Romance Languages.

FRANK H. CURRAN, B.A., LL.B.,
Lecturer in Commercial Economics.

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

H. W. HILL, M.D., D.P.H.,
Lecturer in Public Health.

ERNEST W. JEWITT, B.A.,
Lecturer in Philosophy.

WALLACE LAUT,
Lecturer in Commerce (Advertising).

MARGARET MCINTOSH, B.A.,
Instructor in Botany.

WILLIAM R. MCINTOSH, B.A., B.D.,
Lecturer in Philosophy.

LESLIE ROSS MÉRAS, PH.D.,
Instructor in Romance Languages.

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

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

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

GEORGE BLOOMFIELD SAGE, M.A., D.D.,
Lecturer in Psychology and Ethics.

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*Instructor is a title given in the University College of Arts to one who gives full time to the work of instruction in the University of Western Ontario. The lecturer is of the same grade as the instructor but gives only part time to the work of instruction.

CAROLINE LEWIS SHANKS, PH. D.,
Lecturer in Romance Languages.

JEAN I. WALKER,
Lecturer in Public Speaking.

JAMES W. WESTERVELT, JR., C.A.,
Lecturer in Accounting.

ARTHUR S. WOODS, M.A.,
Instructor in Mathematics.

HELEN I. BATTLE, B.A.,
Assistant in Zoology.

EDYTHE WYNNE PRYCE,
Assistant in Physical Training.

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

CLAIR SMITH, B.A.,
Assistant in Physics.

KENNETH THOMSON, B. A.,
Assistant in Physics.

Assumption College

Superior

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

Registrar

REV. W. C. SHARPE, M.A., B.D.

Bursar

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

Officers of Instruction

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

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

REV. M. J. OLIVER, B.A., PH.M.,
Professor of Philosophy.
Lecturer in English.

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

REV. W. C. SHARPE, M.A., B.D.,
Professor of Classics.
Lecturer in Greek Philosophy.

REV. E. J. TIGHE, B.A.,
Professor of Metaphysics.
Lecturer in Physics.

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

REV. CHARLES COLLINS,
Instructor in Spanish.

REV. J. B. MORRISSEY, B.A.,
Instructor in Ancient History.

KENNETH E. COOK, B.A.,
Instructor in French.

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.,
Professor of Philosophy.

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.

SR. 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.

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.

Percentage: Pass Junior

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.

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

Percentages: Honour

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.

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.

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 13th.

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. 21).

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 east Third Class Honours (60 per cent.) in each subject.

Honour Courses: By First Year General Course.

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 Courses in Political Science or Philosophy and may complete the course in three years.

Honour Courses: By First and Second Years General Course

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 Upper School certificates that will secure twelve credits toward graduation. 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 and Political Science require four years from complete Pass Junior Matriculation.

ADVANCED STANDING

From Collegiates

Candidates presenting Upper School certificates in one or more subjects, or the recognized equivalents of such certificates, may be credited with the first year in the General Course in the subjects corresponding to the certificates except in the case of the Laboratory Sciences.

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.

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 Honour Matriculation or Upper School standing in at least four subjects.

EXAMINATIONS

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. *General Course*

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.

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

Students in the General Course in Arts shall be ranked in order of merit in each subject 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 below). 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.

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

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. but less than 60 per cent. will be placed in Class IV.

SUPPLEMENTALS

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.

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 f ailure.

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.

FAILURES

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.

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.

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 pass courses (see Pages 23, 24).

No extramural student is eligible for a degree, unless he has attended classes in this University for at least one academic year or four summer sessions.

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. extramural 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 four summer terms or their equivalent in the B.A. General Course or Honour Courses. Courses in the Sciences and in the elements of any foreign language 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 from Monday to

Friday inclusive. The curriculum of each subject offered in the summer session varies, according to the nature of the subject, from one-third to two-thirds 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 requirement 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 extramural 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. 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 two-thirds of the requirements for the whole year in that course.

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 Science must attend two summer sessions.

7. A student who attends four summer sessions and obtains twelve credits for work taken therein will be considered to have satisfied the residence requirement exacted of extramural students of 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 to those who are registered in one of the Honour Courses leading to Specialists' Certificates of the Department of Education of Ontario.

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.

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 Colleges of Arts, may be admitted as candidates for the Degree of Master of Arts.

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 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 the University College of Arts for at least one academic year, though the work may be spread over two academic years at the option of the candidate.

Standard 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 College 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 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 the University College of Arts, as follows:

Botany.
Chemistry.
Commercial Economics.
English.
French.
Geology.
German.
Greek.
History.
Latin.
Physics.
Political Economy.
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.
Commercial Economics.
English and French.
English and German or Spanish.
French and German or Spanish.
Geology.
Mathematics and Physics.
Romance Languages.
General Science.

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.

Alumnae Scholarship—Fifty dollars to the woman student of the Third Year in University College who secures the highest standing.

Blake Scholarship, No. 1—Seventy-five dollars: Honour Political Economy Course, Third Year.

Blake Scholarship, No. 2—Seventy-five dollars: Honour Political Economy Course, 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.

Nicholas Wilson Chapter, I. O. D. E. Scholarship—Twenty-five dollars; Second Year Honour Commerce Course.

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

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

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.
Biology 10.
Chemistry 10.

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

URSULINE COLLEGE

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

II. Graduate

I. O. D. E. Post-Graduate Overseas Scholarship.

This scholarship was founded by the Imperial Order Daughters of the Empire, as part of the War Memorial of the Order. It is of the value of $1,400.00, tenable for one year in any British University, the subjects of study being specified as British and Imperial History, the Economics and Government of the Empire and Dominion, or any subject vital to the interests of the Empire. The scholarship is open to men or women, British subjects, unmarried, graduates of a Canadian university or in the last year of course leading to a degree.

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 Convenor 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 its 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 twenty-five 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 1926. Application must be made by October, 1925.

University College Pass Junior Matriculation Scholarships.

Two scholarships of the value 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.

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 fifty dollars per year for four years in University College of Arts; total value of scholarship, $300.00.

II. 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 fifty dollars per year for two years in the University College of Arts; total value of each scholarship, $150.00.

III. 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 fifty dollars in the University College of Arts. Total value of scholarship, $75.00.

The scholarships in I, II and III above will be awarded on the examinations of 1924. 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.

IV. Scholarships of free tuition up to $50.00 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 and 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.

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 20th, and must state the centre at which they will write the Matriculation examination.

Address all communications to

THE REGISTRAR,
"Brescia Hall," 556 Wellington Street,
London, Ontario.

FEES

Tuition fees in full will be paid on Registration Day. If paid in two instalments, half will be payable Registration Day; half, plus $2.00, on or before first day of second term. All other fees, except examination fees, are payable Registration Day. Students must register and pay the fee for examination before presenting themselves for any papers.

The following fees are payable to the Executive Secretary:

First Registration (for all students on entering)	$ 5 00
Tuition, full course, including examination, one payment	50 00
Tuition, full course, including examination, two payments	52 00
Tuition, Commercial Economics, each year, one payment	60 00
Tuition, Commercial Economics, each year, two payments	62 00
Tuition, Premedical, each year, one payment	60 00
Tuition, Premedical, each year, two payments	62 00
Tuition, each major (1), including examination	12 00
Tuition, each minor, including examination	6 00
Supplemental Examinations (2), each paper, September or May	2 00
University Examination at dates other than January, May and September	10 00
Examination at a local centre	10 00
Extramural Registration, annual	10 00
Extramural Examinations, annual	5 00
Extramural Correspondence Fee, annual	2 00
Change of Faculty	5 00
Change of Registration, after two weeks from Registration Day	1 00
Admission *ad eundem statum*	5 00
Certificate of Standing	2 00
Physical Training, each year	5 00
Students' Council Fee, each year	5 00
Caution Money (3), each year	5 00
Microscope Rental, each instrument, each year	5 00
Laboratory Fee, each science, each year	3 00
Caution Fee, Physics, each major laboratory	5 00
Caution Fee, Chemistry, each major laboratory	5 00
Caution Fee, Geology, each major laboratory	5 00
Caution Fee, Botany, each major laboratory	2 00
Caution Fee, Zoology, each major laboratory	2 00
Degree of B.A	10 00
Degree of M.A	20 00
Degree of LL.B	20 00
Degree of B.D	24 00

NOTE—(1) A major subject is a subject for which at least two credits are given; a minor, one credit. English Composition (English 12, 22) by exception is a major subject.

(2) A supplemental examination is an examination set on work in which a student has been conditioned. No special supplemental examination will be give within three months of failure.

(3) Caution money, minus deduction for breakage, etc., will be returned at end of year.

ACADEMIC STANDING FOR 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. SPECIALISTS' CERTIFICATES

Subject to the conditions specified below, the academic standing for admission to the courses leading to High School Specialists' 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.

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. Under the direction of the University, they may substitute for the first of those years, at least, two summer sessions.

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.

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 this course 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, Zoology 10	6	4
Chemistry 11	6	4
Physics 10	5	3
Italian 100	3	3
Spanish 100	3	3

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 20, 24	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, Zoology 20 or 22	6	4
Chemistry 22	6	4
Physics 20	5	3
Geology 20	4	3
Political Economy 20	2	2
Philosophy 20	1	1
Philosophy 21	1	1
Italian 200	3	3
Spanish 200, 201	3	3
†Religious Knowledge 20	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, 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 or 40	3	3
Hebrew 30	3	3
Latin 30 or 31 or 40	3	3
Political Economy 30	2	2
Physical Training 30-40 or 31-41	2	1
Botany 30, Zoology 30, or 31, or 32, or 33, or 34	6	4
Chemistry 33	5	3
Physics 30	3	1
History 301	2	2
Spanish 300, 301	3	3
Geology 30	5	3

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

†Offered by Assumption and Ursuline Colleges only.

Subject	*Hours Per Week*	*Credits*
English 31 or 33	2	2
†Religious Knowledge 30	2	2
†Religious Knowledge 31	1	1
*History 20	3	3
*Mathematics 20, 24	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, Zoology 20 or 22	6	4
*Chemistry 22	6	4
*Physics 20	5	3
*Geology 20	5	3
*Political Economy 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, 42	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 or 30	3	3
Latin 40 or 30 or 31	3	3
Hebrew 40	3	3
Spanish 400, 401	3	3
History 44	2	2
Physical Training 30-40 or 31-41	2	1
Political Economy 40	2	2
Geology 40	3	2
Chemistry 404	5	3
Botany 40, Zoology 30, or 31, or 32, or 33, or 34	6	4
Philosophy 40	2	2
†Religious Knowledge 40	2	2
†Religious Knowledge 41	1	1
‡Philosophy 45 (Metaphysics)	1	1
*French 30	3	3
*German 30	3	3
*Hebrew 30	3	3
*Political Economy 30	2	2
*Botany 30, Zoology 30, or 31, or 32, or 33, or 34	6	4

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

†Offered by Assumption and Ursuline Colleges only.

‡Available only at Ursuline College.

Subject	*Hours Per Week*	*Credits*
*Chemistry 33	5	3
*Physics 30	3	1
*Spanish 300, 301	3	3
*Geology 30	5	3
*English 31 or 33	2	2
*History 301	2	2

B.A. GENERAL COURSE II

Library and Secretarial Science

Requirements for Admission—Complete Pass Junior Matriculation.

Candidates for a degree in this course shall at the beginning of this work undertake to learn typewriting with as little delay as possible and shall also be required to learn shorthand and to acquire a definite standard of efficiency therein by the end of the second year.

This course is designed especially to meet the needs of women students.

First Year

English 10, 11, 12	4	4
Latin 10	3	3
Mathematics 10, 12	3	3
Public Health and Bacteriology 10	1	1
Library Science 10a	1	½
Physical Training	2	1
One of:		
French 10		
German 10		
Spanish 100	3	3
†Library Practice	2	1

Second Year

English 20, 21, 22	4	4
Mathematics 17	1	1
Economics 20	2	2
One of:		
Physics 10		
Chemistry 11		
Botany 10, Zoology 10		
Geology 20	6	4
One of:		
French 20		
German 20		
Spanish 200, 201	3	3
Physical Training 20 or 21	2	1
†Library and Secretarial Science (Lectures and Practical)	4	2

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

†This work may be done in the University Library or any other library that has been approved in advance of the student's beginning the work.

Third Year

Subject	*Hours Per Week*	*Credits*
English 30	3	3
English 32a	2	1
History 301	2	2
Philosophy 30	2	2
Any one of:		
French 30		
German 30		
Spanish 300, 301	3	3
Economics or Commerce (to be chosen only in consultation with head of Department concerned)	3	3
Library and Secretarial Courses (Lectures and Practical work)	4	2

Fourth Year

English 40, 41, 42	3	3
History 42, 43	3	3
Any one of:		
French 40		
German 40		
Spanish 400, 401	3	3
Library and Secretarial Courses	..	6

B.A. GENERAL COURSE III

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

Subject	*Hours Per Week*	*Credits*
English 20	2	2
English 21, 22	2	2
Philosophy 21	1	1
Physical Training 20 or 21	2	1
Political Economy 20	2	2
History 20	3	3
Greek 25	3	3
Hebrew 10	3	3

Third Year

English 30	3	3
Political Economy 300, 302b	4	3
History 30, 301	5	5
Philosophy 20	1	1
Apologetics 30, or 31 and 32	2	2
Greek 35	3	3

Fourth Year

English 40, 41	2	2
Ecclesiastical History, 30	2	2
History 40	3	3
Church History 40 or 42	2	2
Political Economy 400, 401a, 403a	4	4
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 10, 12	3	3
Latin 10	3	3
Physical Training 10	2	1

Second Year

Subject	*Hours Per Week*	*Credits*
English 20, 21, 22	4	4
Philosophy 21	1	1
Modern Language of First Year Continued	3	3
History 301	2	2
History 42, 43	3	3
Philosophy 30, 31 or English 30	3	3

(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; one of Physics, Biology, Chemistry.

This course satisfies the academic requirements for the Science Specialist's Certificate of the Department of Education of Ontario. For conditions, see page 41.

N.B.—Students in Honour Biology must satisfy the Heads of the Departments of Botany and Zoology that they can read Scientific French and German with sufficient ease to use these languages in research work. They will be credited with these subjects in the third and fourth years on the certificate of the Heads of the Departments mentioned and of the Departments of Romance Languages and German.

First Year

Library Science 10a	1	½
Physical Training 10 or 11	2	1
English 11	1	1
French 1 or German 1 (the one not taken at Matriculation)	3	3
Mathematics 24, 20a	2	2
Botany 100 (one term)	6	2
Chemistry 101	5	3
Geology 200	4	3
Physics 100	5	3
Zoology 100 (one term)	6	2

Second Year

Subject	*Hours Per Week*	*Credits*
Physical Training 20 or 21	2	1
English 20	2	2
English 22	1	1
German 10 or French 10 (language taken in first year)	3	3
Botany 200 (one term)	8	2½
Chemistry 303	5	3
Physics 201	9	5
Zoology 200 (one term)	8	2½

Third Year

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	1½
Chemistry 306b (one term)	6	2
Zoology 300	8	5
Zoology 305 (Collection)	..	..

Fourth Year

Botany 401 (one term)	8	2½
Botany 402 (one term)	6	2
Botany 403 (one term)	6	2
Botany 405 (Collection)	..	..
Zoology 400	2	2
Zoology 401 (one term)	8	2½
Zoology 402 (one term)	8	2½
Zoology 403 (one term)	8	2½
Zoology 404 (one term)	8	2½
Zoology 405 (Collection)	..	..
French 45	1	1
German 45	1	1

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; one of Chemistry, Physics or Biology.

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 Specialists' Certificate. It will also be accepted by the Department of Chemistry for Honours in Chemistry.

First Year

English 11	1	1
French 1 or German 1	3	3
Library Science 10a	1	½
Mathematics 20a	2	1
Mathematics 24b	2	1

Subject	*Hours Per Week*	*Credits*
Geology 100	4	3
Chemistry 101	7	4
Chemistry 111	4	2
Physics 100b	5	1½
Physical Training 10 or 11	2	1
Second Year		
English 20	2	2
English 22	1	1
French 10 or German 10	3	3
Physics 100a	5	1½
Physics 201b (Electricity and Magnetism)	9	2½
Chemistry 202	6	3
Chemistry 222	4	2
Chemistry 303	6	4
Physical Training 20 or 21	2	1
Third Year		
French 35	1	1
German 35	1	1
History 301	2	2
Geology 300	6	3
Physics 201a (Sound and Light)	8	2½
Chemistry 333	5	3
Chemistry 334	8	5
Fourth Year		
French 45	1	1
German 45	1	1
Political Economy 20	2	2
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's Certificate of the Department of Education of Ontario. For conditions, see page 41.

First Year		
Library Science 10a	1	½
English 11	1	1
Botany 10, Zoology 10	6	4
French 10 or German 10 or Hebrew 10	3	3
Physical Training 10 or 11	2	1
Latin 100	4	4
Greek 100	4	4

Second Year

Subject	*Hours Per Week*	*Credits*
English 20, 21, 22	4	4
French 20 or German 20 or Hebrew 20	3	3
Physical Training 20 or 21	2	1
Latin 200 (including Roman History)	4	4
Greek 200 (including Greek History)	4	4

Third Year

English 30	3	3
Philosophy 30	2	2
Latin 300 (including Roman History)	5	5
Greek 300 (including Greek History)	5	5

Fourth Year

History 42, 43	3	3
Latin 400 (including Roman History)	6	6
Greek 400 (including Greek History)	6	6

Department of Commerce

Requirements for Admission—Complete Pass Junior Matriculation and Honour Matriculation in English, Mathematics, Latin and one modern foreign Language.

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

Owing to the fact that the Department of Commerce has but recently been organized, changes in the courses here presented will be inevitable, as experience is gained and as the staff expands. Students are therefore warned that their courses may be altered before they reach graduation. In no instance, however, will a student entering on the basis of this announcement (1924-25) be required to alter his course to his disadvantage. Adjustments when made will consider the students affected.

First Year

English 20, 21, 22	4	4
Economics 200	2	2
Economics 202b	2	1
Commerce 107	1	1
Commerce 109b	2	1
One of:		
French 20		
German 20		
Spanish 200, 201	3	3
One of:		
Physics 10		
Chemistry 10		
Botany 10, Zoology 10		
Geology 20	6	4
Physical Training 20 or 21	2	1

Second Year

Subject	*Hours Per Week*	*Credits*
English 32a (Business English)	2	1
Economics 300	2	2
Economics 301a	2	1
Economics 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, 24, 27b		
History 30		
Philosophy 30, 31		
English 30		
French 30		
German 30		
Spanish 300, 301	3	3

Third Year

History 404	2	2
Economics 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	1	1
Commerce 411a	1	½
Commerce 421b	1	½
Commerce 431	1	1
Commerce 491	..	3
Any *three* credit options from General Course in Arts for which candidate has prerequisites	3	3

Apply to Registrar for Special Commerce Announcement.

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's 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 41.

First Year

Library Science 10a	1	½
Physical Training 10 or 11	2	1
Botany 10, Zoology 10, or Physics 10 or Chemistry 11	6	4

Subject	*Hours Per Week*	*Credits*
History 105	2	2
English 100, 20, 12	5	5
Any *two* of:		
Latin 100	4	4
Greek 100	4	4
French 100	3	3
German 100 or Spanish 100	3	3
Hebrew 100	4	4
Second Year		
Physical Training 20 or 21	2	1
Political Economy 20	2	2
Philosophy 21	1	1
History 200	3	3
English 200, 201, 202	5	5
Any *two* of:		
Latin 200	4	4
Greek 200	4	4
French 200	3	3
German 200 or Spanish 200, 201	3	3
Hebrew 200	4	4
Third Year		
History 300	3	3
History 301	2	2
English 300 and 301	6	6
Any *one* of:		
Latin 301	3	3
Greek 301	3	3
French 300	3	3
German 300 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 403	1	1

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 a Specialist's Certificate in English and French. For conditions, see page 41.

First Year		
Library Science 10a	1	½
Latin 10	3	3
Botany 10 and Zoology 10, or Physics 10 or Chemistry 11	6	4

Subject	*Hours Per Week*	*Credits*
Physical Training 10 or 11	2	1
French 100	3	3
English 100, 20, 12	5	5
German 100 or Spanish 100	3	3
Second Year		
Latin 20	3	3
Physical Training 20, 21	2	1
French 200, 201	4	4
German 200 or Spanish 200, 201	3	3
English 200, 201, 202	5	5
Third Year		
History 30, 301	5	5
French 300, 301, 302	5	5
English 300, 301	6	6
Fourth Year		
History 40	3	3
French 400, 401, 402	6	6
English 400, 401, 402, 403	7	7

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's Certificate in English and German or Spanish. For conditions see page 41.

First Year		
Library Science 10a	1	½
Latin 10	3	3
Botany 10 and 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, 20, 12	5	5
French 100	3	3
Second Year		
Latin 20	3	3
Physical Training 20, or 21	2	1
French 200	3	3
German 200, 201 or Spanish 200, 201, 202	4	4
English 200, 201, 202	5	5

Third Year

Subject	*Hours Per Week*	*Credits*
History 30, 301	5	5
German 300, 301 or Spanish 300, 301, 302	5	5
English 300, 301	6	6

Fourth Year

History 40	3	3
German 400, 401, 402 or Spanish 400, 401, 402, 403	6	6
English 400, 401, 402, 403	7	7

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, Zoology 10 or Physics 10 or Chemistry 11	6	4
French 10 or German 10	3	3
Greek 1	3	3
English 100, 20, 12	5	5
Latin 100	4	4

Second Year

Physical Training 20 or 21	2	1
French 20 or German 20	3	3
Greek 10	3	3
English 200, 201, 202	5	5
Latin 200	4	4

Third Year

Greek 20	3	3
Philosophy 30	2	2
English 300, 301	6	6
Latin 300	5	5

Fourth Year

History 42, 43	3	3
English 400, 401, 402, 403	7	7
Latin 400	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's Certificate of the Department of Education of Ontario. For conditions, see page 41.

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, Zoology 10, or Physics 10 or Chemistry 11	6	4
English 20, 22	3	3
French 100	3	3
German 100 or Spanish 100	3	3

Second Year

English 30	3	3
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	3	3
History 30	3	3
French 300, 301, 302	5	5
German 300, 301, 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, Zoology 10, or Physics 10 or Chemistry 11	6	4
English 20, 22	3	3
Latin 100	4	4
French 100	3	3

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	3	3
French 200, 201	4	4
Latin 200	5	5

Third Year

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

Fourth Year

History 40	3	3
French 400, 401, 402	6	6
Latin 400	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; one Science (Physics, Biology or Chemistry).

This course satisfies the academic requirements for the Science Specialist's Certificate of the Department of Education of Ontario. For conditions, see page 41.

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
Chemistry 101	5	3
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 (Light and Sound)	5	2
Botany 200, Zoology 200	8	5
Geology 200	4	3

Third Year

Subject	*Hours Per Week*	*Credits*
Mathematics 25a, 25b	2	2
Physics 201 (Electricity and Magnetism)	5	3
Geology 300	5	3
Geology 301, 302, 303	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	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's Certificate of the Department of Education of Ontario. For conditions, see page 41.

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 100	1½	1½
Mathematics 101	2	1
Mathematics 102	1½	1½
Mathematics 103	1	1
Mathematics 104	1	1

Second Year

Physical Training 20 or 21	2	1
English 20	2	2
English 22	1	1
French 10 or German 10 (the language taken in first year)	3	3
Physics 200	2	2
Physics 201	9	5
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.

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 301	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.

Group I.

French 35, German 35, if not taken before	2	2
History 42, 43	3	3
Physics 400 or 402	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 403a	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 24.

Second Year

Subject	*Hours Per Week*	*Credits*
English 20	2	2
English 22	1	1
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 20, 24, 23b or 27b	3	3
French 20	3	3
German 20	3	3
Greek 20	3	3
I Science 20	6	4

Third Year

English 30	3	3
Philosophy 300, 330	3	3
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	5	3

Fourth Year

English 40, 41, 42	3	3
Philosophy 400, 410	3	3
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	5	3

Department of Physics

See Department of Mathematics and Physics, page 58.

Department of Political Economy

Entrance Requirements—Complete Pass Junior Matriculation.

A student who presents on 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	2	2
English 11	1	1
English 12	1	1
Latin 10	3	3
Mathematics 10a	3	1½
Mathematics 12b	3	1½
Public Health 10	1	1
Library Science 10a	1	½
Physical Training 10 or 11	2	1
History 105	2	2
French 10 or German 10	3	3

Second Year

English 20	2	2
English 21, 22	2	2
Philosophy 21	1	1
Physical Training 20 or 21	2	1
Political Economy 200, 201, 202	4	4
History 200	3	3
French 20 or German 20	3	3

Third Year

French 30 or German 30	3	3
Philosophy 30*	2	2
English 30	3	3
Political Economy 300, 301, 302, 303	6	5
History 300	3	3
Commerce 109b*	2	1

Fourth Year

French 40* or German 40*	3	3
History 402, 403	3	3
Political Economy 400, 401, 402, 403*, 404	6	6
History 404	2	2
Commerce 207*	4	2

*NOTE—Students intending to enter the legal profession may substitute for the courses marked with an Asterisk (*) the third and fourth year course in Government and Law as follows:
Third Year: For Philosophy 30 and Commerce 109b; Government and Law 305, 306, 307.
Fourth Year: For French 40 or German 40 and Political Economy 403, and Commerce 207, Government and Law 405, 406, 407, 408.

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 41, this course satisfies the academic requirements for the French and Spanish Specialist's 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, Zoology 10, or Physics 10 or Chemistry 11	6	4
French 100	3	3
Spanish 100	3	3

Second Year

Physical Training 20 or 21	2	1
English 30	3	3
Latin 20	3	3
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; one of Physics, Biology, Chemistry.

This course satisfies the academic requirements for the Science Specialist's Certificate of the Department of Education of Ontario. For conditions, see page 41.

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 at Matriculation)	3	3
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, 22	3	3
French 10 or German 10 (language chosen in first year)	3	3
Physical Training 20 or 21	2	1
Mathematics 20a, 24b	4	2
Botany 200, Zoology 200	8	5
Chemistry 202	6	3
Physics 201 (Light and Sound)	5	2

Third Year

History 105	2	2
Geology 200	4	3
Zoology 300	8	5
Chemistry 303	5	3
Physics 201 (Electricity and Magnetism)	5	3
Botany 300	8	2½

Fourth Year

History 42, 43	3	3
Geology 300	6	3
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 one of Physics, Biology, Chemistry.

First Year

English 11	1	1
Library Science 10a	1	½
German 1 or French 1 (language not previously taken)	3	3
Mathematics 20a, 24b	4	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	2	2
English 21, 22	2	2
German 10 or French 10 (one not taken for Honour Matriculation)	3	3
Physical Training 20 or 21	2	1
Physics 201 (Sound and Light)	5	2
Botany 200, Zoology 200	8	5
Chemistry 202	6	3

Third Year

Subject	*Hours Per Week*	*Credits*
English 30	3	3
History 42, 43	3	3
Zoology 300, 400	10	7
Chemistry 303	5	3
Physics 201 (Electrical and Magnetism)	5	3

Fourth Year

First year of the Four Year Medical Course.

PREMEDICAL COURSE

Requirements for Admission—Complete Pass Junior Matriculation.

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

First Year

Library Science 10a	1	½
English 10, 11, 12	4	4
Mathematics 14	2	2
French 10 or German 10	3	3
Physical Training 10 or 11	2	1
Physics 10	5	3
Chemistry 11	7	4
Botany 11a	6	2
Zoology 20b	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,	Professor
MARGARET A. MCINTOSH,	Instructor
J. L. CALLAGHAN,	Student Assistant
HELEN B. BERDAN,	Student Assistant
CLAUDE M. MCCALLUM,	Student Assistant
EARL ZILLER,	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 course taken.

10. **Introductory Botany** for General Course students; a course dealing with the general principles of Botany.
2 lectures and 4 laboratory hours per week: 2 credits.
Prerequisite: Complete College Entrance Requirements.

Text-book: Bergen and Caldwell, *Introduction to Botany.*
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.*

11a. **Elementary Botany** for Medical students; a course dealing with the general principles of Botany.
2 lectures and 4 laboratory hours per week; 2 credits.
Prerequisite: Complete College Entrance Requirements.

Text-book and References: See Botany 10.

20. **Cryptogamic Botany** for General Course students; a course dealing with the Algae, Mosses and Ferns.
2 lectures and 4 laboratory hours per week: 2 credits.
Prerequisite: Botany 10, Zoology 10.

Text-book: Coulter, Barnes and Cowles, *Text-book of Botany, Vol. I.*
References: Strasburger, *Text-book of Botany.*
Grout, *Mosses.*
Marshall, *Mosses and Lichens.*
Campbell, *Mosses and Ferns.*

30. **Phanerogamic Botany** for General Course students; a course dealing with the morphology and classification of selected groups of the Seed Plants.

2 lectures and 4 laboratory hours per week: 2 credits.
Prerequisite: Botany 20, Zoology 20 or an equivalent.

Text-book: Coulter, Barnes and Cowles, *Text-book of Botany, Vol. I.*
References: Coulter, *Morphology of Gymnosperms.*
Morphology of Angiosperms.
Strasburger, *Text-book of Botany.*
Gray, *New Manual of Botany.*
Britton and Brown, *Illustrated Flora.*
Jeffery, *Anatomy of Woody Plants.*

40. **Ecology and Economic Botany** for General Course students; a course dealing with the classification, ecology and economic importance of Canadian plants. Special emphasis is placed on the economic Fungi.
2 lectures and 4 laboratory hours per week· 2 credits.
Prerequisite: Botany 30, Zoology 30 or an equivalent.

Text-books: Coulter, Barnes and Cowles, *Text-book of Botany, Vol. I.*
Text-book of Botany, Vol. II.
References: Duggar, *Fungous Diseases of Plants.*
Conn, *Bacteria, Yeasts and Molds in the Home.*
Schimper, *Plant Geography.*
Harshberger, *A Text-book of Mycology and Plant Pathology.*

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

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

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.*

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, *Fresh water 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.*
Sargent, *Plants and Their Uses.*
Kraemer, *Applied and Economic Botany.*
Brown, *Forest Products, Their Manufacture and Use.*
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.

402. **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.*
Dugger, *Fungous Diseases of Plants.*
References: Marshall, *The Mushroom Book.*
Atkinson, *Mushrooms and Toadstools.*
Harshberger, *Mycology and Plant Pathology.*
Smith, *Bacterial Diseases of Plants.*
Conn, *Bacteria, Yeasts and Molds.*
Bulletins of Departments of Agriculture.
McIlvaine and Macadam, *One Thousand American Fungi.*
Lister, *Mycetozoa.*
Jordan, *General Bacteriology.*

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

2 lectures and 4 laboratory hours per week: 2 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.*
Hanauseck, *Microscopy of Technical Products.*
Winton, *Microscopy of Vegetable Foods.*
Geobel, *Organography of Plants.*
Haberlandt, *Physiological Plant Anatomy.*
Reports of Special Investigations.

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 with 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.

DEPARTMENT OF CHEMISTRY

J. A. GUNTON, M.A., PH.D., F.C.I.C.	Professor
JOHN RUSSELL, M.Sc., F.C.I.C.	Assistant Professor
J. W. BURNS, M.Sc., F.C.I.C.	Instructor
MISS G. ROWNTREE, B.A.,	Assistant
MISS A. NUGENT,	Student Assistant
MISS R. O. SCANLAN,	Student Assistant
G. H. REAVELEY,	Student Assistant

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 course taken.

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.

PROFESSORS GUNTON, RUSSELL, MR. BURNS AND ASSISTANTS.

Text: Deming, *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.

PROFESSOR GUNTON, MR. BURNS AND ASSISTANTS.

Texts: A. A. Noyes, *Qualitative Chemical Analysis.*
G. McP. Smith, *Quantitative Analysis.*

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.

MR. BURNS AND ASSISTANTS.

Texts: Fisher, *Laboratory Manual of Organic Chemistry.*
Perkin & Kipping, *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.

PROFESSORS GUNTON, RUSSELL, MR. BURNS AND ASSISTANTS

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

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

PROFESSOR GUNTON

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

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

PROFESSOR GUNTON AND MR. BURNS

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

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

PROFESSOR GUNTON AND MR. BURNS.

Text: Treadwell and Hall, *Quantitative Analysis.*

303. **Organic Chemistry:** a course of lectures and laboratory exercises dealing with the more common carbon compounds. Prescribed for third year Honour Science, Honour Biology, Honour Geology, B.A., M.D., and second year Honour Chemistry.

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

Prerequisite: Chemistry 101.

MR. BURNS AND ASSISTANTS.

Text: Norris, *Organic Chemistry.*

306b. **Physiological Chemistry:** the chemistry of carbo hydrates, fats, proteins; salivary, gastric and intestinal digestion; bile; muscular and nervous tissue; blood, milk, urine, metabolism.

2 lectures, 4 laboratory hours per week; second term: 2 credits.

Prerequisites: Botany 200, Zoology 200, Chemistry 101, 202. Given at the Medical School.

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

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

MR. BURNS.

Text: Holleman-Walker, *Organic Chemistry.*

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.

PROFESSOR RUSSELL

Texts: Getman, *Outlines of Theoretical Chemistry.*
Findlay, *Practical Physical Chemistry.*

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.

PROFESSOR RUSSELL.

Texts: Walker, *Introduction to Physical Chemistry.*
Findlay, *Practical 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.

PROFESSOR RUSSELL.

Texts: 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 devote 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.

PROFESSORS GUNTON AND RUSSELL, MR. BURNS.

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.

PROFESSOR GUNTON.

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 of Arts

DEAN W. S. FOX, Professor
K. P. R. NEVILLE, Professor
H. W. AUDEN, Professor

Assumption College

SUPERIOR D. L. DILLON, Professor
REV. WILFRED SHARPE, Professor

Huron College

PRINCIPAL C. C. WALLER, Professor
REV. F. ANDERSON, 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, 2, 4, 5, 9, 10, 14, 22, 24, 31, 38; *II*, 3, 10, 14, 15, 16, 17, 18, 20; *III*, 1, 2, 8, 9, 13, 18, 21, 23, 29, 30; *IV*, 3, 5, 7, 12, 15; composition; sight translation.

3 hours per week: 3 credits.

Prerequisite: Middle School Latin.

DEAN FOX, PROFESSORS SHARPE AND NEVILLE.

Texts: Moberly, *Caesar, Civil War* (Oxford).
Butler, *Catilinarian Conspiracy* (Oxford).
Page, *Horace, Odes* (Macmillan Elementary Classics).
Bennett, *New Latin Composition* (Allyn and Bacon).

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.

PROFESSORS SHARPE AND AUDEN.

Texts: Sidgwick, *Virgil, Aeneid VI* (Macmillan).
C. Georgin, *Tite-Live, Histoire, Troisième Décade* (Hatier).
Freeman, *A Selection of Latin Poetry* (Oxford).
North and Hillard, *Latin Composition* (Copp, Clark).

30. Literature of the Early Empire: Ovid, Horace, Seneca, Tacitus, Pliny the Younger, Juvenal, Martial, Petronius; lectures on the literature and the history of the Empire; composition; sight translation. (To be given in 1926-27).

3 hours per week: 3 credits.

Prerequisite: Latin 20.

PROFESSORS SHARPE AND AUDEN.

Texts: A. C. B. Brown, *Selections from the Latin Literature of the Early Empire* (Oxford).
North and Hillard, *Latin Composition* (Copp, Clark).

31. Cicero, *De Amicitia;* Catullus; Plautus, *Rudens;* Terence, *Andria;* lectures on the literature and the history of the Republic; composition; sight translation. (To be given 1924-25).

3 hours per week: 3 credits.

Prerequisite: Latin 20.

PROFESSORS SHARPE AND AUDEN.

Texts: 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).
North and Hillard, *Latin Composition* (Copp, Clark).

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. (To be given in 1925-26).

3 hours per week: 3 credits.

Prerequisite: Latin 20.

PROFESSORS SHARPE AND AUDEN.

Texts: J. W. Scudder, *Sallusti Catilina* (Allyn and Bacon).
W. F. Allen, *Tacitus, Annals I-VI* (Ginn).
Page, *Virgil, Bucolics and Georgics* (Macmillan).
North and Hillard, *Latin Composition* (Copp, Clark).

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 31 or 40.

1 hour per week, 1 term: ½ credit.

PRINCIPAL WALLER OR PROFESSOR ANDERSON.

Honour Courses

100. 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 (66 per cent.) or Upper School Latin.

PROFESSOR AUDEN.

Texts: C. Georgin, *Tite-Live, Histoire, Troisième Décade* (Hatier).
W. C. Summers, *C. Sallusti Crispi, Iugurtha* (Cambridge).
Freeman, *A Selection of Latin Poetry* (Oxford).
North and Hillard, *Latin Composition* (Copp, Clark).
Gow, *A Companion to School Classics* (Macmillan).

200. Elegiac Poets; Horace, *Epistles;* Catullus; Cicero, *De Amicitia* or *De Senectute;* Pliny, *Letters;* sight translation; composition; Roman literature; history in detail to 272 B.C. (one hour per week, first term).

4 hours per week: 4 credits.

Prerequisite: Latin 100.

PROFESSOR AUDEN.

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

300. Horace, *Satires;* Juvenal, *Satires;* Persius, *Satires;* Plautus, six comedies; Terence, complete; sight translation; composition; philology; epigraphy; private life of the Romans; Roman literature; history in detail from 272 B.C. to 14 A.D. (one hour per week, first term).

5 hours per week: 5 credits.

Prerequisite: Latin 200.

PROFESSOR AUDEN.

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

301. Caesar, *De Bello Civili,* and selections from *De Bello Gallico;* Cornelius Nepos; Sallust, *Bellum Catilinae;* Cicero, *In Catilinam;* Tacitus, *Annals I, II;* Suetonius, *Augustus;* history of the literature of the Empire; detailed

history of the last years of the Republic, and of the Empire down to 220 A.D. An option in the Department of English and History.

3 hours per week: 3 credits.

Prerequisite: Latin 200.

PROFESSOR NEVILLE.

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

400. Sallust, *Bellum Catilinae;* Tacitus, *Annals I-VI;* Suetonius, *Augustus, Tiberius;* Cicero, *De Officiis, Tusculans I;* Virgil, selections from the *Bucolics, Georgics* and *Aeneid VII-XII;* Lucretius *III, V;* sight translation; composition; Roman public life; Roman literature; history in detail from 14 A.D. to 476 A.D. (one hour per week, first term).

6 hours per week: 6 credits.

Prerequisite: Latin 300.

PROFESSOR AUDEN.

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

GREEK

1. **Elementary Greek:** a preparatory course leading up to the standard of Matriculation (omitting Homer). A course 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. The 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.

SUPERIOR DILLON AND PRINCIPAL WALLER.

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,* 1-350; *III,* 121-244; *VI,* 66-118, 257-529; *Odyssey VI*; Herodotus, *Salamis, in Easy Attic Greek;* composition; sight translation.

3 hours per week: 3 credits.

Prerequisite: Junior Matriculation Greek or Greek 1.

SUPERIOR DILLON AND PROFESSOR AUDEN.

Texts: J. S. Phillpotts, *Selections Adapted from Xenophon* (Oxford).
Leaf and Bayfield, *Homer's Iliad I-XII* (Macmillan).
W. W. Merry, *Homer's Odyssey I-XII* (Oxford).
Edwards, *Salamis* (Cambridge).
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.

SUPERIOR DILLON AND PROFESSOR AUDEN.

Texts: 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.

DEAN FOX AND SUPERIOR DILLON.

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

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.

DEAN FOX.

Texts: 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 course 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.

PRINCIPAL WALLER AND PROFESSOR ANDERSON.

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

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.

PRINCIPAL WALLER AND PROFESSOR ANDERSON.

Text-book: See Greek 25.
Reference: Moulton, *Grammar of New Testament Greek (Vol. I).*

45. The Gospel of St. John; Romans; Hebrews; the Pastoral Epistles; Gwatkin's selections from early writers; Milligan's selections from the Greek Papyri; lectures on textual criticism; composition; sight translation.

3 hours per week: 3 credits.

Prerequisite: Greek 35.

PRINCIPAL WALLER AND PROFESSOR ANDERSON.

Text-book: See Greek 25.
Kenyon, *Handbook to the Textual Criticism of the New Testament* (Macmillan).

Honour Courses

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

4 hours per week; 4 credits.

Prerequisite: Greek 10 (66 per cent.) or Honour Matriculation Greek.

PROFESSOR AUDEN.

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

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

4 hours per week: 4 credits.

Prerequisite: Greek 100.

PROFESSOR AUDEN.

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

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

5 hours per week: 5 credits.

Prerequisite: Greek 200.

DEAN FOX AND PROFESSOR AUDEN.

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

301. Thucydides, *II, III;* Demosthenes, *De Corona;* development of the literature of Athens with special reference to history; special study of the period of the Athenian Empire. An option in the Department of English and History.

3 hours per week: 3 credits.

Prerequisite: Greek 200.

PROFESSOR NEVILLE.

Texts: E. C. Marchant, *Thucydides II, III* (Macmillan).
M. W. Humphreys, *Demosthenes, On The Crown* (American).

400. Aeschylus, *Agamemnon;* Sophocles, *Oedipus Coloneus;* Plato, *Republic VI-X; Phaedo;* Thucydides *III, IV;* Lysias; Aeschines; Demosthenes, *De Corona;* sight translation; composition; monuments and topography of Greece;

Greek literature; history of Greece in detail from 323 to 31 B.C. (one hour per week, second term).

6 hours per week: 6 credits.

Prerequisite: Greek 300.

DEAN FOX AND PROFESSOR AUDEN.

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

DEPARTMENT OF COMMERCE

E. H. MORROW, B.A., M.B.A., Associate Professor
J. W. WESTERVELT (JR.), C.A., Lecturer in Accounting
F. H. CURRAN, B.A., LL.B., Lecturer in Commercial Economics
W. J. LAUT, Lecturer in Advertising

The courses hereunder described are subject to such alterations as time and experience may make advisable. Any alterations so made, however, will not increase the requirements demanded of students who enter under the provisions of this announcement.

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.

MR. WESTERVELT.

Text: McIntosh and Norman, *New Method Arithmetic.*

109b. **Commercial Geography:**

2 hours per week, second term: 1 credit.

PROFESSOR MORROW

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.

PROFESSOR MORROW.

Text: 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.

PROFESSOR MORROW.

Texts: Duncan, *Marketing, Its Problems and Methods.*
Starch, *Advertising.*
Copeland, *Marketing Problems.*
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.

PROFESSOR MORROW.

Text: 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.

PROFESSOR MORROW.

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.

PROFESSOR MORROW.

Text: To be announced.

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.

MR. WESTERVELT.

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.

MR. CURRAN.

Text: 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.

PROFESSOR MORROW.

Texts: Taylor, *Shop Management.*
Kimbal, *Principles of Industrial Organization.*

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.

MR. CURRAN.

Texts: 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.

MR. CURRAN.

Text: 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.

PROFESSOR MORROW.

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. Westervelt 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.

MR. WESTERVELT.

401. **Sales Management:** a survey of the problems of the sales manager. Largely a problem course in which visitors frequently present problems and direct the discussion.

3 hours per week: 3 credits.

PROFESSOR MORROW.

Text: Tosdal, *Problems in Sales Management.*

409. **Executive Problems:** the work taken in the various courses previous to this year will be correlated by means of written reports on problems of a general executive nature. Questions of Production, Sales and Financial Policy will have to be considered and co-ordinated in the effort to reach a solution of the problems involved. The problems are presented to the class by executives who read the reports and discuss them with the students.

1 hour per week: 1 credit.

SPECIAL LECTURERS.

411a. **Market Investigation:** a brief survey of the methods used in analyzing markets with a view to establishing sales budgets and quotas.

1 hour per week, first term: ½ credit.

PROFESSOR MORROW.

421b. **Price, Credit and Collection Policies:** the problems of price setting, of credit rating and of effective collections from the standpoint of manufacturer, wholesaler and retailer.

1 hour per week, second term: ½ credit.

SPECIAL LECTURERS.

431. **Advertising:** this course is designed to give the student a general knowledge of the part that advertising plays in sales policies, and to acquaint him with accepted advertising practice.

1 hour per week: 1 credit.

MR. LAUT.

491. **Research:** before graduation the student must submit a report covering the constructive and finished investigation of a specific sales problem, chosen in consultation with the Head of the Department and the manager, under whose guidance the investigation will be made. Class hours in the second term are arranged so as to give the student as much uninterrupted time as possible for this work.

3 credits.

DEPARTMENT OF ENGLISH

University College

W. F. TAMBLYN, PH.D.,	Professor
J. A. SPENCELEY, M.A.,	Assistant Professor
MRS. E. K. ALBRIGHT, B.A.,	Instructor
MISS JEAN I. WALKER,	Lecturer
MRS. JEAN NEVILLE, M.A.,	Lecturer

Assumption College

REV. CHAS. DONOVAN, B.A.,	Associate Professor
REV. M. J. OLIVER, PH.M.,	Lecturer

Ursuline College

M. M. CARMEL, M.A.,	Professor
SR. M. BONAVENTURE, M.A.,	Instructor

10. First Term:

A.—A critical study of the following poems:

The Twa Corbies.
Willie Drowned in Yarrow.
Wyat, *Forget not yet the tried intent.*
Lyly, *Cupid and Campaspe.*
Sidney, *With how sad steps, O Moon; Come sleep, O sleep.*
Drayton, *Since there's no help.*
Shakespeare, *Let me not to the marriage of true minds, When to the sessions of sweet silent thought, That time of year thou may'st in me behold, Like as the waves make to the pebbled shore, Carpe Diem, Under the greenwood tree, Frustra, 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 Pulley.*
Lovelace, *To Lucasta, To Althea.*
Milton, *L'Allegro, Il Penseroso, On the late Massacre in Piedmont, When the Assault was intended to the City, On his Blindness, To Mr. Lawrence, Epitaph on Shakespeare.*
Marvell, *Song of the Emigrants in Bermuda, Horatian Ode.*
Vaughan, *A Vision.*
Dryden, *Alexander's Feast, Characters of Achitophel, Zimri and Shimei,* in *Absalom and Achitophel.*

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, *Old Mortality.*

C.—An understanding of the following literary genres and metres: Ballad, epic, lyric, sonnet, elegy, ode, pastoral poetry; "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, *The Cotter's Saturday 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 Extension 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.*
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.*
Browning, *My Last Duchess, Up at a Villa, Fra Lippo Lippi.*

B.—A careful reading of the following:
Gray, *Eton College, The Fatal Sisters, On a Favorite Cat.*
Goldsmith, *The Deserted Village.*
Burns, *Tam O'Shanter.*
Crabbe, *The Village*, Pt. I; *Peter Grimes.*
Byron, *Childe Harold, Canto IV.*
Tennyson, *Ulysses, Morte d'Arthur, The Lotus Eaters.*
Arnold, *Sohrab and Rustum.*
Goldsmith, *The Vicar of Wakefield.*
Cowper, Carlyle and Stevenson, *Essays.*
Thackeray, *Henry Esmond.*

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.

PROFESSOR DONOVAN AND MRS. ALBRIGHT.

Texts: *The English Parnassus* (Oxford).
Palgrave's *Golden Treasury* (Nelson, Oxford or Macmillan).
Selected English Essays (Oxford).
J. Buchan, *History of English Literature* (Nelson).
W. J. Long, *English Literature* (Ginn).
Scott, *Old Mortality* (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.

MISS WALKER.

Text: A. E. Phillips, *Effective Speaking* (Newton Company).

12. **Composition and Rhetoric:** exercises in class, and four essays on subjects prescribed; lectures and reading. Prescribed for all those in the first year.

1 hour per week: 1 credit.

PROFESSORS SPENCELEY, TAMBLYN, DONOVAN AND CARMEL.

Text: W. K. Smart, *Handbook of Effective Writing* (Harper).

20. 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, *Much Ado about Nothing*, and *Measure for Measure.*

C.—A careful reading of the selections in *English Prose, Vol. I* (Ed. Peacock, Oxford), *English Essays 1600-1900* (Ed. Makower and Blackwell, 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 *Merry Wives of Windsor.*
Dekker, *Shoemakers' Holiday.*

C.—A careful reading of selections from Boswell's *Johnson* and of the selections in *English Prose, Vols. II-III* (Peacock), *English Essays 1600-1900*, and *Selected English Essays* from the following writers: 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 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.

PROFESSORS TAMBLYN, SPENCELEY, CARMEL AND DONOVAN.

Texts: New Hudson Shakespeare (Ginn).
Raleigh, *Shakespeare.*
Selections from Boswell's *Life of Johnson*, Ed. E. A. J. Marsh (Bell).
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.

MISS WALKER.

Text: Winans, *Public Speaking.*

22. **Composition and Rhetoric**: class exercises, four essays, lectures and study of L. W. Smith, *The Mechanism of English Style.*

1 hour per week: 1 credit.

PROFESSORS CARMEL, OLIVER, MRS. ALBRIGHT AND MRS. NEVILLE.

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

First Term:

Blake, *Piping down the valleys wild, On Another's Sorrow, The Clod and the Pebble, The Tiger, A Poison Tree, Auguries of Innocence, Two Kinds of Riches, The Two Songs, Love's Secret, My silks and fine array, How sweet I roamed from field to field, The Little Black Boy, The Chimney Sweeper, Holy Thursday, Proverbs.*

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.*

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 *English Prose, Vol. III* (Peacock) from Blake to Lamb, in *English Essays 1600-1900,* from Sydney Smith, Lamb and Hazlitt, in *Selected English Essays* from Lamb and Hazlitt, in *Readings in English Prose of the Nineteenth Century* (Ed. Alden, Houghton Mifflin) from Coleridge (pp. 34-45), Lamb, Hazlitt and Landor.

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 *English Essays 1600-1900,* from Irving, Carlyle, Emerson, Thackeray, Lowell, Ruskin, Arnold, Pater, Mary Coleridge; 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.

PROFESSORS SPENCELEY, CARMEL AND DONOVAN AND MRS. ALBRIGHT.

Texts: *British Poets of the Nineteenth Century* (Sanborn).
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.*
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 1925-26. To be given in 1924-25.

Defoe, *Robinson Crusoe.*
Richardson, *Pamela.*
Fielding, *Joseph Andrews.*
Goldsmith, *The Vicar of Wakefield.*
Sterne, *Tristram Shandy.*
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.

PROFESSOR SPENCELEY.

References: Cross, *The Development of the English Novel.*
Raleigh, *The English Novel.*
Sherman, *On Contemporary Literature.*

32. A course in composition for commerce students. **Letters,** précis writing and themes.
Prerequisite: English 22.
2 hours per week: 1 credit.

PROFESSOR TAMBLYN.

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; not given in 1924-5.

Texts: E. K. and E. H. Broadus, *A Book of Canadian Prose and Verse* (Macmillan).
W. W. Campbell, *Oxford Book of Canadian Verse.*
Haliburton, *Sam Slick, The Old Judge.*
R. P. Baker, *A History of English Canadian Literature to the Confederation* (Harvard University Press).

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

First Term:

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, 433-4, 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, 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).

References: 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).

Second Term:

The Oxford Book of Victorian Verse: Nos. 601-2, 616, 619, 623-6, 643-5, 662-3, 666, 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, 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.

W. D. Lighthall, *Canadian Poems and Lays* (Musson):—
Roberts, *Canada, Burnt Lands, Birch and Paddle, Frogs.*
Scott, *At the Cedars.*
Crawford, *Song of the Axe, The Canoe.*
Campbell, *A Canadian Folk-Song, Indian Summer, A Mid-Winter Night's Dream.*
Carman, *The Wraith of the Red Swan, Low Tide on Grand Pre, In Lyric Season.*
Sangster, *Brock.*
Mair, *A Ballad for Brave Women.*
Lampman, *Heat, Clouds, Midsummer Night, The Frogs.*
Edgar, *The Canadian Song Sparrow.*

Hugh Walker, *Literature of the Victorian Era* (Cambridge University Press).

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).
J. Cappon, *Roberts* (Ryerson Press).
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).

Prescribed with 41, 42, for all students in General Course. 1 hour per week: 1 credit.

PROFESSORS TAMBLYN, DONOVAN AND CARMEL.

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

First Term:

T. Hardy, *The Return of the Native.*

R. L. Stevenson, *Talk and Talkers* (Ed. 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, *Candida.*
Walker and Williams (see under 40).
H. Child, *Thomas Hardy* (Holt).

References: L. Abercrombie, *Thomas Hardy* (Kennerley).
J. Freeman, *The Moderns* (Robert Scott).

Second Term:
A. C. Bradley, *Poetry for Poetry's Sake* in *Oxford Lectures* (Macmillan).
H. G. Wells, *The Undying Fire* (Macmillan).
J. D. Beresford, *Wells* (Holt).

References: See under 40.

1 hour per week: 1 credit.
PROFESSORS TAMBLYN, DONOVAN AND CARMEL.

42. 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, 28-33; Paradiso, Cantos 1, 33* (Dent).
Piers Plowman, Prologue and *Passus I.*
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.
PROFESSORS TAMBLYN, DONOVAN AND CARMEL.

100. A critical study of the following:
Jonson, *To the Memory of Shakespeare.*
Milton, *L'Allegro, Il Penseroso, Epitaph on Shakespeare, Lycidas.*
Dryden, *Absalom and Achitophel I.*
Pope, *Rape of the Lock.*
Gray, *Eton College, Elegy, Progress of Poesy.*
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.*
Byron, *Vision of Judgement.*
Keats, as in English 10.
Tennyson, *Locksley Hall, Oenone.*
Browning, *My Last Duchess, Fra Lippo, Andrea, Caliban.*
The selections from Stecle to Stevenson in *Selected English Essays.*
Johnson, *Preface to Shakespeare, Life of Savage.*

Prescribed with English 12 and 20 for first year students in the Honour English courses.
2 hours per week: 2 credits. MRS. ALBRIGHT.

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

200. A study of the following texts:
Spenser, *Faerie Queene V.*
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 201 and 202 for second year students in the Honour English courses.
2 hours a week: 2 credits.
PROFESSOR TAMBLYN.

Texts: *The English Parnassus* (Oxford).

201. **Anglo-Saxon and the History of the English Language.**

First Term:

Anglo-Saxon Grammar; translation of the following passages from Bright's Anglo-Saxon Reader: Selections I, III, V, VI, VIII, XII, XVI, XX, XXI, XXIII.

Second Term:

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: 2 credits.

PROFESSOR SPENCELEY.

References: See the various Histories of the English Language by O. F. Emerson, J. P. Smith, O. Jespersen, Lounsbury, Wyld, Krapp and Sweet.

202. **Composition:** see English 22.

1 hour a week: 1 credit.

300. The subjects of courses 30 and 42 in the General Course; an extra hour in Chaucer will be given to the Honour students throughout the year. Prescribed with 301 for third year students in the Honour English courses.

5 hours per week: 5 credits.

Prerequisites: English 200, 201, 202.

301. **Anglo-Saxon Poetry,** including Beowulf. In this course Anglo-Saxon Poetry from the earliest times to the Norman Conquest will be reviewed and the following poems from Faust and Thompson, *Old English Poems* will be read: *Widsith, Deor's Lament, The Battle of Maldon, The Seafarer, The Wanderer, Gnomic Verses, Riddles, Charms, Genesis A, The Christ, The Dream of the Rood, The Andreas, Judith.*

Beowulf will be read with due attention to metre, literary history and antiquities, and the selections in Sedgefield's *An Anglo-Saxon Verse Book* will be read in class.

1 hour per week: 1 credit.

PROFESSOR SPENCELEY.

Texts: *Beowulf* (Chambers-Wyatt, or Klaeber Edition), or *An Anglo-Saxon Verse Book* (W. J. Sedgefield).

References: Brooke, *English Literature from the Beginning to the Norman Conquest.* Ten Brink, *History of English Literature, Vol. I.*

400. The subjects of 40 and 41 in the General Course. Prescribed with 401, 402, 403 for fourth year students in the Honour English courses.

2 hours per week: 2 credits.

Prerequisites: English 300, 301.

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 Four 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, Hamlet, Coriolanus.*

2 hours per week: 2 credits.

PROFESSOR SPENCELEY.

Texts: J. M. Manly, *Pre-Shakespearean Drama* (two volumes).
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;* Browne, *Religio Medici,* selections from North.

2 hours per week: 2 credits.

PROFESSOR TAMBLYN.

403. **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, *Preface to the Lyrical Ballads.*
S. T. Coleridge, *Biographia Literaria 17, 18.*
M. Arnold, *Literature and Science, The Function of Criticism, The Study of Poetry.*
W. Pater, *Charles Lamb.*
L. Stephen, *Sir Thomas Browne.*
J. M. Robertson, *Ruskin.*
R. L. Stevenson, *Gossip on Romance.*
J. A. M. Whistler, *Ten o'Clock.*
G. Meredith, *Essay on Comedy.*
G. L. Dickinson, *Greek Tragedy.*

1 hour per week: 1 credit.

MRS. ALBRIGHT.

Texts: Roe and Elliott, *English Prose* (Longmans).
E. D. Jones, *English Critical Essays (XIX Cent.)* (Oxford).
W. S. Johnson, *Selections* from Arnold's Prose Works (Houghton Mifflin).

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).
W. H. Hudson, *Studies in Interpretation, An Introduction to The Study of Literature* (1913).
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. Symmons, *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.*
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.*

Also books and articles by Bridges, Elton, Newbolt, Bailey, More, Gayley, Spingarn, Lowes, Lynd, Abercrombie, Clutton-Brock, H. Child and J. Middleton Murry.

PROFESSOR TAMBLYN.

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.

PROFESSOR SPENCELEY.

DEPARTMENT OF GEOLOGY

PROFESSOR RUSSELL

20. **General Geology and Meteorology:** a course of lectures introductory to Geology and Meteorology, with field trips.

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

References: Cleland, *Physical and Historical Geology.*
Milham, *Elementary Meteorology.*

30. **Historical Geology:** a course of lectures on Historical and Structural Geology and Palaeontology with special reference to Canada.

2 lectures and 2 laboratory hours per week, with field trips: 3 credits.

Prerequisite: Geology 20.

References: Cleland, *Physical and Historical Geology.*
Coleman and Parks, *Elementary Geology.*
Shimer, *Introduction to Study of Fossils.*

40. **Mineralogy:** lectures on Descriptive Mineralogy, with laboratory work on blow-pipe analysis.
1 lecture and 4 laboratory hours per week: 3 credits.

References: Ford, *Dana's Manual of Mineralogy.*
Warren, *Determinative Mineralogy.*

Honour Courses

100. **General Geology and Meteorology:** a course introductory to Geology and Meteorology, with field trips.
2 lectures and 2 laboratory hours per week: 3 credits.

References: Grabau, *Text Book on Geology, Part I.*
Pirrson and Schuchert, *Text Book on Geology.*
Chamberlain and Salisbury, *Geology.*
Milham, *Elementary Meteorology.*

200. **Historical Geology and Introductory Palaeontology.**
3 lectures and 2 laboratory hours per week: 3 credits.
Prerequisites: Geology 100, Botany 100 and Zoology 100.

References: Grabau, *Text Book on Geology, Part II.*
Pirrson and Schuchert, *Text Book on Geology.*
Shimer, *Introduction to Study of Fossils.*
Zittel, *Text Book of Palaeontology.*

300. **Mineralogy:** lectures on Descriptive and Determinative Mineralogy with blow-pipe analysis and assaying.
1 lecture and 5 laboratory hours per week: 3 credits.
Prerequisite: Chemistry 100, Geology 200.

References: Dana, *Text Book of Mineralogy.*
Warren, *Determinative Mineralogy.*
Brush and Penfield, *Determinative Mineralogy.*

301. **Crystallography:** lectures and laboratory work in crystallography and optical mineralogy. Open to students who have taken or are taking Geology 300.
1 lecture, 2 hours laboratory: 2 credits.

Text: Iddings, *Rock Minerals* (Wiley).

302. **Regional Geology of Canada:** a course of lectures and reading on the physiography, historical geology and economic geology of Canada.
2 lectures per week with assigned work and essays: 3 credits.
Prerequisites: Geology 200.

303. **History of Geology:** a course of lectures dealing with the development of the geological sciences.
2 lectures per week: 2 credits.

400. **Economic Geology:** a course of lectures and reading, with laboratory work, on economic geology with special reference to Canadian deposits.

3 lectures and 2 laboratory hours per week with assigned reading and essays: 5 credits.

Text: Lindgren, *Mineral Deposits* (McGraw-Hill).
Emmons, *Economic Geology.*

401. 402. 403. **Geological Research:** work upon some geologic problems designed to give practice in methods of scientific research. Nature of work, time required and credits to be determined for each student individually.

DEPARTMENT OF GERMAN LANGUAGE AND LITERATURE

University College

N. C. JAMES, PH.D., Professor
R. A. ALLEN, M.A., Instructor

1. **Preparatory German:** the work of the middle school or its equivalent is covered.

3 hours per week: 3 credits.

PROFESSOR JAMES

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.

MR. ALLEN.

Texts: High School German Grammar.
Stern, *Geschichten von deutschen Städten, Vol. I.*

20. Grammar, conversation, translation into German, translation from modern German.

3 hours per week: 3 credits.

Prerequisite: German 10.

PROFESSOR JAMES

Texts: Stern, *Geschichten von deutschen Städten, Vol. II.*
Hatfield, *German Lyrics and Ballads* (Nos. 1, 6 to 9, 14, 20, 25, 27, 28, 31, 37, 42, 43, 46, 47, 49, 50, 53, 61, 62, 67, 71, 72, 83, 84, 88, 89, 103, 107, 108, 115)

30. Grammar, translation into German, outline of German literature from the beginning up to 1740.
3 hours per week: 3 credits.
Prerequisite: German 20.

MR. ALLEN.

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.

PROFESSOR JAMES

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.

MR. ALLEN

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.

PROFESSOR JAMES

100. Grammar, pronunciation, translation into German, translation from modern German literature up to 1500.
3 hours per week: 3 credits.
Prerequisite: Upper School German or German 10.

MR. ALLEN.

Texts: Stern, *Geschichten von deutschen Städten, Vol. II.*
Grillparzer, *Sappho.*
Storm, *Immensee.*
Supplementary Reading.

200. Outline of history of German literature from 1500 to 1740.
3 hours per week: 3 credits.
Prerequisite: German 100.

PROFESSOR JAMES

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.

PROFESSOR JAMES

300a. 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.

MR. ALLEN.

Texts: Lessing, *Minna von Barnhelm.*
Lessing, *Nathan der Weise.*
Heine, *Prosa* (Buchheim Edition).

300b. The life and works of Goethe.
2 hours per week: 2 credits.
Prerequisite: German 200.

PROFESSOR JAMES

Texts: Goethe, *Hermann und Dorothea.*
Goethe, *Iphigenie.*

301. Grammar, conversation, translation into German.
1 hour per week: 1 credit.
Prerequisite: German 200, 201.

PROFESSOR JAMES

400. A general acquaintance with the German Literature of the nineteenth century.
4 hours per week: 4 credits.
Prerequisite: German 300.

MR. ALLEN.

Texts: Goethe, *Faust.*
Oxford Book of German Verse (Selections beginning with Novalis).
Hebbel, *Agnes Bernauer.*
Grillparzer, *Sappho.*
Ludwig, *Zwischen Himmel und Erde.*
Sudermann, *Der Katzensteg.*

401. Grammar, conversation, translation into German.
1 hour per week: 1 credit.
Prerequisite: German 300 and 301.

PROFESSOR JAMES

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.

MR. ALLEN.

DEPARTMENT OF HEBREW

PROFESSOR WALLER

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

Every student must provide himself with a *Hebrew Bible*, Bagster's *Hebrew-English Lexicon* and Davidson's *Hebrew Grammar*, 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;* gramatical analysis, parsing and vocabulary.

4 hours per week: 4 credits.

200. Grammar; exercises in translation of Hebrew into English and of English into Hebrew; pointing of simple passages; translation of *Genesis 1-4; 37, 40-45;* introduction to prophetic writings; *Amos; Isaiah 1-6, 40, 50-55; Jeremiah 7; Ezekiel 14.*

4 hours per week; 4 credits.

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 Classics

Assumption College

REV. J. B. MORRISSEY, B.A., Instructor

Ursuline College

M. M. ST. MICHAEL, M.A., Professor
SR. M. BONAVENTURE, M.A., Instructor

20. **Ancient Civilizations:** Early Egyptian, Babylonian, Hebrew History; Greece; Rome to 200 A.D. Lectures, reading and essays.

3 hours per week: 3 credits.

PROFESSORS NEVILLE AND ST. MICHAEL, MR. MORRISSEY

Text-book: Breasted, *Ancient Times* (Ginn).

30a. **Mediaeval History (476-1122):** lectures, prescribed reading and essays.
3 hours per week, first term: 1½ credits.
PROFESSOR DORLAND.

Text-books: Thorndike, *History of Mediaeval Europe* (Houghton Mifflin).
Robinson, *Readings in European History, Vol. I.*

30b. **Mediaeval History (1122-1492):** lectures, prescribed reading and essays.
3 hours per week, second term: 1½ credits.
PROFESSOR DORLAND.

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.
PROFESSOR LANDON.

40a. **Modern History (1713-1815):** lectures, prescribed reading and essays.
3 hours per week, first term: 1½ credits.
Prerequisite: History 30a, 30b or an equivalent.
PROFESSOR DORLAND.

Text-books: Seeley, *Expansion of England.*
Rose, *Revolutionary and Napoleonic Era.*
Robinson and Beard, *Readings in Modern European History, Vol. I.*

40b. **Modern History (1815-1915):** lectures, prescribed reading and essays.
3 hours per week, second term: 1½ credits.
Prerequisite: History 30a, 30b or an equivalent.
PROFESSOR DORLAND.

Text-books: Hayes, *A Political and Social History of Modern Europe*, 1815-1915 (Macmillan).
Robinson and Beard, *Readings in Modern European History, Vol. II.*

41. **The Foundations of Modern Europe:** prescribed reading and essays. The following topics will be studied: The Countries of Europe at the beginning of the Sixteenth Century; the reaction of the Renaissance on Northern Europe; the Protestant Revolt and the Catholic Reformation; the ascendency of Spain and its decline; the Wars of Religion in France; the Thirty Years War in Germany; the Age of Louis XIV; the triumph of Parliamentary Government in

England; the Revolution of 1688; the expansion of Europe and colonial rivalry down to the Treaty of Utrecht 1713. Offered in 1924-25 to extramural students only.

3 hours per week: 1½ credits.

Prerequisite: History 30a, 30b.

PROFESSOR DORLAND.

Text-books: Hayes, *A Political and Social History of Modern Europe*, 1500-1815, *Vol. I.* (Macmillan).
Robinson, *Readings in European History, Vol. II.*

42. **The Constitutional History of England:** lectures, prescribed reading and essays. The following topics will be studied: Anglo-Saxon and Norman Institutions; the development of the Judicature; Magna Carta; the growth of Parliament; the Lancastrian Experiment in Constitutional Government; the development of Constitutional Monarchy.

3 hours per week, first term; second term for extramural students: 1½ credits.

Prerequisite: History 30a, 30b.

PROFESSOR DORLAND.

Text-books: Masterman, *History of the British Constitution.*
Adams and Stephens, *Select Documents of English Constitutional History.*
Maitland, *Constitutional History of England.*
References: Stubbs, *Constitutional History of England.*
Taswell-Langmead, *English Constitutional History.*
Adams, *Constitutional History of England* (Holt).

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 19th Century; the development of self-government in Canada, Australia and South Africa; the Constitution of the Australian Commonwealth; the partition of Africa; the Boer War; the Union of South Africa.

3 hours per week, second term; 1½ credits.

Prerequisite: History 30a, 30b.

PROFESSOR DORLAND.

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:** this course will include the colonial period, the revolution, the making of the constitution, westward development, the slavery struggle and Civil War, reconstruction and political history to date. Attention will also be given to the character of state government. The period down to the Civil War will be covered in the first term; the later period in the second term.

Lectures and prescribed reading, with essays for extra-mural students. Students in this course will be expected to do considerable outside reading.

2 hours per week: 2 credits.

Prerequisites: History 30.

PROFESSOR LANDON.

Text-books: Muzzey, *United States of America, Vol. I* (Ginn).
Lingley, *Since the Civil War* (Century).

Honour Courses

105. **History of England:** from 1066 to 1713, with special emphasis upon social and economic phases and upon the Renaissance and Reformation periods. Lectures, prescribed reading and essays.

Prescribed for students taking the Honour Courses in History, or in Political Economy.

2 hours per week: 2 credits.

PROFESSOR LANDON.

Text-books: Cheyney, *A Short History of England* (Ginn).
Cheyney, *Readings in English History* (Ginn).
Mowat, *A History of Great Britain* (Oxford).

200a. **Mediaeval History (476-1122):** lectures, prescribed reading and essays.

3 hours per week, first term: 1½ credits.

Prerequisite: History 105.

PROFESSOR DORLAND.

Text-books: Thorndike, *History of Mediaeval Europe* (Houghton Mifflin Co.).
Robinson, *Readings in European History, Vol. I.*
References: Sergeant, *The Franks.*
Gibbon, *Decline and Fall of Roman Empire.*
Milman, *History of Latin Christianity.*
Oman, *The Dark Ages.*
Cambridge, *Mediaeval History.*
Bryce, *Holy Roman Empire.*
Munro and Sellery, *Mediaeval Civilization.*
Thatcher and McNeal, *Source Book for Mediaeval History.*

200b. **Mediaeval History (1122-1492):** lectures, prescribed reading and essays.

3 hours per week, second term: 1½ credits.

Prerequisite: History 105.

PROFESSOR DORLAND.

Text-books: Thorndike, *History of Mediaeval Europe.*
Robinson, *Readings in European History, Vol. II.*
References: Thatcher and McNeal, *Source Book for Mediaeval History.*
Milman, *History of Latin Christianity.*
Fisher, *Mediaeval Empire.*
Munro and Sellery, *Mediaeval Civilization.*
Tout, *Empire and the Papacy.*
Vickers, *England in the Later Middle Ages.*
Lodge, *The Close of the Middle Ages.*

300a. **Modern History (1713-1815):** lectures, prescribed reading and essays.

3 hours per week, first term; 1½ credits.

Prerequisite: History 200a, 200b.

PROFESSOR DORLAND.

Text-books: Seeley, *Expansion of England.*
Rose, *Revolutionary and Napoleonic Era.*
Robinson and Beard, *Readings in Modern European History, Vol. I.*
References: Lecky, *History of England in the Eighteenth Century.*
Kitchin, *History of France.*
Young, *Travels in France.*
Lowel, *Eve of The Revolution.*
Fisher, *Napoleon.*
Henderson, *Short History of Germany.*
Madelin, *The French Revolution.*
Perkins, *France Under the Regency.*
Perkins, *France Under Louis XV.*

300b. **Modern History (1815-1915):** lectures, prescribed reading and essays.

3 hours per week, second term: 1½ credits.

Prerequisite: History 300a.

PROFESSOR DORLAND.

Text-books: Hayes, *A Political and Social History of Modern Europe* 1815-1915 (Macmillan).
Robinson and Beard, *Readings in Modern European History, Vol. II.*
References: Gooch, *History of Our Time.*
Von Bulow, *Imperial Germany.*
Marriott, *England Since Waterloo.*
Muir, *Expansion of Europe.*
Rose, *Development of Modern European Nations.*
Gibbons, *New Map of Europe.*
Seymour, *Diplomatic Background of the Great War.*

301. **History of Canada:** exploration and discoveries; institutions and forms of government under the French regime; the British regime to Confederation and later political history; political history of Ontario and Quebec.

Lectures and prescribed readings, with essays for extra-mural students. Students in this course will be expected to

do wide reading in *Canada and Its Provinces; The Makers of Canada; Chronicles of Canada;* Skelton's *Laurier; Macdonald's Letters* (Pope Edition), etc.

2 hours per week: 2 credits.

PROFESSOR LANDON.

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.

PROFESSOR DORLAND.

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.*
Letters of Queen Victoria.
Monypenny and Buckle, *Life and Letters of Benjamin Disraeli.*
Basil Williams, *Life of William Pitt.*
Trevelyan, *Life of John Bright.*

402. **The Constitutional History of England:** for details, see History 42. Prescribed for students of the fourth year in the Honour Courses in History and in Political Economy.

3 hours per week, first term: 1½ credits.

PROFESSOR DORLAND.

403. **The Development of Self-Government in the British Empire:** for details, see History 43. Prescribed for students of the fourth year in the Honour Courses in History and in Political Economy.

3 hours per week, second term: 1½ credits.

PROFESSOR DORLAND.

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.

PROFESSOR LANDON.

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 American 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

MR. PERRIN

500. **Domestic Relations:** Eversley, substituting the Canadian Statues 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: 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 to page 235, ch. 4 to 13, inclusive; Part IV: ch. 1 and 2 from page 545, ch. 3 to page 729; Part V: ch. 1 to 6, inclusive; Part VI: ch. 1 to 6, inclusive.

Text: Brice, *Ultra Vires*, Second Edition.

502. **Medical Jurisprudence:** the following portions will be read from the text named below: ch. 1 to 5, inclusive; ch. 23 to 39, inclusive; ch. 44 to 54, inclusive; ch. 59 to 67, inclusive.

Text-book: Reece, *Medical Jurisprudence.*

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 SCIENCE

MISS ROSS

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.

1 hour a week, first term: ½ credit.

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., Instructor

Assumption College

SUPERIOR D. L. DILLON, B.A., Lecturer

Ursuline College

M. M. ST. MICHAEL, M.A., Instructor

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; remainder theorem and factor theorem —factoring a polynominal, value of polynominal for large values of independent variable; ratio and proportion; variation; arithmetic and geometric 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.

Prerequisites: Pass Matriculation in Mathematics.

Text: Wilson and Warren, *College Algebra* (Ginn).

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.

3 hours per week, second term: 1½ credits.

Prerequisites: Middle School Mathematics.

Text: Crawley and Evans, *Analytical Geometry* (E. S. Crawley, University of Pennsylvania).

14. **General Mathematics** (for Medical Students):

First Term:—Trigonometric ratios of 30°, 45°, 60°; applications to simple problems in heights and distances; review of fractional linear and quadratic equations; arithmetic and geometric progressions; application to compound interest, annuities and life insurance; permutations and combinations, binomial theorem, logarithms.

Second Term: Graphs of statistics; selected portions of the analytical geometry of the point, straight line, circle, parabola and ellipse; application to curve of flight, parabolic reflector, etc.

2 hours per week: 2 credits.

Prerequisites: Middle School Mathematics.

Text: First Term—No text required.
Second Term—Crawley and Evans, *Analytical Geometry.*

20a. **Pre-calculus Mathematics:** review of binomial theorem; logarithms; annuities; exponential and logarithmic series; mathematical induction; determinants; trigonometrical ratios; loci; curve tracing.

2 hours per week: 1 credit.

Prerequisites: Mathematics 10a and 12b.

MR. WOODS.

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

23b. **Trigonometry:** trigonometrical ratios and their relations; values of ratios of common angles; formulas of circular measure; applications; ratios of the sum and difference of two angles with derived formulae; logarithms; solution of triangles with derivation of the necessary 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.

Prerequisites: Mathematics 10a and 12b.

PROFESSOR PATTERSON.

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

24b. **Calculus:** an elementary course stressing practical applications.

2 hours per week: 1 credit.

Prerequisite: 20a or its equivalent.

MR. WOODS.

Text: Passano, *Calculus and Graphs* (Macmillan).

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.

PROFESSOR KINGSTON.

Text: 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.

Prerequisites: Mathematics 20a, or its equivalent.

PROFESSOR KINGSTON.

Text: Rietz, Crathorne and Rietz, *Mathematics of Finance* (Holt).

Honour Courses

100. **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; continued fractions; indeterminate equations of first degree; recurring continued fractions; summation of series.

2 hours per week, first term; 1 hour per week, second term: 1½ credits.

Prerequisites: Upper School Mathematics, or Mathematics 10a, 12b, 23b.

MR. WOODS.

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

101. **Synthetic Solid Geometry.**

2 hours per week, one term: 1 credit.

Prerequisites: As for Mathematics 100.

PROFESSOR KINGSTON.

Text: Wentworth and Smith, *Solid Geometry* (Ginn).

102. **Analytical Plane Geometry:**
First Term: review of first course in analytic geometry; general treatment of the principal properties of the parabola, ellipse and hyperbola.

Second Term: 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.
2 hours per week, first term; 1 hour per week, second term: 1½ credits.
Prerequisites: As for Mathematics 100.

PROFESSOR PATTERSON.

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

103. **Higher Trigonometry:**
First Term: 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:
Second Term: 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.
1 hour per week: 1 credit.
Prerequisites: As for Mathematics 100.

PROFESSOR PATTERSON.

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

104. **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 interpretation; simple applications to calculation of areas of plane curves and volumes of solids of revolution.
1 hour per week: 1 credit.
Prerequisite: As for Mathematics 100.

MR. WOODS.

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

MR. WOODS.

Texts: 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.

PROFESSOR PATTERSON.

Texts: 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.

PROFESSOR PATTERSON.

Texts: Granville, *Differential and Integral Calculus* (Ginn).
Williamson, *Integral Calculus, Elementary Treatise* (Longmans).
References: The Works of Byerly, Edwards, Johnson, Williamson.

212. **Analytical Solid Geometry.**

1 hour per week: 1 credit.

Prerequisites: Mathematics 102 and 104.

PROFESSOR KINGSTON.

Text: 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 1924-25.

301. **Modern Synthetic 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.

PROFESSOR KINGSTON.

Text: To be announced later.
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 and astronomy.

2 hours per week, first term: 1 credit.

Prerequisites: Mathematics 200-206.

MR. WOODS.

Text: Dupuis and Matheson, *Spherical Trigonometry* (Uglow).
Reference: Todhunter and Leatham, *Spherical Trigonometry* (Macmillan).

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 differentials equations.

2 hours per week: 2 credits.

Prerequisites: Mathematics 200-206.

PROFESSOR KINGSTON.

Text: 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.

PROFESSOR KINGSTON.

Texts: 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.

PROFESSOR KINGSTON.

Text: 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.

PROFESSOR PATTERSON.

Text: 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.
Prerequisite: Mathematics 200-206.

MR. WOODS.

Text: 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; Plucker's numbers; residuation; genesis and properties of various plane curves; roulettes.
2 hours per week: 2 credits.
Prerequisites: Mathematics 200-206.

PROFESSOR PATTERSON.

Texts: 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.

PROFESSOR KINGSTON.

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.

MR. WOODS.

Texts: 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; Herschel's and Maclaurin's Theorems; interpolation formulae; statistical applications; mechanical quadratures; finite integration; Euler-Maclaurin sum series.
2 hours per week, first term: 1 credit.
Prerequisites: Mathematics 200-206.

PROFESSOR KINGSTON.

Text: Burn and Brown, *The Elements of Finite Differences* (Spectator).
Reference: 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.

PROFESSOR KINGSTON.

Texts: Rietz, Crathorne and Rietz, *Mathematics of Finance* (Holt).
Todhunter, *Institute of Actuaries Text Book, Part II* (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.

MR. WOODS.

Texts: 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 candidates:

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
REV. W. R. MCINTOSH, B.A., B.D.,	Lecturer
REV. E. W. JEWETT, B.A.,	Lecturer

Assumption College

REV. M. J. OLIVER, B.A., PH.M.,	Professor
REV. E. J. TIGHE, B.A.,	Professor
REV. C. P. DONOVAN, B.A.,	Lecturer
REV. L. J. BONDY, B.A.,	Lecturer
REV. W. C. SHARPE, M.A., B.D.,	Lecturer

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

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

DR. SAGE.

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.

DR. SAGE.

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.

MR. JEWITT.

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.

DR. SAGE.

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

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.

MR. MCINTOSH.

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.

PROFESSOR POCOCK.

Text: Maher, *Psychology.*
References: Mercier, *Manual of Modern Scholastic Philosophy* (two volumes).
Turner, *History of Philosophy.*

Honour Courses

200. **Elementary Psychology.**

3 hours per week: 3 credits.

PROFESSOR DONOVAN AND REV. L. M. FORRISTAL.

220. **An Introductory Course in Logic:** inductive and deductive reasoning; the syllogism.

2 hours per week: 2 credits.

PROFESSORS DONOVAN AND POCOCK.

230. **History of Philosophy:** a course of lectures in Greek Philosophy.

2 hours per week: 2 credits.

PROFESSOR SHARPE AND REV. L. M. FORRISTAL.

300. **Metaphysics.**
3 hours per week: 3 credits.
PROFESSORS O'CONNOR AND TIGHE.

320. **Ethics.**
3 hours per week: 3 credits.
PROFESSORS OLIVER AND BRENNAN.

330. **Logic.**
2 hours per week: 2 credits.
PROFESSOR TIGHE AND DR. FLANNERY.

340. **History of Philosophy:** Patristic and Mediaeval.
3 hours per week: 3 credits.
PROFESSOR SHARPE AND DR. FFOULKES.

400. **Special Questions in Metaphysics.**
3 hours per week: 3 credits.
PROFESSORS O'CONNOR AND TIGHE.

410. **Special Questions in Psychology.**
2 hours per week: 2 credits.
PROFESSOR TIGHE AND DR. FLANNERY

420. **Ethics.**
3 hours per week: 3 credits.
PROFESSORS BRENNAN AND OLIVER.

430. **History of Philosophy:** Modern.
3 hours per week: 3 credits.
PROFESSOR BONDY AND DR. FLANNERY.

DEPARTMENT OF PHYSICAL AND MILITARY TRAINING

Supervisors: Men, MAJOR GEO. A. SMITH, M.D., M.C.
Women, MISS E. WYNNE PRYCE.

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 perform-

ance justifies he will receive credit for attendance at and performance of 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. MISS PRYCE.

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 this 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.

This 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.

DR. SMITH.

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.

MISS PRYCE.

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 this year consists of two parts: practical, two hours per week, and theoretical (lecture), one hour per week.

An opportunity is given the students to secure Certificate "B," being a continuation of the work required for Certificate "A."

3 or 2 hours per week: 1 credit.

DR. SMITH.

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.

MISS PRYCE.

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.

DR. SMITH

DEPARTMENT OF PHYSICS

R. C. DEARLE, M.A., PH.D.,	Professor
R. L. ALLEN, M.A.,	Instructor
MISS A. W. FOSTER, M.A.,	Instructor
C. SMITH, B.A.,	Assistant
K. THOMSON, B.A.,	Assistant
M. EPPLETT,	Student Assistant
T. H. JAMES,	Student Assistant
H. R. TUFTS,	Student Assistant

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 course taken.

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 14 or 23b.

Text-book: Watson, *General Physics.*
References: Hadley, *Electricity and Magnetism.*
Edser, *Light for Students.*
Catchpool, *Sound.*

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 & 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.*
Reference: Jeans, *Mechanics.*

201. **Electricity, Sound and Light:** lectures on the principles involved, including an elementary mathematical treatment of magnetic and electric fields, measuring instruments, electromagnetism, dynamos and motors, conduction through gases; reflection and refraction of light, mirrors and lenses

lens systems, dispersion, polarisation; wave-motion, propagation of sound waves, measurement of wave-length, velocity and pitch; musical scales, standards of pitch.

2 lectures, 6 laboratory hours per week, first term: 3 lectures, 6 laboratory hours per week, second term: 5 credits.

Texts: Starling, *Electricity and Magnetism.*
Poynting and Thomson, *Text-book of Physics, Vol. II.*
Edser, *Light for Students.*
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.

Texts: 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, *Light.*
References: Wood, *Physical Optics.*
Drude, *Theory of Optics.*

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 per week; 3 laboratory hours: 3 credits.

Text: Edser, *Heat for Advanced Students.*
Reference: Stewart, *Elementary Treatise on Heat.*

400a. **Theory of Potential:** a mathematical treatment of the electric field and its properties.

2 lectures per week, first term: 1 credit.

Text: Foster and Porter, *Elementary Treatise on Electricity and Magnetism.*
References: Thomson, *Elements of Electricity and Magnetism.*
Campbell, *Modern Electrical Theory.*
Jeans, *Electricity and Magnetism.*

400b. **Transient Phenomena and Alternating Current Theory:** an introduction to the mathematical treatment of electromagnetic induction.

2 lectures per week, second term: 1 credit.

Text: To be announced.

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 per week; 3 laboratory hours: 3 credits.

Texts: 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 POLITICAL ECONOMY

PROFESSOR FREEMAN

20. **The Elements of Political Economy:** to provide an introduction to the more specialized courses, attention will be focused upon the subjects of consumption, production, exchange and price. Particular reference will be made to current problems not dealt with in other parts of the curriculum.

2 hours per week: 2 credits.

Text-book: C. Gide, *Principles of Political Economy.*

30. **Money and Banking:** the first term will be devoted to a general survey of the mechanism of exchange, including a discussion of price movements and the business cycle. In the second term the chief banking systems of the world will be compared and a brief treatment given to the subject of foreign exchange.

2 hours per week: 2 credits.

Text-books: J. F. Johnson, *Money and Currency.*
C. A. Phillips, *Readings in Money and Banking.*

40. **Labor Problems:** this course will comprise the following: the problem of wages, hours of work, social insurance, immigration and other labor topics; leading examples of labor legislation, agencies of industrial peace, and the organization, policies and ideals of trade unionism.

2 hours per week: 2 credits.

Text-books: E. T. Carlton, *History and Problems of Organized Labor.*
Adams and Sumner, *Labor Problems.*

200. Identical with 20.

201a. **The Economic History of Europe:** special attention will be devoted to the industrial and commercial development of Great Britain, continental countries being studied by way of comparison.

2 hours per week, first term: 1 credit.

Text-books: E. P. Cheyney, *Introduction to the Industrial and Social History of England.* F. A. Ogg, *Economic Development of Modern Europe.*

202b. **The Economic History of North America:** the course will consist of a study of the historical conditions which have given rise to the current economic problems of the United States and Canada.

2 hours per week, second term: 1 credit.

Text-books: K. Coman, *The Industrial History of the United States.* Assigned Readings in Canadian History.

300. Identical with 30.

301a. **The Economics of Transportation:** railways, their historical development, characteristics, construction, finance, rates, control, etc.; a comparative study of railway, waterway and road transport; problems of urban and rural traffic.

2 hours per week, first term: 1 credit.

Text-book: E. R. Johnson, *Elements of Transportation.*

302b. **The Economics of Agriculture:** the general principles of Economics will be applied to agriculture in its business as distinct from its technical aspects. The course will include the historical development of agriculture, farm values, national policies, land tenure, transport, credit, marketing, accounting and other problems.

2 hours per week, second term: 1 credit.

Text-book: H. C. Taylor, *Agricultural Economics.*

303b. **Corporation Finance:** types of corporate organization, their legal status, promotion and reorganization; the underwriting and marketing of securities with a special study of the stock exchange, the principles of investment; the finance of corporate extensions, consolidations and receiverships; the problems of public control.

2 hours per week, second term: 1 credit.

Text-book: E. S. Mead, *Corporation Finance.*

400. Identical with 40.

401a. **Social and Political Theory:** this course will outline the history of political theories and correlate them with the economic thought of the various periods. Socialism, Syndicalism and allied theories will be discussed in the latter part of the term.

Assigned Readings.

3 hours per week, first term: 1½ credits.

402b. **The History of Economic Theories:** the economic ideas of the Greeks, Hebrews and Romans as reflected in the economic thought and institutions of the Middle Ages, the rise of Political Economy, the characteristics of the different modern schools and the tendencies of present day doctrine.

2 hours per week, second term: 1 credit.

Text-book: L. H. Haney, *History of Economic Thought.*

403a. **Public Finance:** A study of the history, theory and practice of public expenditures, revenues and budgets, the financial administration of the war and various Canadian problems in taxation.

2 hours per week, first term: 1 credit.

Text-book: G. L. Plehn, *Introduction to Public Finance.*

404a. **International Trade and Tariffs:** the theory of international exchange, the tariff history of the leading commercial nations, the effect of the war upon commercial policy, and the Canadian tariff problem. Students will be expected to report upon the tariff features of one of the chief Canadian industries.

2 hours per week, first term: 1 credit.

Text-book: C. F. Bastable, *The Theory of International Trade.*

Government and Law

MR. PERRIN

305. **Roman Law:** a review of the customary law of the regal period at Rome, with a short history of the law from the time of the Decemviri to the death of Justinian, giving also an account of the growth of the unwritten law, praetor's edict, the formulary system, the jus naturae, the legislation during the Republic and under the Empire and the Justinian Code.

1 hour per week: 1 credit.

Prerequisite: Political Economy 200, 201, 202.

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

306. **English Law:** the law before the Norman Conquest, the Saxon Invasion, and the changes wrought by the Conqueror and his successors; the growth of the Feudal System, and the changes introduced by the Legislation of Henry II, Edward I and Edward III.

1 hour per week: 1 credit.

Prerequisite: Political Economy 200-202.

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

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

1 hour per week: 1 credit.

Prerequisite: Political Economy 200-202.

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.

Prerequisite: 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.

Prerequisite: 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.

Prerequisite: Law 305, 307.

Text-book: Westlake, *International Law.*

DEPARTMENT OF PUBLIC HEALTH AND BACTERIOLOGY

DEAN HILL
(Assisted by Dr. Luney of the Faculty of Public Health).

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 hygiene 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. M. J. OLIVER, B.A., PH.M., Lecturer

Ursuline College

REV. A. P. MAHONEY, Professor
REV. M. A. BRISSON, Lecturer

Offered at Asumption 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.

1 hour per week: 1 credit.

Text: 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.

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.

1 hour per week: 1 credit.

Text: 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.

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: 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: 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: 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: 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.*

DEPARTMENT OF ROMANCE LANGUAGES

University College

L. P. SHANKS, PH.D.,	Professor
E. A. MÉRAS, L. ès L.,	Assistant Professor
MRS. L. R. MÉRAS, PH.D.,	Instructor
W. E. COLLIN, L. ès L.,	Instructor
MRS. CAROLINE LEWIS SHANKS, PH.D.,	Lecturer

Assumption College

REV. L. J. BONDY, B.A.,	Professor
REV. CHARLES COLLINS,	Instructor
KENNETH E. COOK, B.A.,	Instructor

Ursuline College

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

FRENCH

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

10. **The Modern Short Story:** grammar, dictation, conversation, translation into French, and some training in literary appreciation.

3 hours per week: 3 credits.

PROFESSORS BONDY, ST. ANNE, MÉRAS, DR. MÉRAS AND MR. COLLIN.

Text-books: Labiche, *La Poudre aux Yeux*, or *Le Voyage de M. Perrichon.*
Mérimée, *Chronique du Règne de Charles IX.*
Daniels, *Contes de la France Contemporaine.*
Maupassant, *Huit Contes Choisis.*
Carnahan, *French Review Grammar.*
Collateral Reading: Sand, *La Petite Fadette.*
France, *Le Livre de Mon Ami.*
Loti, *Pêcheur d'Islande.*
Lavisse, *Histoire de France* (Cours Moyen).

20. **Masterpieces of French Literature:** dictation, conversation and prose composition.

Prerequisite: French 10.

3 hours per week: 3 credits.

PROFESSORS BONDY, ST. ANNE, MÉRAS AND MR. COLLIN.

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.*
Shanks and Méras, *French Composition*, Lessons 1-18.
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.

PROFESSORS BONDY, ST. ANNE, MÉRAS AND DR. MÉRAS.

Text-books: Racine, *Britannicus.*
Moliere, *Le Misanthrope.*
Montesquieu, *Les Lettres Persanes.*
Schinz, *La Vie et les Oeuvres de J. J. Rousseau.*
La Triade Française (Heath).
DesGranges, *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, *Cinq Scènes de la Comédie Humaine*, or *Eugénie Grandet*, or *Le Père Goriot.*
Bowler, *Stories by Contemporary French Novelists.*
Lanson and Desseignet, *La France et sa Civilisation.*

37. **French Conversation:** a course in practical spoken French. Open to students taking 30 or 200. Not given in 1924-25.

2 half-hours per week: ½ credit.

PROFESSOR MÉRAS.

40. **The French Drama:** conversation and free composition. Given in 1924-25. See French 48 below.

Prerequisite: French 30.

3 hours per week: 3 credits.

PROFESSORS BONDY, ST. ANNE AND MÉRAS.

Text-books: Corneille, *Cinna.*
Racine, *Phèdre.*
Voltaire, *Zaïre.*
Hugo, *Ruy Blas.*
Musset, *Comédies.*
Dumas, *La Question d'Argent.*
Rostand, *Cyrano de Bergerac.*
Hervieu, *La Course du Flambeau,* or De Curel, *La Nouvelle Idole.*
Brieux, *Blanchette.*
Collateral Reading: Molière, *Les Femmes Savantes.*
Beaumarchais, *Mariage de Figaro.*
Vigny, *Chatterton.*
Augier, *Le Fils de Giboyer.*
Scribe, *La Bataille des Dames.*
Pailleron, *Le Monde où l'on s'ennuie.*
Donnay, *Les Amants,* or Bornier, *La Fille de Roland.*
Maeterlinck, *Pélléas et Mélisande.*

47. **French Conversation, Advanced:** a continuation course in spoken French. Open to students taking French 40, 300 or 400.

2 half-hours 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 1924-25.

Prerequisite: French 30.

3 hours per week: 3 credits.

PROFESSOR SHANKS.

49. **French Poetry:** its evolution and its influence upon English literature. Conversation and critical reports in French. Counts as 40 but will not be given in 1924-25.

Prerequisite: French 30.

3 hours per week: 3 credits.

Only one of French 40, 48, 49, will be given in any one year.

Text-books: Des Granges, *Morceaux Choisis.*
Canfield, *French Lyrics.*
Gauthier-Ferrières, *Anthologie des Ecrivains Français Contemporains.*
Des Granges, *Histoire de la Littérature Française.*
Brunetière, *L'Evolution de la Poésie Lyrique en France au XIXe Siècle.*

Honour Courses

The Honour Course aims at developing in the student: (1) An intelligible and facile pronunciation of French; (2) A knowledge of grammar and syntax required for teaching the elements of the language; (3) A rapid and accurate ability in reading French of various styles; (4) Sufficient familiarity with the content of French literature and the terminology of criticism and literary history for beginning graduate work in Canadian or American Universities. The courses are conducted to a large extent in French. Notable deficiency in pronunciation at the end of the first year will bar the student from continuing the Honour Course.

100. **Modern French Literature:** conversation, dictation and prose composition. Prescribed for honour courses in Modern Languages and Romance Languages, and optional for honours in English and History.

3 hours per week: 3 credits.

PROFESSORS ST. ANNE AND MÉRAS.

Text-books: Mérimée, *Carmen* and Other Stories.
Daudet, *Tartarin sur les Alps.*
Loti, *Ramuntcho.*
Pailleron, *Le Monde où l'on s'ennuie.*
France, *Le Crime de Sylvestre Bonnard.*
About, *Le Roi des Montagnes.*
Balzac, *Le Curé de Tours.*
Musset, *Comédies.*
Lavisse, *Histoire de France (Cours Moyen).*
Wells, *A Century of French Fiction.*
Shanks and Méras, *French Composition for Colleges,* Lessons 1 to 18.
Lancaster, *Principal Rules of French Pronunciation.*

200. **The Literature of the Seventeenth Century:** French Classical Drama (second semester), lectures, reading, discussion, dictation and reports. Prescribed for honours in Modern Languages, Romance Languages; optional for Honours in English and History.

Prerequisite: French 100.

3 hours per week: 3 credits.

PROFESSOR MÉRAS.

Text-books: Schinz and King, *Seventeenth Century French Readings,* in toto.
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.*
Lanson and Desseignet, *La France et sa Civilisation.*
References: Crane, *La Société Française au 17ième Siècle.*
Wright or Abry-Audic-Crouzet, etc.

201. **Prose Composition and Conversation.**
Prerequisite: French 100.
1 hour per week: 1 credit.

PROFESSOR MÉRAS.

Text-books: Shanks and Méras, *French Composition for Colleges*, Lessons 19 to 36.
Fraser and Squair, *French Grammar, Part II.*

300. **The Literature of the Eighteenth Century:** lectures, reading, discussion, dictation and reports in French. Prescribed for Honours in Modern Languages and Romance Languages; optional for Honours in English and History.
Prerequisite: French 200.
3 hours per week: 3 credits.

PROFESSOR SHANKS.

Text-books: Montesquieu, *Lettres Persanes.*
LeSage, *Turcaret, Gil Blas.*
Voltaire, *Contes, Lettres, Dictionnaire Philosophique.*
Marivaux, *Comédies.*
Diderot, Selections.
Rousseau, Selections.
B. de St. Pierre, *Paul et Virginie.*
Beaumarchais, *Le Barbier de Séville, Le Mariage de Figaro.*
Chateaubriand, *Atala.*
Mme. de Staël, *De l'Allemagne.*
Taine, *L'Ancien Régime.*
Faguet, *Dix-huitième Siècle.*
Desgranges, *Histoire de la Littérature Française.*
References: Lanson, *Histoire de la Littérature Française, Petit de Julleville*, etc.

301. **French Composition and Conversation.**
Prerequisite: French 201.
1 hour per week: 1 credit.

PROFESSOR MÉRAS.

Text-book: Fraser and Squair, *French Grammar, Part II.*
Composition exercises based upon French 302.

302. **French Civilization:** its social, political, industrial and aesthetic evolution; a background course for students of French. Required for Honours in Romance Languages.
Prerequisite: French 300, or 30.
2 hours per week: 2 credits.

DR. C. L. SHANKS.

Text-books: Rambaud, *La Civilisation Française.*
Hourticq, *L'Art en France.*
Jago, *La France qui travaille.*
Reference Books to be announced.

400. **The Literature of the Nineteenth Century:** lectures, reading, conversation and essays in French; prescribed

for Honours in Modern Languages and Romance Languages; optional for Honours in English and History.

Prerequisite: French 300.

3 hours per week: 3 credits.

PROFESSOR SHANKS.

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. Bergerat.*
Desgranges, *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-books: Armstrong, *Syntax of the French Verb.*
Crouzet, *Grammaire Française* (Didier).

402a. **Phonology and Morphology of Old French:** lectures, translation, reports.

Prerequisite: French 302.

2 hours per week one term: 1 credit.

PROFESSOR MÉRAS.

Text-books: Luquiens, *An Introduction to Old French Phonology and Morphology.*
Paris, *La Littérature au Moyen Age.*
Clédat, *La Chanson de Roland.*
Langfors, *Le Vair Palefroi* (Champion).
Suchier, *Aucassin et Nicolette.*

402b. **The Literature of the Sixteenth Century:** lectures, translation, reports.

Prerequisite: French 402a.

2 hours per week one term: 1 credit.

PROFESSOR MÉRAS.

Text-books: Des Granges, *Morceaux Choisis.*
Darmsteter-Hatzferd, *Le Seizième Siècle en France.*
Besant, *Readings in Rabelais.*
Montaigne, *Essais.*
Faquet, *Le Seizième Siècle.*

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, conversation, dictation; prescribed for first year students in Honour Romance Languages. Given in 1925-26; not in 1924-25.

3 hours per week: 3 credits.

PROFESSOR SHANKS.

Text-books: Phelps, *Italian Grammar.*
Wilkins, *Italia.*
Wilkins-Altrocchi, *Italian Short Stories.*
De Amicis, *Cuore.*
Manzoni, *I Promessi Sposi.*

200. Grammar, conversation, dictation, composition; prescribed for Honours in Romance Languages.

Prerequisite: Italian 100. Given in 1924-1925.

3 hours per week: 3 credits.

Text-books: Phelps, *Italian Grammar.*
Oxford Book of Italian Verse.
Dante, *Vita nuova, La Divina Commedia.*

500. **Italian Literature During the Renaissance:** selection from Petrarch, *Le Rime;* from Boccaccio, *Il Decamerone;* from Pulci, Boiardo, Ariosto and Tasso (Ford's *Italian Romances of Chivalry*); Oxford Book of Italian Verse. A course for the Master's degree. Not given in 1924-1925.

Prerequisite: Italian 200.

3 hours per week: 3 credits.

PROFESSOR SHANKS.

SPANISH

100. **Elementary Course:** grammar, pronunciation, dictation, conversation, collateral reading, translation, memoriza-

tion of short fables and poems. Prescribed for first year students in Romance Languages Honours 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.

DR. MÉRAS.

Text-books: Hills and Ford, *First Spanish Course.*
Schevill, *A First Reader in Spanish.*
Alarcon, *El Sombrero de Tres Picos.*
Perez Escrich, *Fortuna.*
Carrion y Aza, *Zaragueta.*
Valdes, *La Hermana San Sulpicio.*
References: Ford, *Spain and the Spaniards.*
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.

MR. COLLIN.

Text-books: Moratin, *El Si de las Niñas* (Ginn).
Duque de Rivas, *Don Alvaro* (Escritores Castellanos).
Garcia Gutiérrez, *El Trovador* (Heath).
Hartzenbusch, *Los Amantes de Teruel* (Heath).
Tamayo y Baus, *Lo Positivo* (Heath).
Zorrilla, *Don Juan Tenorio.*
Nuñez de Arce, *El Haz de Leña* (Heath).
Echegarey, *O Locura o Santidad* (Heath).
Hills and Morley, *Modern Spanish Lyrics,* pp. 26-150.

201. **Grammar, Composition and Conversation.**
Prerequisite: Spanish 100 or equivalent.
1 hour per week: 1 credit.

MR. COLLIN.

Text-books: Crawford, *Temas Españoles.*
Ramsey, *Spanish Grammar.*

202. **Readings in History of Spain.**
Prerequisite: Spanish 100 or equivalent.
1 hour per week: 1 credit.

MR. COLLIN.

Text-books: Romero-Navarro, *Historia de España.*
Altamira, *Historia de España* (Selections).

300. **The Spanish Novel:** lectures, reading, translation, discussion, reports.

Prerequisite: Spanish 200 or equivalent.

2 hours per week: 2 credits. MR. COLLIN.

Text-books: *El Conde Lucanor* (Selections in Menendez-Pidal Antologia).
La Celestina (Selections in Menendez-Pidal).
Lazarillo de Tormes (Selections in Menendez-Pidal).
Cervantes, *Novelas Ejemplares* (Holt).
Padre Isla, *Gil Blas* (Heath).
Alarcón, *El Capitán Veneno.*
Valera, *Pepita Jimenez.*
Valdés, *José* (Heath).
Galdós, *Doña Perfecta,* or *Marianela.*
Blasco Ibáñez, *La Barraca.*
Reference Books: Ticknor, *History of Spanish Literature.*
Fitzmaurice-Kelly, *History of Spanish Literature.*
J. D. M. Ford, *Main Currents of Spanish Literature.*
Menendez y Pelayo: *Orígenes de la Novela.*
Gonzalez Blanco, *Historia de la Novela en España.*
La Literatura Española en el Siglo XIX.

301. **Grammar, Composition and Conversation.**

Prerequisite: Spanish 201 or equivalent.

1 hour per week: 1 credit.

MR. COLLIN.

Text-books: Cool, *Spanish Composition.*
Ramsey, *Spanish Grammar.*

302. **Twentieth Century Prose and Verse:** lectures, reading, translation, discussion, reports.

Prerequisite: Spanish 200, 202.

2 hours per week: 2 credits. MR. COLLIN.

Text-books: Marquina, *Las Hijas del Cid.*
Benavente, *Tres Comedias* (Heath).
Linares Rivas, *El Abolengo.*
Quinteros, *Doña Clarines, Manana del Sol* (Heath).
Ramon del Valle, *Inclan, La Cabeza del Dragon.*
Martinez Sierra, *El Palacio Triste, Canción de Cuna.*
Selections from Machado, Jimenez, etc.
Spanish Lyrics, pp. 151-224.
References: Mendenez y Pelayo, *Antologia de Poetas Liricos Castellanos.*
Antologia de Poetas Hispano-Americanos.
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.

3 hours per week: 3 credits.

MR. COLLIN.

Text-books: Cervantes, *Don Quijote* (Heath).
Lope de Vega, *Amar sin Saber a Quien* (Holt).
Tirso de Molina, *Don Gil de las Calzas Verdes* (Holt).
Luis de Guevara, *El Diablo Cojuelo* (La Lectura).
Guillen de Castro, *Las Mocedades del Cid* (La Lectura).
Ruiz de Alarcón, *La Verdad Sospechosa* (La Lectura), or *Las Paredes Oyen* (Holt).
Quevedo, *Vida del Buscon* (La Lectura).
Calderón de la Barca, *La Vida es sueño* (American Book Co.).
El Alcalde de Zalamea (Heath).
References: 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.

MR. COLLIN.

Reference: Bello-Guervo, *Gramática Castellana.*

402. Spanish Ballad Poetry.

Prerequisite: Spanish 302 or equivalent.

2 hours per week: 2 credits.

MR. COLLIN.

Text-books: Morley, *Spanish Ballads* (Holt).
Selections from: *El Romancero* (Rivadeneyra).
Poema de Mio Cid (La Lectura).
References: Mendenez y Pelayo, *Antología de Poetas Líricos Castellanos.*

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.

MR. COLLIN.

Text-book: Ford, *Old Spanish Readings* (Ginn).
Menendez Pidal, *Manual de Gramática Histórice Española.*
Hannsen, *Gramática Histórica.*

THEOLOGICAL OPTIONS

Offered by Huron College.

Apologetics

DR. 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.*
Hedlam, *The Miracles of the New Testament.*

31. **Christian Theism.** Belief in the existence of God; arguments:

(a) Cosmological.
(b) Teleological.
(c) Morals.

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 course presupposes 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 ANDERSON

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.**

(1) The early period to 1603;

(2) The later period from 1603 to the present time, including lectures on the modern expansion of the Church.

2 hours per week: 2 credits.

Text-books: Overton, *The Church in England, Two Volumes.*
References: Stephens and Hunt, *History of the Church of England, Eight Volumes.*

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,	Professor
J. D. DETWILER,	Assistant Professor
H. BATTLE, B.A.,	Assistant
C. MCCALLUM,	Student Demonstrator
H. BERDAN,	Student Demonstrator
J. L. CALLAGHAN,	Student Demonstrator
N. E. WRIGHT,	Student Demonstrator
E. 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 course taken.

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

2 lectures and 4 laboratory hours per week for one term: 2 credits.

Prerequisites: Junior Matriculation.

PROFESSOR ROBERTSON AND ASSISTANTS.

Text-books: Shull, *Principles of Animal Biology.*
Shull, *Laboratory Directions in Principles of Animal Biology.*

20. **Invertebrate Zoology:** for second year General Course students and for Medical 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: for Medical students, Botany 10; for Arts students, Zoology 10 and Botany 10.

PROFESSOR DETWILER.

Text-books: Kerr, *Zoology for Medical Students.*
Hyman, *A Laboratory Manual for Elementary Zoology.*
Van Cleave, *Invertebrate Zoology.*

21. **Comparative Anatomy:** for Medical 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 20.

PROFESSOR ROBERTSON AND ASSISTANTS.

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, for one term: 2 credits.

Prerequisites: Zoology 10 and Botany 10.

PROFESSOR ROBERTSON AND ASSISTANTS.

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. For General Course students.

2 lectures and 4 laboratory hours per week for one term: 2 credits.

Prerequisites: Zoology 20 and Botany 20.

PROFESSOR DETWILER.

References: Ward and Whipple, *Fresh-Water Biology.*
Needham and Lloyd, *Life of Inland Waters.*
Shelford, *Animal Communities of Temperate America.*
Comstock, *Manual for the Study of Insects.*
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. For General Course students.

2 lectures and 4 laboratory hours per week for one term: 2 credits.

Prerequisites: Zoology 20.

PROFESSOR DETWILER.

Text-books: Comstock and Kellogg, *Insect Anatomy.*
Comstock, *Manual for the Study of Insects.*

32. **Elementary Embryology:** for General Course students, a course dealing with the elementary principles of animal development.

2 lectures and 4 laboratory hours per week for one term: 2 credits.

Prerequisites: Zoology 22.

PROFESSOR ROBERTSON AND MISS BATTLE.

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 for one term: 2 credits.

Prerequisite: Zoology 20 or Zoology 22.

PROFESSOR ROBERTSON AND MR. MCCALLUM.

Text-books: Jennings, *Behaviour of the Lower Organisms.*
Sharpey-Schafer, *Experimental Physiology.*
Babcock and Collins, *Genetics Laboratory Manual.*

34. **Evolutionary Zoology:** for General Course students a lecture and demonstration course dealing with the evidence for, course of, and theories of evolution in the animal kingdom.

2 lectures a week for one term: 1 credit.

Prerequisites: Zoology 10.

PROFESSOR ROBERTSON.

Text-book: Newman, *Readings in Evolution, Genetics and Eugenics.*

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.

PROFESSOR ROBERTSON AND MISS BATTLE.

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.

PROFESSOR DETWILER.

Text-books: Van Cleave, *Invertebrate 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.

PROFESSORS ROBERTSON AND ASSISTANTS.

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.

PROFESSOR DETWILER.

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.

PROFESSOR ROBERTSON.

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 Biology, Honour Science; a course dealing with animal reactions, physiological principles, and other experimental work, including Genetics.

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

Prerequisites: Zoology 300 and Botany 300.

PROFESSOR ROBERTSON AND MR. MCCALLUM.

References: Jennings, *Behaviour of the Lower Organisms.*
Schaeffer, *Ameboid Movement.*
Mast, *Light and the Behaviour of Organisms.*
Loeb, *Forced Movements, Tropisms and Animal Conduct.*
Davenport, *Experimental Morphology.*
Bayliss, *Principles of General Physiology.*
Morgan, *Regeneration.*
Sharkey-Schafer, *Experimental Physiology.*

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.

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

Prerequisites: Zoology 300 and Botany 300.

PROFESSOR DETWILER.

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.

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

Prerequisites: Zoology 300 and Botany 300.

PROFESSOR ROBERTSON AND MISS BATTLE.

Text-book: Jordan, *Text-book of Histology.*

404. **Embryology:** for Honour Biology students; a course dealing with the embryology of animals.

2 lectures and 6 laboratory hours per week for one term; 2½ credits.

Prerequisites: Zoology 300 and Botany 300.

PROFESSOR ROBERTSON AND MISS BATTLE.

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.

PROFESSOR ROBERTSON.

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.

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

Prerequisites: Zoology 300 and Botany 300.

This course is optional with 200 and 402, for students who intend to pursue further work in Entomology in this or some other university.

PROFESSOR DETWILER.

Text-books: Comstock, *Elementary Morphology of Insects.*
Comstock, *Manual for the Study of Insects.*
Comstock and Kellogg, *Insect Anatomy.*

DEGREES CONFERRED IN 1923

Master of Arts

Wilbert Harold Dalgleish.
Rose Klinkhamer (Sr. Bonaventure).
Jean Thompson Neville.
Catharine Mary Sabine.

Bachelor of Divinity

Bernard Seasbury Robinson.

Diploma of Public Health

Wallace Crawford.
Albert Josiah Slack.

Bachelor of Arts

(UNIVERSITY COLLEGE)

Albert Beverly Baker.
Helen Irene Battle.
Willard Chamberlain Beamer.
Julius Berger.
Thomas Wilson Cowley.
Helen Margaret Davey.
Ruth Helen Davis.
John Alexander Dochstader.
Melville Fowler Gladman.
James Gordon Gorwill.
Marion Grange.
Fred Harvey Hitchins.
Edythe Kerrigan.
Mary Alexandra Kilbourne.
Richard William Delmar Lewis.
James Stuart McGregor.
Frank Alistair McHardy-Smith.
Helen Elizabeth McIntosh.
Alexander Douglas MacWilliam.
Bruce Dewar Nimmo.
Doris Willard Plewes.
Alberta Jean Hanna Rowell.
Clair Smith.
Kenneth Thomson.

Walter Armstrong Thomson, Jr.
Edith Anderson Wainwright.
Jane Wilson Walker.
Walter Ellyatt Webb.
Cecil Augustus Wright.

(URSULINE COLLEGE)

Inez Maria Arosemena.
Blanche Brabazon.
Rietta Mary Cronyn.
Mary Christine Dawson.
Winifred Guinan.
Geraldine McCann.
Eleanor Mary Trizisky.

(ASSUMPTION COLLEGE)

Francis Joseph Bricklin.
Kenneth Edward Cook.
Cornelius Francis Dalton.
Alexander Joseph Denomy.
John Berchmans Flanagan.
Leon William Fury.
Armand Joseph Jacques.
Ernest Joseph Lajeunesse.
Robert Emmet Lowrey.
Walter Peter McKenna.
Wilfred Francis Morrissey.
William Francis Nigh.
Joseph Leo O'Donnell.
Vincent William Walsh.

Doctor of Medicine

Carman Mitchell Lloyd Beatty.
Vincent Ambrose Callaghan.
Malcolm Duncan Campbell.
Lorne Garfield Cargill.
Douglas Gilmore Clendenan.
Rosswell Percival Ingram Dougall.
Hugh Gladstone Fletcher.
Malcolm Campbell Gilbert Fletcher.
Marwood D. Fletcher.
Leo Joseph Girard.
Wesley Harold Gray.

William S. Hodgins.
James Earl Hunter.
Arthur Augustus James.
Frederick William James.
George Howard Jennings.
John Lawrence Kirk.
George Clifford Leckie.
Lester Roderick Lightfoot.
Thomas Roy McLeod.
Myron E. Millar.
Marsh William Poole.
Arthur Raymond Post.
Hilton Hedley Stothers.

Certificate of Public Health Nursing

Pearle Anne Allison.
Ada Brown.
Annabel Hamilton.
Mabel Gertrude Hardie
Jennie Gertrude Jeeves.
Nellie Minerva Laycock.
Mary Euphemia Smith.
Susie Elizabeth Smythe.
Dorothy Taylor.
Ethel Ward.

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