General Information

ORGANIZATION

The University of Western Ontario is composed of three units: the College of Arts and Science (University College), the Medical School and the Institute of Public Health; affiliated with the University are four colleges teaching four-year Arts courses: viz., Assumption College, Windsor; Ursuline College, London; St. Peter's Seminary College of Arts, London; Waterloo College, Waterloo; one Junior College teaching the first two years in Arts only, Alma College, St. Thomas; one theological college, Huron College, London.

HISTORY

Western University, through the efforts of the Bishop of the Diocese of Huron of the Church of England in Canada, received its charter from the Legislature of the Province of Ontario in 1878. The first classes graduated in Arts and in Medicine in 1883.

The Medical School has maintained an unbroken existence since it was first opened. In 1912 control by a joint stock company ceased and the Medical School became a Faculty of the University, under the direct control of the same Board of Governors as the rest of the institution; in 1921 it occupied its present buildings.

The Faculty of Arts, for financial reasons, was forced to close from 1885 to 1895. Revived in the latter year, it was for some time compelled to struggle for existence, but in 1908 its charter was so amended that it became undenominational and was permitted to receive financial assistance from the London City Council. Later, when the student body had increased to such an extent that local finances could not possibly meet the demands, the Province assumed part of the load of current expense. The Kingsmill property, about 260 acres, north of the City of London, was bought in 1917; buildings were erected, and the Faculty of Arts was moved from downtown to the present location in 1924.

The Institute of Public Health was opened in 1912 in a building erected and equipped by the Government of the Province of Ontario and turned over to the University to "aid Medical Education and promote instructional and practical work in Public Health." It became the Faculty of Public Health of the University, the first independent Faculty of Public Health in the British Empire, in 1917.

The name of the University was changed from "Western" to "Western Ontario" by Act of the Provincial Legislature in 1923.

PHYSICAL EXAMINATIONS

A physical examination (including a chest X-ray) by practising physicians under the supervision of the Department of Physical Education is required of students, men and women, of all years. Both the medical examination and the X-ray will be free if they are taken at

the time of registration. Students who have not been examined and X-rayed during this prescribed period will be required to pay **Five Dollars** for late examinations and X-rays.

STUDENT HEALTH INSURANCE

The scheme of health insurance was designed and is operated for the benefit of the students. Its first purpose is to protect any student whose academic year or college course may be jeopardized financially by a serious accident or a prolonged illness. The second is to maintain the health and efficiency of the students. As the student body cannot make a legal contract, the University has made the contract and has also assumed the overhead costs, but the University does not assume any responsibility for claims. This responsibility is borne entirely by the Assurance Company.

No insurance claims will be paid to any student who has not taken the physical examination (including the chest X-ray) for the current year (see page 10).

The maximum claim for one student is $100.00. For the protection however, of students engaged in competitive athletics, the Athletic Association pays the Assurance Company an additional premium and then prepares a list of students for whom special protection is provided to a maximum of $200.00 each. No medical fees will be paid from the funds of the Association unless the obligation has been sanctioned in advance by the Director of Physical Education or the physicians of that department.

Students registered in affiliated colleges and resident in London or St. Thomas, may secure health insurance.

WAR SERVICE COURSES

For the duration of the war, for **all** students in University College War-Service Courses have been prescribed.

For **Men** these courses, requiring at least 6 hours a week, consist of military training in either the C. O. T. C. or the U. N. T. D. On these courses students get credit also for Physical Education 11, 21, 31 or 41, according to the year of registration (see page 156).

For **Women** these courses, requiring at least 2 hours a week, consist of First Aid and Home Nursing or some form of service in the social agencies of the community. No credit for Physical Education can be secured for any of this work. It is non-credit.

UNIVERSITY CONCERT SERIES

The cultural life of the University is enhanced by the provision each year of a series of concerts by artists of high distinction in their several departments of music. The plan provides for at least two concerts during the academic year. The project is subject to the jurisdiction of the University Students' Commission and the Carnegie

Music Fund Committee under the Chairmanship of the President of the University. Each full-time student in the three constituent Faculties (Arts, Medicine, Public Health) is given, in return for the payment of the music fee, a ticket of membership in the series which entitles him or her to admission to all concerts. Members of the governing bodies and of the alumni, together with their families, are admitted to membership upon payment of a fee per person arranged by the Committee for each annual series.

THE LIBRARIES

Since sound learning is impossible without sufficient good books, the library has an important place in a university. There are three libraries at the University of Western Ontario, each of which comes under the central administration of the University Library Board. The three divisions follow the Library of Congress system of classification. The main collection of books, amounting to 134,000, is housed in the Lawson Memorial Library, erected in 1934. The Medical School Library contains more than 29,500 volumes. The library of the Institute of Public Health is maintained as a working collection of books and journals and contains about 1,600 volumes. Thus the combined libraries contain more than 165,000 volumes.

Although this is a fairly large collection and compares favourably in point of numbers with other university libraries in Canada, number of volumes is not the best criterion of a library's value. It would be quite possible to have 150,000 volumes, not one of which would be of value to undergraduate or graduate students; or to have the same number of valuable books made almost unusable because of lack of space in which to consult them. The books on the shelves, their accessibility and condition, the policy of selection, the numbers of current literary and scientific journals, and the reading-room accommodation must also be taken into account. In these particulars the University libraries rank high. Few volumes are on the shelves without a good reason. Books purchased are subject to a rigorous selection policy which takes into account both immediate and prospective value. Reading-room accommodation is adequate at the Medical School, and in the main library there is reading-room space for nearly three hundred students; there are also forty carrels for advanced and graduate students, who may secure permits to enter the stacks on the recommendations of their professors. In an effort to make the collections usable, every student in his first year is required to secure credit in a course of instruction in the use of the library. Students in medicine receive special instruction in the use of medical indexes.

It is impossible for a University library to make exhaustive collections of all kinds of printed material. However, in some respects the libraries of the University of Western Ontario are outstanding. The main library is conspicuously rich in Canadiana, Americana, and books relating to Shakespeare. The nucleus of this material came as a gift in 1918 from the late Dr. John Davis Barnett. There are also important newspaper files, and a large collection of early agricultural journals, as

well as printed and manuscript sources of the social and religious history of Canada. The Medical School library is particularly rich in medical journals and has an extensive collection in the field of medical history.

Students may also have access to the comprehensive and well chosen collections of the London Public Library if they make application. A new modern library building was opened in the autumn of 1940.

DEGREES

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

The degrees at present conferred by the University are:

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

The diplomas and certificates awarded by the University are:

Diploma in Business Administration; Diploma in Public Administration; Diploma in Home Economics; Diploma of Public Health (D.P.H.); Certificate of Public Health Nurse (C.P.H.N.); Certificate of Instructor in Nursing (C.I.N.). Certificate in Hospital Administration (C.H.A.)

Re-Establishment of Ex-Members of the Services

The Minister of Pensions and National Health has the authority under Order-in-Council 5210 to approve, under one of the three following categories, training, including maintenance grant and fees (together with appropriate allowances for dependents), for ex-members of the forces:

I. Vocational, Technical and other Educational Training: refresher courses or courses leading to high school graduation or matriculation, subject to the following restrictions;
   (a) the courses must be **accepted by the Minister** as being training which will fit the student or keep him fit for employment or re-employment or will enable him to obtain better or more suitable employment;
   (b) the student's progress in the courses must **satisfy the Minister;**
   (c) the training is determined by the length of a man's service in the forces, with a maximum of twelve months.

* 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.

II. University, Undergraduate: any discharged person who

(a) has been regularly admitted to a university before his discharge and resumes within one year and three months after discharge a course, academic or professional, interrupted by his service; or

(b) becomes regularly admitted to a university and commences any such course within one year and three months after his discharge; or

(c) for any reason **satisfactory to the Minister** delays resumption or commencement of such course beyond the aforementioned periods.

The opportunity for university training is governed by the length of service. Where progress is satisfactory, the assistance may be continued for as many months, in university, as the man served in the Forces. If the student's progress and ***attainments** in his course are such that the Minister deems it in his interest and in the public interest, the payment of the grant may be extended beyond the period of service to permit the man to complete his course.

However, the grants shall not be continued to any person who fails in more than six credits, two full courses, in any academic year nor to any person who having failed in the six credits or less, also fails in the supplemental examinations next offered by the university in the courses failed.

III. University, Post-Graduate; any discharged person who

(a) has entered upon a post-graduate course, either academic or professional, in a university before enlistment, or was about to do so at the time of his enlistment, or having completed his undergraduate course in a university after his discharge, enters upon a post-graduate course as aforesaid, and

(b) resumes or commences such post-graduate course within

i. one year from his discharge, or

ii. one year from the commencement, next following his discharge, of such course in such university, if his discharge precedes such commencement by not more than three months, or

iii. in the case of a discharged person who completes his undergraduate course after his discharge, as soon as may be after such completion.

But the **Minister** after examining the student's past academic performance and the course to be undertaken or resumed, **must**

*NOTE: "*Attainments*" means unconditioned standing in the top 25% (first quartile) of his class on the final examinations on the full work of the year next preceding the year in which his period of entitlement expires.

approve as a matter of public interest the student's pursuing this course. The payments will be for as many months as the student has served in the forces, but the period of assistance may be extended if the progress and achievements of the student are so outstanding that it is deemed in the public interest that the grant should be continued.

Grants. A "grant" under the provisions of Sections I, II, III above means $60.00 per month in the case of an unmarried person and $80.00 per month in the case of a married person, together with, in either case, such additional monthly allowance for dependents, if any, as provided below, and, in either case, reduced by such amount on account of any pension, wages, salary or other income such person may have received or be entitled to receive in respect of the period for which such grant is paid, as to the Minister seems right.

Additional allowance for person in lieu of wife	$20.00
Additional allowance for one child	12.00
Additional allowance for second child	12.00
Additional allowance for third child	10.00
Additional allowance for each subsequent child not in excess of three	8.00
Additional allowance for parent or parents	15.00

FACULTY OF ARTS AND SCIENCE

Faculty Council

Chairman, THE PRESIDENT

Secretary, THE ASSOCIATE REGISTRAR

DEAN K. P. R. NEVILLE,	*Faculty of University College*
PROFESSOR F. LANDON,	*Faculty of University College*
PRESIDENT V. J. GUINAN,	*Faculty of Assumption College*
REV. J. S. MURPHY,	*Faculty of Assumption College*
MOTHER M. ST. JAMES,	*Faculty of Ursuline College*
MOTHER M. ROSANNA,	*Faculty of Ursuline College*
RT. REV. A. P. MAHONEY, D.P., V.G.,	*Faculty of St. Peter's College*
REV. J. H. POCOCK,	*Faculty of St. Peter's College*
DEAN C. F. KLINCK, PH.D.,	*Faculty of Waterloo College*
PROFESSOR R. J. E. HIRTLE,	*Faculty of Waterloo College*
PRINCIPAL A. H. O'NEIL, M.A., B.D.,	*Faculty of Huron College*
PRINCIPAL P. S. DOBSON, D.D.,	*Faculty of Alma College*

Officers of Administration

University College
(London, Ontario)

Dean
K. P. R. NEVILLE, PH.D.

Secretary
E. G. PLEVA, PH.D.

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

Director of Extension Department
*S. F. MAINE, M.A., B.D., Ph.D.
M. K. INMAN, M.A., PH.D.

Representative on the University Library Board
J. A. GUNTON, PH.D., F.C.I.C.

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

For Officers of Instruction, see pp. 19-32.

*On leave, Military Service.

Alma College

(St. Thomas, Ontario)

Principal

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

Dean of Residence

HELEN HARDY, B.A.

Registrar

HARRIETT JOLLIFFE

For Officers of Instruction, see pp. 19-32.

Assumption College

(Windsor, Ontario)

President

VERY REV. V. J. GUINAN, M.A.

Registrar

REV. J. S. MURPHY, M.A.

For Officers of Instruction, see pp. 19-32.

Holy Names College

(In Affiliation with Assumption College)

(Windsor, Ontario)

Dean

SISTER MARY ELECTA, M.A.

For Officers of Instruction, see pp. 19-32.

Huron College

(London, Ontario)

Principal

REV. A. H. O'NEIL, M.A., B.D.

Dean of Residence

REV. L. A. NELLES, B.A.

For Officers of Instruction, see pp. 19-32.

Ursuline College

(London, Ontario)

Dean

MOTHER M. ST. JAMES, M.A.

Registrar

MOTHER M. ROSANNA, M.A.

For Officers of Instruction, see pp. 19-32.

St. Peter's Seminary College of Arts

(London, Ontario)

Rector

RT. REV. A. P. MAHONEY, D.P., V.G.

Registrar

REV. J. H. POCOCK, B.A.

For Officers of Instruction, see pp. 19-32.

Waterloo College

(Waterloo, Ontario)

President

REV. HELMUT T. LEHMANN, Th.D.

Dean

CARL F. KLINCK, PH.D.

Registrar

ROY J. E. HIRTLE, M.Sc.

For Officers of Instruction, see pp. 19-32.

Officers of Instruction

Session 1944-1945

(The year of first appointment to University Staff is given. A in brackets after a name indicates the staff of Assumption College; C, the staff of University College; P, the staff of St. Peter's Seminary College of Arts; U, the staff of Ursuline College; W, the staff of Waterloo College; H, the staff of Huron College. Unless otherwise indicated the degrees have been granted by the University of Western Ontario.)

SISTER M. AIMÉE DU SACRÉ COEUR (A) — *Instructor in Classics*, Holy Names College

B.A., 1937; M.A., Loyola, Chicago, 1944. 1941

ELNORA EVELYN KELLY ALBRIGHT (MRS. F. S.) (C), *Associate Professor of English*, 545 St. George St.

B.A., Toronto, 1912; Barrister-at-Law, Alberta, 1919; M.A., Chicago, 1926. 1920

RAY LEROI ALLEN (C), *Professor of Physics*, 456 Piccadilly St.

B.A., Mt. Allison, 1917; M.A., *ibid.*, 1919. 1921

RONALD ALEXANDER ALLEN (C), *Professor of German*, 966 Richmond St.

B.A., Toronto, 1921; M.A., *ibid.*, 1922; Ph.D., Chicago, 1928. 1923

SISTER ALOYSIUS MARY (A), *Instructor in Library Science and History*, Holy Names College

B.Ph., Loyola (Chicago), 1934; M.A., De Paul (Chicago), 1937; B.S., Catholic Univ. of America, 1943. 1940

BARBARA ISABELLE ANDERSON (MRS. W. M.) (C), *Instructor in Secretarial Science*, 291 Central Ave.

B.A., 1931. 1944

REV. CHARLES JOSEPH ARMSTRONG (A), *Instructor in Physical Education*

B.A., 1929. 1935

MILDRED MACQUEEN BALDWIN (MRS. F. G.) (C), *Instructor in Physical Education*, 365 St. James St.

D.P.E., Margaret Eaton, 1923. 1941

REV. DESIRÉ BARATH (A), *Professor of Philosophy*, *Assistant Professor of Economics*

B.A., 1936; M.A., Toronto, 1938; Ph.D., *ibid.*, 1941. 1943

*MARY ROSS BARKER (C), *Instructor in Physical Education*, 309 Oxford St.

D.P.E., Margaret Eaton, 1931. 1935

HELEN IRENE BATTLE (C), *Associate Professor of Zoology*, 132 Mamelon St.

B.A., 1923; M.A., 1924; Ph.D., Toronto, 1928; F.A.A.A.S., 1933. 1924

*On leave, C.W.A.C.

CHRISTOPHER JOHN BITTNER (C), *Assistant Professor of Economics*
186 Victoria St.
B.A., Valparaiso, 1916; M.A., Iowa, 1924; Ph.D., *ibid.*, 1932. 1938

SISTER MARIE BLANDINE (A) *Assistant Professor of French*
Holy Names College
B.A., Montreal, 1932. 1943

REV. FRANCIS JOSEPH BRENNAN (U), *Professor of Religious Knowledge*
St. Peter's Seminary
B.C.L., Laval, 1910; S.T.L., Angelicum, Rome, 1911. 1923

REV. FRANCIS LEO BURNS (A), *Associate Professor of Economics*
B.A., 1928; M.A., Michigan, 1939. 1936

JAMES WENDEL BURNS (C), *Professor of Organic Chemistry*
67 Thornton Ave.
B.Sc., New Brunswick, 1916; M.Sc., Queen's, 1921; F.C.I.C., 1924. 1922

REV. ALFRED PAGE CAIRD (A), *Assistant Professor of Philosophy*
B.A., 1937; M.A., Toronto, 1940. 1942

CATHERINE CAMPBELL (C), *Instructor in Library Science*
424 St. George St.
B.A., 1922. 1923

RANDAL HUDIE COLE (C), *Assistant Professor of Mathematics*
8 Audrey Ave.
B.A., 1936; M.A., Wisconsin, 1937; Ph.D., *ibid.*, 1940. 1940

WILLIAM EDWIN COLLIN (C), *Associate Professor of Romance Languages*
R. R. 4, London
L. ès L., Toulouse, 1922; M.A., 1925. 1923

REV. JOSEPH AYLWARD COOK (U, P), *Instructor in Philosophy*
St. Peter's Seminary
B.A., 1921; M.A., Catholic Univ. of America, 1937. 1939

REV. HAROLD LUTHER CREAGER (W), *Instructor in Greek and Religious Knowledge*
B.A., Gettysburg, 1918; B.D., *ibid.*, 1922; S.T.M., *ibid.*, 1932; D.D., *ibid.*, 1942. 1940

JOHN HOWARD CROCKER (C), *Director of Physical Education*
375 Regent St.
M.P.E., Springfield, 1916. 1930

REV. CORNELIUS P. J. CROWLEY (A), *Assistant Professor of English*
B.A., Toronto 1931; M.A., Michigan, 1945. 1944

ROBERT CUMMINGS (A), *Professor of Biology*
15375 Artesian St., Detroit
B.S., Detroit, 1937; M.A., *ibid.*, 1939. 1941

RAYMOND COMPTON DEARLE (C), *Professor of Physics*
1024 Waterloo St.
B.A., Toronto, 1914; M.A., *ibid.*, 1915; Ph.D., *ibid.*, 1919; F.R.S.C., 1944. 1919

JOHN DETWEILER DETWILER (C), *Professor of Applied Biology*
10 Sunset Ave.
B.A., Queen's, 1912; M.A., *ibid.*, 1913; Ph.D., Cornell, 1921; F.A.A.A.S., 1926. 1921

HARRIET DOBSON (MRS. P. S.) (Alma), *Instructor in French*
B.A., McGill, 1901. 1944

REV. PERRY S. DOBSON (Alma), *Professor of Latin*
B.A., Oxon., 1901; M.A., *ibid.*, 1904; D.D., Wesleyan, 1920; Principal of Alma College. 1925

ARTHUR GARRATT DORLAND (C), *Professor of History*
914 Colborne St.
B.A., Queen's, 1910; M.A., Yale, 1911; Ph.D., Toronto, 1927; F.R.S.C., 1935. 1920

REV. ANTHONY JOSEPH DURAND (P), *Instructor in English and French*
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B.A., 1931; M.A., 1939. 1939

ANDREW MONTAGUE ISAACSON ALEXANDER WILLIAM DURNFORD (C),
Associate Professor of Physics
283 Steele St.
B.A., 1925; M.A., 1926; Ph.D., Toronto, 1931. 1930

MOTHER M. EILEEN (U), *Instructor in Mathematics*
Brescia Hall
B.A., 1940. 1939

SISTER MARY ELECTA (A), *Professor of English*
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B.A., Queen's, 1914; M.A., *ibid.*, 1922. 1934

SISTER M. ELISABETH THÉRÈSE (A), *Associate Professor of History*
Holy Names College
B.A., Queen's, 1927; M.A., 1935. 1934

JOSEPH WILLIAM EVANS (A), *Instructor in Classics*
B.A., 1942. 1944

WELLESLEY D. EVANS (W), *Professor of French*
M.A., Toronto, 1922. 1938

MOTHER M. FELICITAS (U), *Instructor in German*
Brescia Hall
1922

REV. THOMAS WEST FLANNERY (U,P), *Associate Professor of Philosophy*
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Ph.L., Angelicum, Rome, 1922; S.T.D., *ibid.*, 1923. 1923

REV. FRANK DESALES FLOOD (A),
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B.A., Toronto, 1935; B.L.S., *ibid.*, 1941. 1943

REV. LEO JAMES FLYNN (U, P), *Instructor in Philosophy*
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B.A., 1926; S.T.D., Angelicum, Rome, 1934; S.S.L., Biblical Institute, 1936. 1936

RIGHT REV. LEONARD MICHAEL FORRISTAL (P),
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SISTER FRANCIS EDWARD (A), *Instructor in Spanish*
Holy Names College
B.A., 1933. 1934

REV. EDWIN CHARLES GARVEY (A), *Professor of Philosophy*
B.A., Toronto, 1928; M.A., *ibid.*, 1932; Ph.D., *ibid.*, 1937. 1937

MARY HAMILTON GILLESPIE (C),
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B.A., 1930; M.A., Columbia, 1941. 1935

VERY REV. VINCENT JOSEPH GUINAN (A),
Professor of Religious Knowledge
B.A., 1920; M.A., Ottawa, 1929; President, Assumption College, 1939. 1924

JOHN ABERDEEN GUNTON (C), *Professor of Chemistry*
309 Huron St.
B.A., McMaster, 1919; M.A., *ibid.*, 1917; Ph.D., Illinois, 1921; F.C.I.C., 1924. 1923

HELEN HARDY (Alma), *Instructor in English and History*
B.A., 1925; Dean of Residence, Alma College, 1942. 1927

NELSON COLLINS HART (C), *Professor of Botany*
959 Maitland St.
B.A., Toronto, 1915; M.A., *ibid.*, 1916; F.A.G.S., 1931; F.A.A.A.S., 1933. 1919

*WALTER BENNETT HARVEY (C),
Associate Professor of Economic and Political Science
B.A., Manitoba, 1914; M.A., *ibid.*, 1928; LL.B., *ibid.*, 1918; Ph.D., Chicago, 1938. 1938

ROY JAMES EDWARD HIRTLE (W), *Professor of Science*
Associate Professor of Mathematics
B.Sc., Dalhousie, 1921; M.Sc., *ibid.*, 1923. 1925

GILBERT RICHARD HORNE (A),
Professor of Economic and Political Science
639 Sunset Ave., Windsor, Ont.
B.A., 1931; M.A., Michigan, 1936. 1931

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253 Huron Street
B.A., Bishop's, 1916; B.Sc., McGill, 1923; M.Sc., *ibid.*, 1924; Ph.D., *ibid.*, 1926. 1928

REV. JOHN MICHAEL HUSSEY (A), *Professor of Classics*
B.A., Toronto, 1932; M.A., Catholic Univ. of America, 1937. 1941

*On leave, 1944-5.

LEONID IGNATIEFF (C), *Instructor in Economics and Russian*
1004 Waterloo St.
B.A., McGill, 1932. 1944

MARK KEITH INMAN (C), *Professor of Economic and Political Science*
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B.A., Acadia, 1925; M.A., Harvard, 1928; Ph.D., *ibid.*, 1938. 1929

SISTER IRENE MARIE (U), *Professor of Home Economics*
Brescia Hall
B.S., Simmons, 1931; M.S., *ibid.*, 1944. 1944

SISTER M. ISABEL OF CARMEL (A), *Instructor in Science*
Holy Names College
B.A., 1941. 1941

SISTER M. ISIDORE (A), *Instructor in Home Economics*
Holy Names College
B.A., Manitoba, 1928. 1940

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

ELEANOR CROYSDALE DOHERTY JARED (MRS. A.) (C),
Assistant Professor of English and French
462 Clarence St.
B.A., 1926; M.A., Toronto, 1929; M.A., Radcliffe, 1930; Ph.D., *ibid.*, 1934. 1930

EDWARD GRAYDON JARMAIN (C),
Assistant Professor of Business Administration
281 Drew Street, Woodstock
B.A., 1936. 1943

HERBERT EDWARD JENKIN (C),
Associate Professor of Romance Languages
561 St. George St.
B.A., London, Kings, 1913. 1929

ALLISON HEARTZ JOHNSON (C),
Assistant Professor of Philosophy and Psychology
R. R. 5, London
B.A., Mt. Allison, 1931; M.A., Toronto, 1932; Ph.D., *ibid.*, 1937. 1937

WALTER H. JOHNSON (C), *Assistant Professor of Zoology*
16 Willingdon Avenue
B.Sc., McGill, 1933; Ph.D., Toronto, 1937. 1943

HERBERT KARL KALBFLEISCH (C), *Associate Professor of German*
569 Cheapside St.
B.A., 1928; M.A., New York, 1930. 1931

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

**Obit.*, March 24, 1945.

CARL FREDERICK KLINCK (W), *Professor of English*
B.A., 1927; M.A., Columbia, 1929; Ph.D., *ibid.*, 1943; Dean, Waterloo College, 1944. 1928

REV. ERNEST J. LAJEUNESSE (A), *Professor of French*
B.A., 1923; M.A., Toronto, 1928. 1928

FRED LANDON (C), *Associate Professor of History*
846 Hellmuth Ave.
B.A., 1906; M.A., 1919; F.R.S.C., 1929; University Librarian, 1923. 1917

†LEWIS BURTON LAUGHLIN (A), *Instructor in Library Science*
B.A., 1938. 1939

REV. FERGUS JOSEPH PATRICK LAVERTY (P), *Instructor in Classics*
St. Peter's Seminary
B.A., 1930. 1942

VIOLET WEBB LEACH (A), *Instructor in English*
1406 Pelissier Street, Windsor, Ont.
L.C.M., London, England, C. of M., 1930. 1943

REV. EUGENE CARLISLE LEBEL (A), *Professor of English*
B.A., Toronto, 1924; M.A., Chicago, 1931. 1941

†REV. EDWARD G. LEE (A), *Professor of History*
Associate Professor of English
B.A., Toronto, 1924; M.A., Chicago, 1943. 1929

REV. HELMUT T. LEHMANN (W), *Professor of Divinity*
B.A., Saskatchewan, 1937; Th.D., Erlangen, 1939; President, Waterloo College, 1944. 1944

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

ROY BALMER LIDDY (C), *Professor of Philosophy and Psychology*
443 Regent St.
B.A., Toronto, 1911; M.A., *ibid.*, 1912; B.D., Victoria, 1914; Ph.D., Toronto, 1915; LL.D., Mount Allison, 1931. 1931

GORDON RICHEY MAGEE (C), *Associate Professor of Mathematics*
427 William St.
B.A., 1925; M.S., Chicago, 1926; Ph.D., *ibid.*, 1933. 1927

RIGHT REV. ANDREW PARNELL MAHONEY (P),
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St. Peter's Seminary
Rector, St. Peter's Seminary College of Arts. 1920

*STAR FLOYD MAINE (C), *Associate Professor of History*
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B.A., 1917; B.D., Victoria, 1919; M.A., Chicago, 1922; Ph.D., *ibid.*, 1932. 1926

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*On leave, Military Service. †On leave, 1944-45.

SISTER CLAIRE MAITRE (A), *Instructor in Biology*
Holy Names College
B.A., 1937; B.Sc., 1938. 1938

REV. JAMES FRANCIS MALLON (A), *Associate Professor of Romance Languages*
B.A., Toronto, 1929; M.A., Michigan, 1940. 1935

MOTHER M. MARIE (U), *Professor of French and Spanish*
Brescia Hall
B.A., 1925; M.A., 1928. 1925

ANNE TERESA MCCARTHY (U), *Instructor in Home Economics*
Brescia Hall
B.S., Chestnut Hill, 1939. 1943

REV. THOMAS JOSEPH MCCARTHY (P), *Professor of English*
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B.A., 1925; M.A., 1933; S.T.B., and S.T.L., Angelicum, Rome, 1930; S.T.D., *ibid.*, 1931. 1933

JOHN K. MCCREARY (C), *Instructor in Philosophy and Psychology*
Huron College
B.A., Wheaton, Ill., 1935; B.Th., Presbyterian Theological Seminary, 1937; M.Th., *ibid.*, 1939; M.A., Toronto, 1942; Ph.D., *ibid.*, 1944. 1944

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36 Victoria St.
B.Sc., Alberta, 1934; M.Sc., *ibid.*, 1935; M.A., Queen's, 1938; Ph.D., Princeton, 1940. 1940

RUSSELL CRAIG MCIVOR (W), *Professor of Economic and Political Science*
B.A., 1937; M.A., Chicago, 1939. 1940

*GORDON HANFORD WHITEHEAD MCKEE (C), *Instructor in Business Administration*
B.Eng., McGill, 1936; M.B.A., Harvard, 1938. 1938

ANNA MARGARET MACLAREN (W), *Professor of History*
B.A., 1934; M.A., Toronto, 1935. 1940

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294 Hyman St.
B.A., 1934; Ph.D., Columbia, 1940. 1943

HERBERT MARSHALL MCLUHAN (A), *Professor of English*
B.A., Manitoba, 1934; M.A., *ibid.*, 1935; B.A., Cambridge, 1936; M.A., *ibid.*, 1940; Ph.D., *ibid.*, 1943. 1944

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B.A., 1930; M.A., 1937. 1930

†FRANCES KATHLEEN MONTGOMERY (C), *Assistant Professor of Romance Languages*
B.A., 1927; M.A., 1928; Dr. de l'U. de Paris, 1930. 1930

*On leave, Military Service. †On leave, C.W.A.C.

REV. JOHN FRANCIS MURPHY (A), *Associate Professor of English and History*
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B.A., 1933; M.A., 1935; Ph.D., Toronto, 1942. 1933

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R. R. 3, London
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; Dean of University College, 1927. 1908

REV. ALEXANDER HENRY O'NEIL (H), *Professor of Hebrew*
Huron College
B.A., 1928; B.D., 1936; M.A., 1943; Principal, Huron College. 1941

THERESA BRIDGID O'REILLY (A), *Assistant Professor of German*
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EUGENE S. J. PAULUS (A), *Instructor in English*
B.A., Catholic Univ. of America, 1928. 1941

ROBERT EDWARD KINGSDOWN PEMBERTON (C), *Associate Professor of Classics*
58 Thornton Ave.
M.A., Oxon., 1922. 1926

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REV. JOHN HERMAN POCOCK (U, P), *Professor of Philosophy*
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B.A., Toronto, 1915. 1920

GEORGE H. POTTS (A), *Instructor in Greek*
B.A., Toronto, 1936. 1942

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Holy Names College
B.A., De Paul, 1925; M.A., *ibid.*, 1926. 1935

ALFRED ERNEST RAYMOND (W), *Instructor in Classics*
B.A., 1935; M.A., Toronto, 1936. 1944

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239 Hale St.
B.A., 1925; M.A., 1928; D.I.C., London, 1936. 1928

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JAMES ANDREW RIKARD (W), *Professor of Philosophy*
B.A., Emory, 1927; B.D., Southern Lutheran Seminary, 1933; M.A., Harvard, 1937. 1937

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454 St. James St.
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210 Huron St.
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WILLIAM KIRBY ROLPH (C), *Instructor in History*
Huron College
B.A., Toronto, 1940; M.A., Brown, 1941. 1944

SISTER M. ROSALIE (A), *Associate Professor of English and Latin*
Holy Names College
B.A., Queen's, 1930; M.A., 1935. 1934

MOTHER M. ROSANNA (U),
Instructor in French, Spanish and Economics
Brescia Hall
B.A., 1933; M.A., Catholic University of America, 1938. 1935

REV. FRANCIS SYLVESTER RUTH (A),
Professor of Chemistry and Physics
B.A., Toronto, 1926. 1936

REV. JOHN PETER RUTH (A), *Professor of Mathematics*
B.A., Toronto, 1930. 1933

MOTHER M. ST. JAMES (U), *Professor of English*
Brescia Hall
B.A., Queen's, 1924; M.A., *ibid.*, 1925. Dean, Ursuline College. 1925

MOTHER M. ST. MICHAEL (U), *Instructor in Economics and Latin*
Brescia Hall
B.A., 1923; M.A., Catholic University of America, 1938. 1938

REV. HERMAN SCHORTEN (W), *Professor of German*
D.D., Hartwick, 1926. 1925

REV. WILLIAM FRANCIS SIMPSON (P), *Professor of French*
St. Peter's Seminary
B.A., 1930; M.A., 1936. 1935

CHRISTIAN SIVERTZ (C), *Associate Professor of Chemistry*
1096 Richmond St.
B.A.Sc., British Columbia, 1923; M.Sc., McGill, 1924; Ph.D., *ibid.*, 1926. 1926

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

JEAN HARDY SPROULE (MRS. J. A.) (C), *Instructor in Secretarial Science*
75 Scott Street, St. Thomas
B.A., 1938. 1940

FRANK STILING (C), *Associate Professor of English*
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B.A., McMaster, 1926; M.A., 1928; A.M., Michigan, 1939. 1928

WILLIAM FERGUSON TAMBLYN (C), *Professor Emeritus of English*
973 Waterloo St.
B.A., Toronto, 1895; Ph.D., Columbia, 1899; Litt. D., 1944. 1901

EDWARD TAUBE (C), *Assistant Professor of German*
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*ROBERT BERKELEY TAYLOR (C), *Instructor in Business Administration*
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B.S., Dartmouth, 1925; M.A., Harvard, 1926; Ph.D., Cornell, 1941. 1944

ADA DOROTHY TURVILLE (C), *Professor of Romance Languages*
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B.A., 1917; M.A., Columbia, 1921; Ph.D., *ibid.*, 1925; certificato della R. Università di Firenze, 1927; Adviser to Women, 1933; Dean of Women, 1942; F.A.G.S., 1943. 1925

SISTER M. VERONICA (A), *Instructor in Mathematics*
Holy Names College
B.A., Queen's, 1929. 1942

ANSON ROBERTSON WALKER (C), *Professor of Plant Pathology*
443 Victoria St.
B.A., Queen's, 1919; M.A., Toronto, 1921; F.A.A.A.S., 1933. 1925

JEAN ISABEL WALKER (C), *Instructor in Public Speaking*
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A.L.C.M. 1920

JAMES KEITH WATSON (C), *Assistant Professor of Chemistry*
45 Mayfair Drive
B.A., McMaster, 1932; M.A., *ibid.*, 1933; M.A., Toronto, 1934; Ph.D., *ibid.*, 1944. 1937

REV. ARTHUR JEROME WEILER (A), *Professor of German*
B.A., Toronto, 1930. 1937

REV. LESTER ALBERT WEMPLE (U, P), *Professor of Philosophy*
St. Peter's Seminary
B.A., 1926; Ph.L., Angelicum, Rome, 1933. 1934

*On leave, R.C.N.V.R. †On leave, C.A.A. ‡On leave, 1944-45.

ROSS BAXTER WILLIS (C), *Professor of Business Administration*
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B.A., Toronto, 1927; M.A., *ibid.*, 1928; Ph.D., *ibid.*, 1933. 1932

ARTHUR WOODS (C), *Professor of Mathematics*
114 Thornton Ave.
B.A., Queen's, 1914; M.A., *ibid.*, 1915. 1920

GARNET ALEXANDER WOONTON (C), *Associate Professor of Physics*
103 Huron St.
B.A., 1925; M.A., 1931. 1931

REV. EDMUND M. YOUNG (A), *Instructor in History*
B.A., Toronto, 1930. 1934

Sessional Appointments

ISABEL MCCRACKEN ALLIN (MRS. R. H.) (C), *Demonstrator in Botany*
836 Colborne St.
B.A., 1931. 1942

HELEN MILDRED ALLISON (C), *Assistant in English*
869 Hellmuth Ave.
B.A., 1924; M.A., Minnesota, 1941. 1924

EDNA JEAN BEBENSEE (C), *Assistant in English*
315 Hyman St.
B.A., 1940. 1944

MARY NETTA BRANDON (MRS. T. B.) (C), *Demonstrator in Psychology*
R. R. 3, London
B.A., 1944. 1944

JAMES FASKEN BRYDON (C), *Demonstrator in Chemistry*
Huron College
B.A., 1944. 1944

CAMPBELL CARLYLE CALDER (C), *Lecturer in Economics*
358 Oxford Street
B.A., 1931; M.A., Toronto, 1933; Barrister-at-Law, 1935. 1935

CECIL CYRIL CARROTHERS (C), *Lecturer in Business Administration*
Picton Apartments
B.A., 1921; Barrister-at-law, 1924; LL.B., 1926. 1928

ELAINE WOODROW CHAPMAN (MRS. C. B.) (C), *Assistant in Secretarial Science*
11 Marley Place
B.A., 1932. 1932

HENRY WILLIAM EDWARD CLEGHORN (W), *Lecturer in Fine Art*
1944

*On leave, R.C.A.F.

REV. GEORGE FRANCIS CHILDS (U), *Lecturer in Religious Knowledge*
St. Peter's Seminary
B.A., 1932; J.C.B., Catholic Univ. of America, 1937; J.C.L., Angelicum, Rome, 1938. 1939

SABINA C. COLE (MRS. R. H.) (C), *Demonstrator in Physics*
8 Audrey Avenue
B.S., Rutgers, 1936; M.A., Wisconsin, 1937. 1941

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R. R. 4, London
B.A., 1928. 1931

ERIC WILLIAM CROSS (C), *Lecturer in Economics*
Court House, Woodstock
M.A., Queen's, 1925; Osgoode, 1928; K.C.; Judge, County Court of Oxford. 1944

NORMA DONLEY (Alma) *Instructor in Physical Education*
1944

ELEANORE CATHERINE DONNELLY (U), *Lecturer in Library Science*
344 Grosvenor St.
B.A., 1939; B.L.S., Toronto, 1941. 1941

MABEL DUNHAM (W), *Lecturer in Library Science*
B.A., Toronto, 1910. 1930

CLARENCE FRASER (C), *Lecturer in Business Administration*
B.A., McGill, 1923. 1944

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243 Epworth Avenue
B.A., 1925; M.A., 1927. 1931

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AUDREY GRAY (C), *Assistant in English*
B.A., 1940. 1942

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B.A., 1941; B.L.S., Toronto, 1943. 1944

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B.A., 1934. 1943

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344 Piccadilly St.
B.A., 1932. 1943

MARK LAFRAMBOISE (A), *Instructor in Mathematics*
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ADELE HARTWELL LEWIS (C), *Demonstrator in Zoology*
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B.A., 1943. 1943

EDITH K. MACDONALD (U), *Student Assistant in Physical Education*
1943

REV. HENRY EDWIN MERIFIELD (H), *Lecturer in Apologetics*
Ingersoll, Ont.
B.A., 1926; B.D., 1937. 1941

MAURICE JOSEPH MULLIGAN (A), *Lecturer in Chemistry*
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REV. DANIEL JOSEPH MULVIHILL (A), *Instructor in History*
B.A., 1937. 1942

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B.A., 1939; Dean of Residence, Huron College. 1941

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B.A., 1944. 1944

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ANDRE DAVID SHARON (A), *Lecturer in French*
B.A., St. Norbert's, 1944. 1944

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B.A., 1934. 1944

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886 Lorne Ave.
L.Th., Huron, 1924. 1935

VIRGINIA E. WITTIG (W), *Instructor in Physical Education*
D.P.E., Margaret Eaton, 1937. 1944

LEONARD WILLIAM WRAY (C), *Demonstrator in Chemistry*
181 Briscoe St.
B.A., 1941. 1944

Objectives

The Arts Faculty of the University is primarily concerned with undergraduate instruction leading to a first degree. The purpose of this instruction is to produce personalities of positive value in their environments. The ideas that should inform this process have been so strikingly stated by a leading educationist* that he may well be quoted:

"The chief needs of public service are five very simple ones; honesty, courage, common sense, knowledge and vision. The character-building forces of the nation—the home, the school, the church, the college—must be depended upon to provide the honesty and the courage. Nature, and nature alone, can furnish the common sense. To honesty, courage and common sense, the University can and should add knowledge and vision.

"The task of the college is, or should be, reasonably definite and well understood. It is to take the youth at about the age when in ancient Rome he put on the *toga virilis* and offer him for three or four years opportunity for carefully directed and supervised study in some part or in many parts of the field of liberal arts and sciences. The purpose of this carefully supervised and directed training is to give him the benefit of his rich human inheritance, so far as that may be practicable, and thereby better to prepare him for such specific task as may await him in the years of mature life. The old days when the substance of this inheritance could be transmitted through a few carefully chosen and prescribed subjects of study have gone forever. They have gone, not because those studies were not excellent in their time, but rather because times have changed and the human inheritance has taken on a more many-sided and richer form than it once was known to have. Nature and its study have offered new and splendid vistas to both knowledge and imagination. The creative arts have unfolded themselves in striking fashion for a century past as educational instrumentalities of highest value. The structure and underlying principles of the social and political order, first examined and interpreted in classic fashion by Aristotle, have now taken on many new forms and guises, each with its own appeal and its own capacity for usefulness. It is for reasons such as these that the task of the college faculty has become more difficult than ever before, since it must, within a very limited time and for youths from all sorts and conditions of home, family and school background and environment, offer that opportunity to understand and to grasp the rich human inheritance which it is the first business of the college to transmit."

*Dr. Nicholas Murray Butler, President of Columbia University.

Regulations

ADMISSION

Candidates seeking admission must present to the Registrar, at least two weeks before the opening of the session they wish to attend, an official statement of the marks on which their certificates were awarded. For the evaluation of other than Ontario certificates a fee of $2.00 is charged. This sum must accompany the certificates, and is not returnable.

A. Grade XII Certificates

A candidate will be admitted to the first year of the General Course in Arts on presentation of a Secondary School Graduation Diploma (or the equivalent), showing satisfactory completion of the following Grade XII subjects:

I. English.
History.

II. Latin or Mathematics.

III. Two of: Mathematics.
Latin.
French.
German.
Spanish or Italian.
Greek.
Science or Agriculture.

IV. One of: Home Economics.
Shopwork.
Commercial Work.
*Music.
Art.
Defence Training.
Option from III not previously chosen.

No Option may be counted more than once.

B. Grade XIII Certificates

A candidate presenting Grade XIII certificates or the equivalent in at least four non-science subjects (not papers), together with the full requirements of A. above, will receive sufficient credit thereon to enable him to reduce the normal length of his course by one year.

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*For the Music option, the following Certificates of the Western Ontario Conservatory of Music will be accepted:
Grade VII, Practical, and Grade II, Theory.

The Grade XIII subjects are:

English (Literature and Composition).
Mathematics (Algebra, Geometry, Trigonometry).
History.
Latin.
Greek.
French.
German.
Spanish.
Italian.
Physical Science (Physics and Chemistry).
Biology (Botany and Zoology).
*Music.

Examinations in these Grade XIII subjects are conducted by the Department of Education at various centres in the Province of Ontario in June of each year.

A candidate is allowed to write on one or more Grade XIII subjects at a time, in any order.

Percentages

In order to secure First Class Honors in a subject a candidate must obtain at one examination at least seventy-five percent. of the marks assigned to that subject, and at least fifty percent. on each paper of that subject; the minimum for Second Class Honors is sixty-six per cent. and for Third Class Honors sixty per cent., other conditions being the same as for First Class.

A candidate who fails to obtain First, Second or Third Class Honors, under the above regulations, may still secure credit in a subject by obtaining at least fifty per cent. on each paper of the subject, not necessarily at one examination.

EQUIVALENT EXAMINATIONS

Certificates of having passed Secondary School subjects parallel to Grade XII or Grade XIII subjects named above may be accepted *pro tanto*, provided always that the standards of these certificates meet the requirements of this University.

The senior local examinations conducted by the University of Oxford and by the University of Cambridge may be accepted instead of Grade XIII (Upper School) standing in the same subjects.

ADVANCED STANDING

From Collegiates.

Candidates presenting Grade XIII certificates in Ancient or Modern Languages, or History, or Mathematics, or the recognized equivalents of such certificates, may be credited with the corresponding subjects in the Junior Groups. For Sciences, see pages 59, 64, 65.

From Universities.

All applications for advanced standing, except on certificates indicated above, must be accompanied by official certificates from the institution where work has been done, and be presented to the Regis-

*For Music, the following Certificates of the Western Ontario Conservatory of Music will be accepted: Grade VIII, Practical, and Grade II, Theory.

trar not later than September 10. These official documents must include a certificate of honourable dismissal from the institution last attended. No student may register in the University of Western Ontario if he may not re-register in the institution from which he wishes to transfer.

ADULT 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 Faculty of Arts of the University, if, in the opinion of the professors in charge, they are qualified to pursue satisfactorily the courses chosen. These special students must satisfy the professors by 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.

An adult special student who has satisfactorily completed the work of a Junior Group 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 presented complete entrance requirements.

REGISTRATION

All students in Arts must register each year in either University College or one of the affiliated Colleges.

Junior Groups

Students presenting either Grade XII or Grade XII and Grade XIII certificates will register in one of the Junior Groups. (See pp. 59, 60). See also pp. 62-66.

Grade XIII standing in any subject will exempt a student from the general course of the first year in the same subject (except the sciences), if that subject is included in a Junior Group. (For details of allowances, see page 59).

Senior Group or Honors.

Students who have completed a Junior Group must register either in one of the Senior Groups (page 61) or in an Honor Course for which they have the specific prerequisites. (See pages 68-87).

Medical Examination.

No registration of any student for any year is complete until the prescribed physical examination has been taken. (See page 10).

Fees.

Fees, at least for the first term, are payable on the day of registration. An extra fee is charged the student who registers later than the day named for his category (page 5), unless a written request for such delay has been approved by the Registrar.

A student whose fees have not been paid to date may not write any midyear or final examinations.

For fees for extra credits, see page 41.

LENGTH OF COURSES

The General, Home Economics, Secretarial Science and Theological Courses are four-year courses for those entering on Grade XII standing, but they can be completed in three years of satisfactory work by a student who presents credits obtained at the examinations of the

Department of Education of Ontario in four Grade XIII subjects (eight papers) corresponding to subjects prescribed in the first year of each course (see page 59). The Honor Courses, except as mentioned below, are five-year courses from complete Grade XII standing, or four-year courses from Grade XIII standing in four subjects. The Honor Courses in Philosophy, except in University College, require four years from complete Grade XII (see pages 84-85).

EXAMINATIONS

General Courses.

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

Students in the General Courses will be ranked in order of merit in each course in six grades, A, B, C, D, E, F. The minimum for Grade A is 75 per cent. of the marks obtainable; for Grade B, 66 per cent.; for Grade C, 60 per cent.; for Grade D, the minimum passing grade, 50 per cent. A mark that falls in Grade E, 40 to 49 per cent., entitles the student to a supplemental, subject to the regulations governing supplementals (see page 38). Grade F, less than 40 per cent., indicates a total failure and the necessity of repeating the course in class.

No student will be admitted to the degree of Bachelor of Arts in the General, the Home Economics, the Secretarial, the Theological or the Teachers' Course who has not obtained at least Grade D on all the prescribed and elective work of his course and who has not obtained at least Grade C on one-half the credits required for a Senior Group, or for the third and fourth years, and Grade C on one-half the credits of his senior year.

Honor Courses.

The regular examinations for the Honor Courses will be held in April; but when an Honor Course or a definite portion of an Honor Course has been completed by the end of the first term, the instructor may set a **final** examination on the completed work. This examination is to be held during the regular January examination period. Third and fourth year Honor classes in which examinations are not set will continue without interruption during the mid-year examination period.

Candidates in the Honor Courses in any department will be ranked in order of merit in that department in four classes; those who obtain 75 per cent. or over of the total number of marks will be placed in Class I; those who obtain 66 per cent. to 74 per cent. will be placed in Class II; those who obtain 60 per cent. to 65 per cent. will be placed in Class III; those who obtain between 50 per cent., the minimum for pass, and 59 per cent., will be placed in Class IV; but an average of Class IV over all the honor subjects of the fourth year (with no failure on any paper) will entitle the candidate to a General and not an Honor degree. (See page 40).

Students in an Honor Course, who do not obtain at least third class standing in the work of the second year, are not permitted to

continue in Honors. Nobody will be admitted to the fourth year of any Honor Course whose record in the third year was not at least second class.

Comprehensive Examinations.

Students entering Honor Courses should observe that the purpose of their college work is not simply the creditable passing of courses, term after term, but the gradual acquisition of a broad and deep knowledge of the chosen subjects and an intelligent appreciation of their bearing upon general knowledge and culture. Various departments of the University College of Arts and Science have introduced comprehensive examinations for Honor students. These examinations, partly oral and partly written, are given at the end of the senior year and cover the broad aspect of the student's Honor Course. They are additional to the course examinations.

Term Work.

In all subjects of the General Course, except the sciences, the ratio of term-work marks to examination marks is 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 examinations. In the sciences the ratio of term-work marks to examination marks is determined by the teaching staff in each subject.

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

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

A student who fails to appear for a paper at the time set in the examination timetable will not be allowed to write on the examination paper thus missed, but will be required to pay a special fee and to write a special examination at a time determined by the Registrar in consultation with the department involved.

SUPPLEMENTALS

A supplemental examination is one set on work in which a student has been conditioned (40 to 49 per cent.). This examination will be held in August for those who have been conditioned in the first term or in the second term or in the work of the whole year in any course. (See second paragraph under **Failures,** page 39).

Students conditioned at the January or April examinations should attempt to remove their conditions at the supplemental examinations of the next August. If the conditions are not removed the **whole course** must be repeated **in class.**

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

Students whose grade is F (less than 40 per cent.) in any course may not write a supplemental. They must repeat the course in class.

No supplemental examination will be allowed in Honor subjects except those offered as options by General Course students to complete the requirements of their courses.

SPECIAL EXAMINATIONS

A special examination is any examination other than the regular examination in the course involved, January, April or August. No special examination may be assigned except on recommendation of the head of the department concerned, after consultation with the instructor involved. (Often students should be advised to adopt the alternative of repeating the lectures and taking the next regular examination without fee.)

No General Course student may write special examinations on more than four credits of work in one academic year. No Honor Course student may write a special examination in any academic year if he has failed in more than one Honor examination paper or has secured less than 35% on one Honor examination paper.

All special examinations will be held during the first full week in September. No special examination will be set within three months of failure.

A special examination may be written only at the college in which a student is registered.

FAILURES

A student who fails at any mid-year examination in one-third of his registered credits may be dropped from the University for the second term of the year, but he may re-register for the following winter session. No credit will be given for the part of his work successfully carried in the first term unless in a course that has been completed.

A student who fails 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 at the lectures in the course in which he has failed. **The student must repeat that course, if it is prescribed, the year after failure no matter what subject or subjects must be postponed.** General Course.

A student may take no course oftener than twice.

Subjects which depend directly upon the work of a preceding year may not be taken by a student who has failed in the work of the preceding year.

A student who has not by regular examinations, supplementals and/or specials, cleared two-thirds of the credits of his final approved registration for any academic year, must withdraw from the University for at least one year.

No work may be taken in the Senior Groups until the work of a Junior Group has been completed.

Honor Course. A candidate in an Honor Course who, at the examination for the degree of Bachelor of Arts, fails to obtain the requisite average for Honors (60), provided he has obtained 50 per cent. in each course of his final year, may, on the recommendation of the Committee on Academic Standing, be awarded a degree in the General Course. The candidate may write a subsequent examination for the Honor degree.

English Language. Any student of the third or fourth year who shows an unsatisfactory knowledge of spoken or written English must take English 21, or a similar course, and remove his condition.

FEES

A student on admission each year, by his registration, subscribes to the regulations as announced from time to time in the University official announcements. On registration day his total fees, except examination and degree fees, become due and payable. While the payment of these fees, by agreement, may be divided into instalments, no student without such agreement **in writing** may attend any class session or lecture or laboratory. No student shall, except by special permission of the Dean of a Faculty, present himself for any examination test until his current fees are paid in full. Nor shall any student be recommended for any certificate, diploma or degree until his tuition fees and other accounts owed to the University are paid.

ATTENDANCE AT LECTURES

First and second year students who have attended less than 80 per cent. of the lectures in a course **for any term** shall be debarred from taking the regular examinations on that course. This rule holds for all courses numbered in the tens or the twenties or the two hundreds regardless of the year of a student's registration in the University.

A student, to be eligible for a degree, must have attended classes in this University for two academic years or for one academic year and two summer schools or for six summer schools.

APPEALS

The Senate has made regulations governing appeals by students. A copy of these regulations may be seen in the Registrar's office.

CONDUCT

Students are required to conduct themselves in an orderly manner in all parts of the University premises at all times.

No student will be registered in any year, or be allowed to continue in attendance after registration, if his presence is considered prejudicial to the interests of the University. Registration in any year does not entitle a student to registration in a subsequent year.

The Dean may suspend any student until his case has been considered by the Administrative Council.

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 Junior Groups 2, 3 and 4 for students who present complete admission requirements without Greek. Credit towards a degree for this preparatory course will not be given unless it is supplemented by at least two other years of Greek, either New Testament or Classical.

A course that is an optional course need not be given unless it is elected by at least five students.

A student may take only three credits more than the number required for the academic year in which he is registered. Permission to take more than three extra credits may be given by the Committee on Academic Standing. For extra credits taken by permission of this Committee, an extra tuition fee of $10.00 a credit and the usual laboratory and caution fees will be charged.

The name of the University may not be used in any publication without the permission of the Administrative Council. No class or group of students may engage in any public effort as a body representing the University or any organization within the University, without the permission of the Administrative Council.

The constitution of any proposed club or society must be approved by the Administrative Council before such organization can be recognized.

Teachers' Course

University College offers under the three departments listed below a course for those who for various reasons find it impossible to attend the winter sessions for all the work necessary for a degree in Arts. For outline of course see pages 66-68.

I. EXTRAMURAL DEPARTMENT

An extramural course is one which a student may pursue without attending classes (except as provided below), but in which he must 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 corresponding intramural courses.

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

No student may take intramural and extramural work concurrently.

Courses in the Sciences (including Psychology), in the elements of any foreign language, and honor courses not also given as pass courses, are not given extramurally. Students pursuing extramural courses are subject to the same regulations about exercises, essays, examinations, etc., as those pursuing intramural courses.

II. SUMMER SCHOOL

London. University College offers in London a summer session which opens in the first or second week of July and continues thereafter for six weeks.

The subjects offered in the Summer School are taken from the courses of the winter session for General Course students, or from the Teachers' Course. No Honor course will be offered in Summer School unless it is also part of the General Course.

A student who attends six summer sessions and obtains twenty-four credits for work taken therein satisfies the residence requirement demanded for graduation from this University. Credits obtained by attending classes conducted by the Extension Department (see below) may be included in this number.

Complete information about 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 to the Director of the Summer School and Extramural Department.

Trois-Pistoles, P.Q. University College also conducts at Trois-Pistoles, Quebec, an eight weeks' Summer School in French Conversation for English-speaking students and in English Conversation for French-speaking students. The session opens during the first week in July. Information may be obtained from the Registrar or from the Director of the French Summer School.

III. EXTENSION DEPARTMENT

During the winter session, the University conducts regular weekly credit classes in several centres in Western Ontario. These classes are taught by members of the University staff, and a student who satisfies the attendance requirement and passes the regular University examinations will obtain credit for the courses. For further information write to the Director of the Extension Department or to the University Registrar.

Public School Inspectors' Certificates

By agreement with the Minister of Education the work described below satisfies the academic requirements for a Public School Inspector's Certificate:

(1) An Honor Degree in Arts or Science in accordance with the present agreement as prescribed for Specialist qualifications (see page 43); or

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

A candidate shall extend his course over at least four years from Junior Matriculation and he shall attend the University classes (a) for at least two complete winter sessions approved by the University, or (b) for at least one complete winter session, and two complete sessions of the Summer School, or (c) for at least six complete sessions of the Summer School or the equivalent thereof. His work must be supervised as prescribed in the agreement between the Department of Education and the University.

For the professional requirements candidates should consult the Department of Education, Toronto, Ont.

High School Assistants' Certificates

I. Ordinary Certificates

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

II. Specialist Certificates

Subject to the conditions specified below, an Honor degree in Arts or in Science (60 per cent.) is the academic standing for admission to the qualifying examinations leading to High School Specialist Certificates in Classics, Commerce, English, English and French, English and Latin, French and German or Spanish, History, Latin and French, Mathematics and Physics, Science.

Each candidate for a Specialist's Certificate must also obtain Honor standing (at least 75%) at the qualifying examination held annually in November at the Ontario College of Education. This examination is based on the High School courses prescribed for the current year in the subjects represented in the Specialist course to which the candidate seeks admission.

For the University of Western Ontario, the courses in the departments specified above shall be the Honor Courses as defined in the Announcement of the Faculty of Arts and Science for 1945-1946.

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

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

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

NOTE: Graduates in general or pass courses who wish to obtain specialist standing should consult a special pamphlet to be obtained from the Registrar.

The Master's Degree

Academic Qualifications.

A candidate must be a graduate in Arts, Science or Medicine of this or some other accredited university. A graduate in an Honor Course in Arts and Science or in Medicine must have obtained at least 66% in the last two years of his course. A graduate in a General Course must have obtained in the last two years at least 66% of the total marks possible. He must spend one year in residence raising his standing to that of an Honor graduate: sixteen credits, chosen on the advice of the Dean and the heads of the departments concerned, must be completed with an average of at least 66 per cent. This year does not satisfy the attendance requirement (mentioned below) imposed on all candidates for the Master's degree.

Graduates of accredited universities will be accepted as candidates for the degree after they have presented to the Registrar official evidence that they have obtained the degree of B.A., B.Sc. or M.D., and that their standing in the last two years of their courses corresponds to the standard described in the preceding paragraph.

Graduates of other Faculties may be given special consideration, if their qualifications warrant.

It is essential that the candidate for an M.Sc. degree have a reading knowledge of scientific French and German; if he lacks this qualification he shall be required to take a course in the necessary language as a minor subject.

Each candidate must register and pay his fees to the Bursar not later than October 10th.

Period of Study.

The duration of the course is one year in residence for full-time students or two years in residence for those holding teaching or demonstrating appointments. Hospital internes may not be admitted to the course, in view of the limited time available apart from their duties. No courses taken by correspondence shall count toward an M.A. or an M.Sc. degree.

Course of Study.

The course may comprise one major subject, or a major subject and one minor subject, or a major subject and several minor subjects; the language requirement will, as stated, constitute a minor subject. Major and minor subjects may be taken, without restrictions, in the Faculty of Arts and Science or the Faculty of Medicine or both faculties. Both written and oral examinations shall be taken in the major subject; written examinations only shall be taken in the minor subjects.

Before his registration the candidate will choose his major subject; on the advice of the head of the department chosen he will then select his minor subject or subjects. The Councils of the Faculties of Arts and Science and of Medicine, separately or jointly, as suitable, will then appoint a supervisory committee.

At least 12 university credits must be satisfactorily completed in the course. A thesis in the major subject shall normally be required, and from 3 to 8 credits may be allowed for it. The examinations will be held during the regular examination periods. A representative of another department may be invited to attend the oral examination in the major subject. A candidate must attain a standing of at least 66% on his thesis, as well as on all written and oral examinations.

Each candidate must submit to the Registrar, through his supervisory committee, an outline of his proposed thesis, if any, not later than January 2nd. Thesis.

Two typewritten or printed copies 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 $20, of which $10 will be returned to the candidate, should he be unsuccessful. The thesis, if approved, shall become the property of the University. Publication of the thesis, whether in the original or in a modified form, may only be effected with the express permission of the Council or Councils of the Faculty or Faculties concerned.

The degree with Honors may be granted to a candidate under the following conditions. He must have obtained First Class Honors in each of the last two years of his course in Arts and Science or Medicine, as well as First Class Honors for his thesis and in his final examinations; and finally, the degree with Honors may only be granted on the specific recommendation of the supervisory committee. Honors.

The LL.B. Degree

The academic requirements for permission to register for this degree are:

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

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

The work itself consists of:

(a) Reading courses and examinations in each of the following subjects (see p. 135):

Domestic Relations, Medical Jurisprudence, Theory of Obligation, Corporations.

(b) An approved thesis on an assigned subject.

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. If the thesis is typewritten, the original and not a carbon copy must be submitted. Upon being approved the thesis shall become the property of the University.

Diplomas

(a) **Home Economics:** two years' undergraduate work; (see p. 65.)

(b) **Business Administration:** one year's work for graduates in departments other than Business Administration. (For details see p. 70).

(c) **Public Administration:** one year of work for graduates in departments other than Business Administration or Economics. (For details see p. 70).

Medals, Scholarships and Prizes

I. Undergraduate

UNIVERSITY

University Gold Medals for competition in the final year of these Honor Courses offered by University College of Arts and Science:

Applied Biology;
Botany;
Business Administration;
Business and Secretarial Science;
Chemistry;
Chemistry and Geology;
Chemistry and Physics;
Classics;
Economic and Political Science;
English;
English and French;
English and Latin;
French and German;
French and Latin;
French and Spanish;
Geology;
History;
Mathematics and Physics;
Philosophy and Psychology;
Physics and Mathematics;
Psychology and Philosophy;
Social Science;
Zoology.

Governor-General's Medal: Senior Group, General Course.

Ursuline College of Arts Gold Medal: fourth year Home Economics.

UNIVERSITY COLLEGE

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

Unless otherwise indicated, the Scholarships and Prizes available in University College are provided by the Board of Governors of the University.

Scholarships: Fifty dollars each, for general proficiency in the following

(a) Junior Group 1.

(b) Junior Group 2: the F. G. Jewell Scholarship.

[Given in memory of the late Francis G. Jewell, C.A., former Auditor of the University.]

(c) Junior Group 3: the W. J. Roche Scholarship.

[In honor of the late Hon. W. J. Roche, M.D., LL.D., C.M.G., former Chancellor of the University.]

(d) Junior Group 4: the B'Nai Brith Scholarship.

[Given each year by the London Branch of the Order.]

Scholarships: Sixty dollars each for best standing in the following

SECOND YEAR HONOR COURSES:

Business and Secretarial Science;
Chemistry and Geology;
Chemistry and Physics;
Classics;
English and French;
English and Latin;
French and German;
French and Latin;
French and Spanish;
History;
Philosophy and Psychology.

THIRD YEAR HONOR COURSES:

Business and Secretarial Science;
Chemistry and Geology;
Chemistry and Physics;
Classics;
English and French;
English and Latin;
French and German;
French and Latin;
French and Spanish;
Philosophy and Psychology;
Psychology and Philosophy.

The Hon. Edward Blake Scholarship, No. 1: Sixty dollars; for Honor Economic and Political Science, Second Year.

The Hon. Edward Blake Scholarship, No. 2: Sixty dollars; for, Honor Economic and Political Science, Third Year.

[These two Scholarships were endowed by the late Major Hume Cronyn, K.C. M.P., in memory of his uncle, the Hon. Edward Blake, sometime Premier of Ontario and later member of the British House of Commons. These Scholarships will be awarded at the discretion of the Scholarship Committee. Not offered in 1945-6]

The Andrew Grant Scholarship, No. 1: Sixty dollars; for Honor Economic and Political Science, Second Year.

The Andrew Grant Scholarship, No. 2: Sixty dollars; for Honor Economic and Political Science, Third Year.

The Andrew Grant Scholarship, No. 3: Sixty dollars, for Honor Social Science, Second Year.

The Andrew Grant Scholarship, No. 4: Sixty dollars, for Honor Social Science, Third Year.

[These Scholarships were bequeathed to the University by Mrs. Grant as a memorial to her husband, Mr. Andrew Grant, St. Thomas.]

The John Gordon McIntosh Scholarship, No. 1: Sixty dollars; for Honor Mathematics and Physics, Second Year.

The John Gordon McIntosh Scholarship, No. 2: Sixty dollars; for Honor Physics, Third Year.

[These Scholarships were endowed by the late Mrs. John Gordon McIntosh, of Winnipeg, in memory of her husband. They will be awarded at the discretion of the Scholarship Committee.]

The Wilhelmina and J. Gordon McIntosh Scholarship, No. 1: Sixty dollars; for Honor Business Administration, Second Year.

The Wilhelmina and J. Gordon McIntosh Scholarship, No. 2: Sixty dollars; for Honor Business Administration, Third Year.

The Wilhelmina and J. Gordon McIntosh Scholarship, No. 3: Sixty dollars; for Honor Geology and Geography, Second Year.

The Wilhelmina and J. Gordon McIntosh Scholarship, No. 4: Sixty dollars; for Honor Geology and Geography, Third Year.

The Wilhelmina and J. Gordon McIntosh Scholarships in Public Speaking: two scholarships of $35 each, two of $25 each and two of $15 each are open to all students in the constituent faculties of the University; one thirty-five dollar, one twenty-five dollar and one fifteen dollar scholarship will be awarded to men and the other three of the same value to women.

The Wilhelmina and J. Gordon McIntosh Junior Fellowship, No. 1: One hundred and eighty dollars; Fourth Year Honor Business Administration.

The Wilhelmina and J. Gordon McIntosh Junior Fellowship, No. 2: One hundred and eighty dollars; Fourth Year Honor Geology and Geography.

[These Scholarships and Fellowships were bequeathed to the University by the late Wilhelmina Morris McIntosh, of Winnipeg and London.]

The Albert O. Jeffery Scholarship, No. 1: Sixty dollars; for Honor Biology (including B.Sc., M.D.), Second Year.

The Albert O. Jeffery Scholarship, No. 2: Sixty dollars; for Honor Biology, Third Year.

The Albert O. Jeffery Scholarship, No. 3: Sixty dollars; for Honor Mathematics, Third Year.

[These three Scholarships were bequeathed to the University by the late Mrs. Jeffery as a memorial to her husband, Mr. Albert O. Jeffery, K.C., D.C.L., LL.D., former President of the London Life Insurance Company.]

The A. N. Knowles Scholarship: Sixty dollars; for Honor Chemistry, Second Year.

The J. C. Knowles Scholarship: Sixty dollars; for Honor Chemistry, Third Year.

[The above Scholarships are donated to the University as memorials by Mrs. A. N. Knowles, London.]

William Wyatt Scholarship, No. 1: Sixty dollars; for Honor English Language and Literature, Second Year.

William Wyatt Scholarship, No. 2: Sixty dollars; for Honor English Language and Literature, Third Year.

[The capital fund for these Scholarships was bequeathed to the University by the late William Wyatt, of London.]

Huron County Scholarships (2): One hundred dollars each, one for the man, one for the woman, from Huron County who stands highest in any year of any regular course in the University.

[These Scholarships were voted by the County Council of Huron County, in June, 1944, for annual competition among Huron County students in attendance at the University of Western Ontario.]

I. O. D. E. Municipal Chapter Bursary: Sixty dollars; awarded in the autumn to the student registered in the Applied Biology option

who stood highest in Third Year Honor Biology during the preceding session. The bursary may be awarded, under special circumstances, to a student registered in a course other than Applied Biology.

[This Bursary is given annually by the Municipal Chapter, Imperial Order of the Daughters of the Empire, London.]

Khaki University and Y. M. C. A. Scholarship: Sixty dollars; for the highest average obtained by an ex-service man, or the son or daughter of an ex-service man, in any year of any course in University College of Arts.

Sir Wilfrid Laurier Memorial Scholarships: Two scholarships, one elementary ($30.00) and one advanced ($50.00); awarded annually for proficiency in French Conversation; open only to Canadian-born English-speaking students, or the sons and daughters of naturalized British subjects not of French parentage.

[The capital fund for these Scholarships was the gift of the Women's Liberal Association.]

The Joseph Henry Marshall Scholarship: Sixty dollars; for Honor History, Third Year. Open only to Canadian-born students. To be awarded in 1945-46.

[Bequeathed to the University by Mrs. Amy Marshall as a memorial to her late husband, Joseph Henry Marshall, M.P., to commemorate his interest in all phases of Canadian History.]

Ursuline College Home Economics Scholarships: (See page 51)

Prizes: Ten dollars each:

English 40 or 48;
History 45, 46;
English 30;
French 30;
History 36;
Philosophy 30;
English 20;
English 21;
Latin 20 or Greek 20;
French 20 or German 20;
Economics 20;
Business 20;
Psychology 20;
English 10;
Latin 10 or Greek 10;
Mathematics 10, 12;
Botany 10 or Zoology 10;
Chemistry 10 or Physics 10;
French 10 or German 10.

Wilhelmina and J. Gordon McIntosh Prizes in Public Speaking: one prize of $25, one of $15, and eleven of $10 each, are open to students registered in English 19, under terms specified by the Scholarship Committee.

W. W. Tamblyn Prize: Ten dollars; Second Year English Composition (English 21). Given in alternate years, next in 1945-46.

[The capital fund for this prize was bequeathed to the University by the late W. W. Tamblyn, Esq., of Bowmanville.]

Alumnae Association Prize: Ten dollars; Third Year Canadian History (History 31); only women are eligible for competition.

Gamma Phi Beta Alumnae Jubilee Prize: Ten dollars; Third Year Secretarial Science (Secretarial Science 37, 38, 39).

Alpha Kappa Psi Medallion: a Medallion, the gift of the Alpha Kappa Psi Fraternity, will be awarded annually to the student in Business Administration, who, upon completion of his Junior Year, has attained the highest two-year average in scholarship. Only male students who have had all their training in this University are eligible for this award.

Alpha Kappa Psi Diplomas: two Diplomas, the gift of the Alpha Kappa Psi Fraternity, will be awarded annually to the Freshmen who stand highest in the Business Administration of Junior Group 2 and the Economics of Junior Group 2, respectively. Only male students will be eligible for these awards, which will be made in October after the registrations for Honor Business Administration and for Honor Economics have been completed.

SUMMER SCHOOL FOR FRENCH AND ENGLISH
TROIS-PISTOLES, QUEBEC

Carnegie Corporation of New York Scholarship for French: Ninety dollars. Applications for this scholarship will be received by the Registrar up to April 1st; the winner will be selected by a special committee.

Board of Governors' Scholarship: Sixty dollars. The winner will be selected by a special committee.

Municipal Council of Trois-Pistoles Prizes: Two of twenty-five dollars each.

Trois-Pistoles Chamber of Commerce Prizes: (1) Fifteen dollars; to be awarded to a student or students of the French Section on the results of work in class and in the final examinations.

(2) Fifteen dollars; to be awarded to a student or students of the English Section on the results of work in class and in the final examinations.

Director's Prizes: Two of five dollars each, for the best speeches in English by members of the English classes.

Hon. Jacob Nicol Prizes: Two prizes, each of five dollars, for the best speeches in French.

La Coupe du Recteur: Awarded to the student in the French classes whose progress has been outstanding during the summer session.

President's Cup: Awarded to the student in the English classes whose progress has been outstanding during the summer session.

La Croix Cup: French Conversation, open to beginners; awarded on the results of an examination by a committee of Trois-Pistoles citizens.

Provincial Secretary's Prizes: Each year the Provincial Secretary's Department donates a number of volumes.

URSULINE COLLEGE

Brescia Hall Students' Inter-year Residence Scholarship, value $150.00.

Brescia Hall Students' Inter-year Non-residence Tuition Scholarship, value $50.00.

The Sir Philip Pocock Memorial Inter-year Non-residence Tuition Scholarship, value $50.00.

Home Economics, No. 1: Twenty-five dollars, for Third Year Clothing (Home Economics 30x).

Home Economics, No. 2: Twenty-five dollars, for Third Year Foods (Home Economics 32x).

II. Graduate

WALTER P. ZELLER FELLOWSHIP

Open to graduates in Commerce or Business Administration of Canadian Universities who plan to specialize in Retailing at the University of Western Ontario. Value $1,000 a year. The award may be renewed for a second year.

Applications should be submitted not later than June 1, to the Registrar.

THE RHODES SCHOLARSHIPS

A Rhodes Scholarship is tenable at the University of Oxford and may be held for three years.

The stipend of a Rhodes Scholarship is fixed at £400 per year. At most colleges, and for most men, this sum is not sufficient to meet a Rhodes Scholar's necessary expenses for term-time and vacations, and Scholars who can afford to supplement it by, say, £50 per year from their own resources, will find it advantageous to do so.

CONDITIONS OF ELIGIBILITY: A candidate to be eligible must:

1. Be a British subject, with at least five years' domicile in Canada, and unmarried; have passed his nineteenth, but not his twenty-fifth birthday on October 1st of the year for which he is elected.
2. Have reached such a stage in his course at one of the Universities of Canada that he will have completed at least two years at the University in question by October 1st of the year for which he is elected.

Candidates may apply either for the province in which they have their ordinary private domicile, home, or residence, or for any province in which they have received at least two years of their college education before applying.

Full particulars can be obtained from Erskine W. Ireland, Esq., 372 Bay Street, Toronto, Ontario, Secretary of the Selection Committee for the Province of Ontario.

Each candidate for a Scholarship is required to make application to the Secretary of the Committee of Selection of the province in which he wishes to compete, not later than November 10th. Preliminary applications of all University of Western Ontario candidates must be filed before November 1st, with the Registrar, from whom application forms may be obtained.

These Scholarships will not be awarded during the war.

DAUGHTERS OF THE EMPIRE OVERSEAS SCHOLARSHIP

As part of their War Memorial the Imperial Order Daughters of the Empire offer annually in each province in Canada a scholarship for one year's post-graduate study in Britain. The value of the scholarship is $1,400. *Not awarded during the war.*

These scholarships are subject to the following conditions:

1. Candidates may be men or women. They must be British subjects, with at least five years' residence in Canada, and unmarried. Each candidate must either hold a degree from a University or College in the Province in which he or she is making application, or be in his or her final year in a course proceeding to a degree.

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

3. Applications for this scholarship should be sent, before October 5th, to the Provincial Educational Secretary, I. O. D. E., 168 Jackson St. W., Hamilton, Ontario, who will provide additional information about the scholarship.

CANADIAN FEDERATION OF UNIVERSITY WOMEN SCHOLARSHIPS

The Canadian Federation of University Women offer two travelling scholarships:

I. **A Senior:** value $1,250, available for study or research work, open to any woman holding a degree from a Canadian University, who is not more than 35 years of age at the time of award. In general, preference will be given to those candidates who have completed one or more years of graduate study and have a definite course of study or research in view.

II. **A Junior:** value $850, open to any woman holding a degree from a Canadian university, who is not more than 25 years of age at the time of award. Preference will be given to students who have studied in only one university and who desire to continue their studies in another.

The awards are based on evidence of character, intellectual achievement, and promise of success in the subject to which the candidate is devoting herself.

The proposed place and plan of study or research must be approved by the Scholarship Committee. Applications and recommendations must be received not later than February 1st.

Application blanks and further information may be obtained from the Convener of the Scholarship Committee, Dr. Cecilia Krieger, University of Toronto, Toronto, Ont.

III. Admission

Candidates must notify the University of Western Ontario by May 1st (on forms provided on request) of their intention to compete for scholarships the following June.

THE SIR ARTHUR CURRIE MEMORIAL SCHOLARSHIPS

These annual scholarships, two in number, have been endowed by a group of citizens of London and vicinity in honor and in memory of the late Sir Arthur Currie; value $100 cash per year for four years, and $125 tuition per year for four years; total value, $900 each.

The conditions and terms of the award are:

1. Applicants must be approved by the executive committee of the donors.

2. School attendance during the preceding year is not necessary if the applicants have previously secured the required academic qualifications.

3. Financial need of the candidates will be taken into consideration.

4. A successful candidate may hold his scholarship either in the Faculty of Medicine or in University College, but must have complete entrance requirements of the course he wishes to enter.

5. In order to retain the advantages of the scholarship, the holder must carry his academic program to the satisfaction of the committee from year to year.

6. The Committee of Award shall consist of the Registrar of the University (Convener), the Director of the Department of Physical Education, the Chairman of the Physical Education Committee of the Board of Governors, a representative from the staff of the Medical Faculty, a representative from the Faculty of University College, and two representatives of the donors, seven in all, of whom four shall constitute a quorum.

LEONARD SCHOLARSHIPS

The income of a trust created by the late Lieut-Col. and Mrs. R. W. Leonard, St. Catharines, Ont., will be expended in paying part of the college expenses of selected students at several institutions of

Canada, including the University of Western Ontario, for from one to four years. The details of qualification and the procedure of application for these scholarships may be secured by corresponding with the trustees of the foundation, The Toronto General Trusts Corporation, Toronto, Ontario, or with the Registrar of the University of Western Ontario.

ONTARIO HOCKEY ASSOCIATION SCHOLARSHIP

The Ontario Hockey Association has founded a scholarship to be awarded annually on the results of Grade XIII examinations held by the Department of Education of Ontario the June preceding the award. The following conditions obtain:

1. The candidate must have complete entrance requirements for the course he intends to pursue;

2. The marks on the candidate's six best papers only will be considered; minimum average for qualifying contestant, 66 per cent.;

3. If in any year no candidate reaches the minimum qualifying average no scholarship for that year will be awarded.

In making the award the following points will be considered:

1. Academic qualification;

2. Financial need (to be supported by affidavits).

The award shall be made by a committee of three members who shall be the Registrar of the University, the Director of Physical Education of the University, and a nominee of the Ontario Hockey Association Executive, who may or may not belong to the University. The winner of the Scholarship will receive $100 in cash, one-half in October, the other half in February following; he will receive also $125 tuition a year for four years; total value of the scholarship $600.

THE ONTARIO KNIGHTS OF COLUMBUS SCHOLARSHIPS

The Ontario State Council of the Knights of Columbus has established four scholarships for competition among the Catholic students writing upon the Grade XIII examinations conducted by the Department of Education of Ontario. A scholarship, which has a value of $100.00 a year, will be paid to the successful student during his course, but for not more than four years. The student may attend any University or Catholic School of Philosophy in Ontario, or Osgoode Hall, or any other University, or Catholic School of Philosophy approved by the State Executive. If the University chosen has a Catholic college in federation or affiliation, the student must enroll through this Catholic college; the student registering in the Faculty of Arts and Science of the University of Western Ontario must enroll in either Assumption College, Windsor, Ursuline College, London, or St. Peter's College, London.

Application forms for these Scholarships may be obtained from Mr. J. W. C. Tierney, the State Secretary of the Knights of Columbus, Arnprior, Ont., with whom they must be filed on or before the first day of May in the year in which the examination is to be completed. All other communications about these Scholarships must be made to the Secretary, from whom further information may be obtained on request.

UNIVERSITY COLLEGE

1. The following scholarships will be awarded on the results of the Grade XIII examinations of 1945.

2. No scholarship will be awarded unless a candidate obtains an average of First Class Honors (75 per cent.) on all the papers involved in the award.

3. Candidates must write all the papers on which an award is based. No credits by "recommendation" will be considered.

4. Each candidate must write at least six papers in order to be eligible for competition for any scholarship.

5. The winners of the scholarships must register in one of the constituent Colleges of the University (University College, the Medical School, the Faculty of Public Health).

6. Scholarships cannot be deferred. Winners must register for a full year's work beginning the academic session following the award.

7. In order to retain the privileges of these scholarships the winners must maintain a satisfactory degree of proficiency from year to year of their courses.

I. **Two General Proficiency Scholarships** awarded on nine papers:

(a) English, Mathematics (any two), History, two foreign languages;

(b) English, Mathematics (Algebra, Geometry, Trigonometry), a language and a science, either Physical (Physics and Chemistry) or Biological (Botany and Zoology).

The winners will receive $100.00 in cash and free tuition (up to $125.00 a year) for four years: total value of each scholarship, $600.00.

II. **Eight Scholarships** awarded on six papers:

(a) English, Mathematics (any two) and two other papers;

(b) English, French and German or Greek or Latin or Spanish;

(c) French, German or Greek or Latin or Spanish and two other papers;

(d) Mathematics (Algebra, Geometry, Trigonometry), Physics and two other papers;

(e) Physics, Chemistry, Mathematics (any two), and two other papers;

(f) Biology, Mathematics (any two) and two other papers;

(g) Latin, French and German or Greek or Spanish;

(h) English, History, French or German or Greek or Latin or Spanish and one other paper.

The winners of these scholarships will receive $50.00 in cash and free tuition (up to $125.00 a year) for two years: total value of each scholarship, $300.00.

III. Scholarships of Free Tuition (up to $125.00 a year) for two years for competition in each Collegiate Institute, Vocational School and High School whether Commercial, Agricultural or Academic, in the counties named in the University of Western Ontario Act, 1923, viz.: Essex, Kent, Elgin, Norfolk, Brant, Oxford, Middlesex, Lambton, Huron, Bruce, Grey, Perth, Wellington and Waterloo; and all the cities situated therein. The successful candidates must have an average of at least First Class Honors (75 per cent.) in nine papers of the examination written in June of the year of the award, and chosen from the following subjects: English, German, Greek, French, History, Latin, Mathematics, Spanish, Botany, Zoology, Physics, Chemistry: total value of each scholarship, $250.00.

IV. Scholarships of Free Tuition (up to $125.00) for one year for proficiency in single subjects:

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

URSULINE COLLEGE

The Ursuline College of Arts offers the following Residence Scholarships for competition among Grade XIII students:

Josephine Gaukler Memorial Scholarships: 2, value $150.00 each;
Mother Mary Clare Gaukler Scholarships: 2, value $150.00 each;
Sir Philip Pocock Memorial Scholarships: 2, value $150.00 each;
Elsie Perrin Williams Memorial Scholarship: value $150.00.

These seven scholarships may be held only by students in residence at Brescia Hall.

Elsie Perrin Williams Memorial Scholarship, for non-residents: value $50.00 tuition.

Those wishing to compete for these Scholarships must make application before May 1st. Application forms will be sent on request.

Address Scholarship communications to

THE REGISTRAR, URSULINE COLLEGE,
Brescia Hall,
London, Ont.

Fees

Tuition fees in full are payable on Registration Day. If they are paid in two instalments, the first will be payable Registration Day, the second on or before the first day of the second term. All other fees, except examination and degree fees, are payable Registration Day. Students must register and pay the fees for examinations before presenting themselves for any papers. See also p. 40.

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

The following fees are payable to the Bursar:

First Registration (for part-time students on entering)	$ 5 00
Annual Registration (intramural students)	25 00
*Tuition, including examinations, one payment a year	125 00
Two payments a year, each $65.00	130 00
Tuition, special student, each credit, including examination	10 00
Tuition, Summer School, Extension and Extramural, each credit, including examination when written at University College	10 00
Examinations, Supplemental, each paper	5 00
Maximum	15 00
Examinations, LL.B. Course, each paper	20 00
Examinations, at dates other than January, April or August	15 00
Presiding Examiner's fee, etc. (at outside centre), each half day	3 00
Library Deposit (extramural students outside London)	5 00
Change of Faculty	5 00
Change of Registration, after one week from Registration Day, $1.00 to	5 00
Late Registration (including late physical examination) (see also page 5) $7.00 to	8 00
Undergraduate Certificate of Standing $1.00 to	3 00
Graduate detailed certificate (after the first two), each	2 00
Athletic Association, each year	10 00
University Students' Commission Fee, including Concert series, each year	6 00
Students' Health Insurance, each year	10 00
Caution Money (1), each year	5 00
Microscope Rental, each instrument, each year	5 00
Laboratory Fee, each Science, full course	4 00
Half course	2 00
Laboratory Fee, Business Administration, last three years, each	4 00
Laboratory Fee, Home Economics, each course	8 00
Laboratory Fee, Secretarial Science, last three years, each	4 00
Caution Fee (1), Physics, Chemistry, each course	5 00
Caution Fee (1), Applied Biology, Botany, Geology, Home Economics, Psychology, Zoology, each course	2 00
Degree of B.A. or B.Sc., payable May 1st	10 00
Degree of M.A., or M.Sc., or LL.B., payable May 1st	20 00
Degree of B.D., payable May 1st	24 00
Diploma in Home Economics, payable May 1st	5 00
Diploma, Intensive Business Course, payable May 1st	10 00

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

*For non-Canadian students tuition fees are double these figures.

Student Expenses

A statement of annual expenses can at best be approximate; purely personal items (e.g., laundry, clothes) are not included in the summary below and in other items individual tastes may vary. The following is a suggestion only:

Annual Registration	$ 25	00			
Tuition	125	00	or	$130	00
Laboratory and Caution Fees	6	00	to	60	00
Athletic Association	10	00			
Student Commission	6	00			
Health Insurance	10	00			
Caution Fee	5	00			
Board (30 weeks)	240	00	to	300	00
Books and Supplies	50	00	to	75	00
	$477	00	to	$621	00

Explanation of Number System

First year general courses are numbered between 10 and 19.

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

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

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

Graduate courses are numbered between 500 and 599.

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

A course whose number is lower than 10 is in difficulty and quantity equal to a Secondary School Grade XII Course in the same subject.

Requirements For Degrees

All students, on entering the Faculty of Arts and Science, will register in one of the following courses:

I. GENERAL COURSE: leading through one of four Junior Groups to either a General or an Honor degree. On completion of any one of the Junior Groups a student may finish his course for a General degree in two years (Senior Group), or, if eligible, may enter an Honor course and finish in three years (see pages 68-87).

II. SECRETARIAL SCIENCE COURSE (see page 62).

III. THEOLOGICAL COURSE (see page 63).

IV. NURSES' COURSE: leading to the degree of Bachelor of Science (see page 64).

V. HOME ECONOMICS COURSES: leading to a diploma or to the degree of B.A. (see pages 65-66).

VI. TEACHERS' COURSE (see pages 66-67).

For Honor Philosophy in Assumption and St. Peter's Colleges, see pages 84-85.

I. GENERAL COURSE

Requirements for Admission: Secondary School Graduation Diploma (page 34).

In each Junior Group credit will be allowed for certificates in Grade XIII English (10, 11), Mathematics (10, 12, 18), Latin (10), Greek (10), French (10), German (10), History (14), Spanish (10). Certificates of at least third class honors in each of Botany and Zoology will cancel Biological Science 11, and of at least third class honors in each of Physics and Chemistry will cancel Physical Science 11. Credit will not be given for one of the two papers involved. One science course with laboratory, must be taken in the University.

These Junior Groups are complete in themselves and no work in advance of them may be taken before the elected Group is completed.

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

JUNIOR GROUP 1

This group is a prerequisite for all the Honor Science courses and for Honor Mathematics and Physics.

Subject	*Credits*
English 10, 11, 19, 20, 21 (pp. 117, 118)	7
French 10 or German 10 (p. 166, p. 124)	3
Library Science 10a (p. 136)	½
Mathematics 10, 12, 18, 20, 22, 24, (pp. 137, 138)	8½
Botany 10 (p. 88)	3
Chemistry 10 (p.100)	3
Physics 10 (p. 158)	3
Zoology 10 (p. 92)	3
Physical Education 10 or 11 (pp. 156, 157)	1

JUNIOR GROUP 2

The Honor Courses for which Junior Group 2 is a prerequisite are Business Administration, Business Administration and Secretarial Science, Economic and Political Science, Philosophy and Psychology, and Social Science. The students who are expecting to take Honor Social Science (page 86) should elect Biological Science 11, and History 20 (instead of Business 20); those who are expecting to take Honor Philosophy and Psychology (page 83) should elect History 20 instead of Business 20.

Subject	*Credits*
English 10, 11, 19, 20, 21 (pp. 117, 118)	7
Library Science 10a (p. 136)	½
Mathematics 10, 12, 18 (any two) (p. 137) or Latin 10 (p. 104)	3
Physical Education 10 or 11 (pp. 156, 157)	1
Business 20 (p. 97)	3
Economics 20 (p. 111)	3
Psychology 20 (p. 152)	3
Biological or Physical Science 11 (pp. 88, 159)	3
Two of *German 1, *Greek 1, *Spanish 1, French 10, German 10, Greek 10, Latin 10, (or 20), Hebrew 10, Spanish 10, Applied Biology 23, Geology 20, Zoology 20 or 26	7 or 6
One of *German 10, *Greek 10, *Spanish 10, French 20, German 20, Latin 20 (or 30), Greek 20, Hebrew 20, Spanish 20	3

JUNIOR GROUP 3

This Group is a prerequisite for Honor English Language and Literature, for Honor History, for Honor English and French, and for Honor English and Latin. For these courses, except History, Latin 10 and 20 must be elected.

Subject	*Credits*
English 10, 11, 19, 20, 21 (pp. 117, 118)	7
Library Science 10a (p.136)	½
Mathematics 10, 12, 18 (any two), (p. 137) or Latin 10 (p. 104)	3
Physical Education 10 or 11 (pp. 156, 157)	1
History 14, 20 (p. 128)	6
Biological or Physical Science 11 (pp. 88, 159)	3
Two of *German 1, *Greek 1, *Spanish 1, French 10, German 10, Greek 10, Latin 10 (or 20), Hebrew 10, Spanish 10	6
Two of *German 10, *Greek 10, *Spanish 10, French 20, German 20, Latin 20 (or 30), Greek 20, Hebrew 20, Spanish 20	6

JUNIOR GROUP 4

This Group is a prerequisite for Honor Classics, French and German or Spanish, French and Latin. For these courses Latin 10 and 20 must be chosen.

Subject	*Credits*
English 10, 11, 19, 20, 21 (pp. 117, 118)	7
Library Science 10a (p. 136)	½
Mathematics 10, 12, 18 (any two), (p. 137) or Latin 10 (p. 104)	3
Physical Education 10 or 11 (pp. 156, 157)	1
Biological or Physical Science 11 (pp. 88, 159)	3
Three of *Greek 1, *German 1, *Spanish 1, French 10, German 10, Greek 10, Latin 10 (or 20), Hebrew 10, Spanish 10	9
Three of *Greek 10, *German 10, *Spanish 10, French 20, German 20, Greek 20, Latin 20 (or 30), Hebrew 20, Spanish 20	9

*For those who have no Grade XII standing in these languages at entrance.

SENIOR GROUPS

To graduate in either of the groups below, a student must secure at least Grade C in one-half the credits of his group and a passing mark (Grade D) in the rest (p. 37). Courses previously counted cannot be given credit again in a Senior Group; an equal number of credits must be substituted for them.

GROUP A

This subgroup is open to any student who has completed Junior Group I or the equivalent.

Subject	*Credits*
Psychology 20 or 30	3
Physical Education 20 or 21	1
English 30, 40 or 48	6
History 45, 46	3
Economics 20, 42b	4½
At least 3 credits from History 31, 33, 44; Psychology 36, 39, 48	3
At least 15 credits from:	15
Applied Biology 23, 40; Botany 22b, 25a, 31a, 36b, 43; Chemistry 22, 33, 44, 46a, 46b; Geology 20; Geography 35, 45; Physics 21; Zoology 20, 26; Mathematics 20, 22, 24, 29a, 38b.	

GROUP B

This subgroup is open to any student who has completed Junior Group 2, 3 or 4.

Subject	*Credits*
Psychology 20 (or 30), or Philosophy 30	3
Biological or Physical Science 11	3
Physical Education 20 or 21	1
English 30, 40 or 48	6
History, 6 credits from 20, 31, 33a, 36, 44, 45, 46	6
At least 9 credits (which must include Economics 20, if not previously taken, and 42b) from:	9
Economics 20, 28, 30b, 32a, 32b, 33, 35a, 37a, 37b, 38a, 39a, 42a, 42b, 45a, 46, 47b, 48a, 49b, 259; Philosophy 30, 30x, 31a, 33x, 34b, 37, 37x, 40, 42, 43b, 47, 47x; Psychology 35, 35x, 36, 36x, 37a, 37b, 38, 39, 43a, 44, 46, 48, 49b; Religious Knowledge 20x, 21x, 29x, 30x, 31x, 39x, 40x, 41x, 47x, 48x; Geography 35, 45; Music 10, 20.	
At least 6 credits from:	6
(a) Latin 20, 30, 39, 40; Greek 10, 20, 29, 30, 40; French 20, 30, 33, 39, 40, 43, 271, 381, 491; German 20, 30, 31, 39, 40, 41; Spanish 20, 30, 31, 40, 41; Italian 10, 20 30; Hebrew 10, 20; Russian 10, 20;	
(b) Mathematics 10, 12, 18, 20, 22, 24, 29a, 38b;	
(c) Senior Group courses not already counted in Economics, English, History, Philosophy, Psychology, Religious Knowledge.	

II. SECRETARIAL SCIENCE COURSE

Requirements for Admission: Secondary School Graduation Diploma (page 34).

First Year

Subject	*Credits*
English 10, 11, 19 (pp. 117, 118)	4
Library Science 10a (p. 136)	½
Mathematics 10, 12, 18 (any two), (p. 137) or Latin 10 (p. 104)	3
Physical Education 10 (p. 156)	1
Biological Science 11 (p. 88)	3
Two of:	
French 10 (p. 166)	3
German 1 or 10 (p.124)	3
Spanish 1 or 10 (p. 170)	3
Latin 10 (p. 104)	3

Second Year

Early application for admission to this year is imperative because the registrations are limited in number. To secure admission students must have passed the above first year without any conditions, or must present certificates of standing in Grade XIII English, French or German and any two of Latin, Mathematics (two papers), Biology (III Class). These students must make up all deficiencies of the first year before beginning any work of the third year.

Subject	*Credits*
Business Administration 20	3
Economic and Political Science 20	3
English 20, 21	3
Physical Education 20	1
Secretarial Science 28, 29	6
One of:	
French 20	3
German 10 or 20	3
Spanish 10 or 20	3

Third Year

Business Administration 30	2
English 30	3
English 31	2
Psychology 20	3
Secretarial Science 37	3
Secretarial Science 38, 39	6
One of:	
French 33	3
German 20 or 30, 31	3
Spanish 20 or 30, 31	3

Fourth Year

English 40 or 48	3
History 31	2
Secretarial Science 47	7
Secretarial Science 48, 49	5
One of:	
French 43	3
German 30, 31 or 40, 41	3
Spanish 30, 31 or 40, 41	3

III. THEOLOGICAL COURSE

Requirements for Admission: Secondary School Graduation Diploma (page 34).

The following course, the Theological Options of which are available at Huron College only, is accepted by the University for all Protestant students who have been officially approved as candidates for the ministry by the governing authorities of their respective denominations. The course, however, is open to any man or woman who may be interested in training for religious work as a profession or as an avocation. To meet the individual needs of this latter group adjustments, especially in Greek and Hebrew, will be arranged as the timetable permits.

Any student entering this course with Grade XIII standing in English, and Latin and Grade XII standing in Greek may reasonably expect to complete the course in three years.

Greek and Hebrew may not be begun in the same academic year.

After the completion of this B.A. course it is necessary for Church of England Theological students to pass the work of two additional years at Huron College to secure the Licentiate in Theology (L.Th.).

First Year

Subject	*Credits*
Apologetics 10x (p. 173)	2
Church History 10ax (p. 173)	1½
English 10, 11, 19 or Homiletics 19x (pp. 117, 174)	4
Greek 1 or 1x (p. 107)	3
History 20b (p. 129)	1½
Latin 10 (p. 104)	3
Library Science 10a (p. 136)	½
New Testament 11x (p. 174)	1
Old Testament 10x (p. 174)	1
Physical Education 10 or 11 (pp. 156, 157)	1

Second Year

Economics 20	3
New Testament 21x	1
Old Testament 20x	1
Physical Education 20 or 21	1
Psychology 20	3
Homiletics 29x or Psychology 46a	1
English 20, 21	3
Greek 25x	3
Hebrew 10	3

Third Year

English 30	3
Greek 35x	3
Hebrew 20	3
History 33a, 46b	3
New Testament 31x	1
Old Testament 30x	1
Philosophy 30	3
Psychology 39	2

Fourth Year

Church History 40x	2
Economic and Political Science 28	3
English 40 or 48	3
History 31 or 44	2
New Testament 41x	1
Old Testament 40x	1
Philosophy 31a, 33bx	2
Psychology 48	3

IV. COURSE FOR NURSES

Leading to the Degree of Bachelor of Science

Requirements for Admission: Secondary School Graduation Diploma (page 34).

Registration in the first year of this course is limited. Each applicant for admission must submit a certificate of acceptance for this course from the Chief of Division of Study for Graduate Nurses of the Faculty of Public Health and from the Superintendent of the Training School for Nurses in the Hospital where she plans to take her training.

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

Part (a) In the Faculty of Arts and Science either one and a half academic years (I) or one academic year (II), the latter for those with Grade XIII standing in English, French or German, Botany, Zoology and Chemistry.

Credit in Grade XIII English and French will cancel English 10, 11 and French 10 respectively: Second Class standing in Grade XIII Botany, Zoology and Chemistry will cancel Botany 11N, Zoology 11N, Chemistry 11N, respectively.

I.

First Year

Subject	*Credits*
Botany 11N (p. 89)	1½
Chemistry 11N (p. 101)	3
Economics 20 or 28 (p. 111)	3
English 10, 11, 20b (p. 117, 118)	4
French 10 or German 10 (pp. 166, 124)	3
Library Science 10a (p. 136)	½
Physical Education 10 (p. 156)	1
Zoology 11N (p. 92)	1½

Second Year, First Term Only (September to January)

Subject	*Credits*
Chemistry 22a	1½
English 20a, 21a	1½
Language of first year continued	1½
Psychology 20aN	1½
Physical Education 20a	½
Zoology 21aN	2

II.

Students who offer certificates to cancel all the courses mentioned above must take a whole year (as below), not a half-year, in the Faculty of Arts and Science and the regular thirty-six, not thirty-two, months in a Training School for Nurses.

Subject	*Credits*
Botany 36b	1½
Chemistry 22a	1½
English 20, 21	3
Language of Grade XIII (Upper School) continued	3
Library Science 10a	½
Physical Education 10	1
Psychology 20	3
Zoology 21aN	2

Part (b) Thirty-two continuous months in a Training School for Nurses where there shall be a course that is in all its details approved by a Committee of which the Dean of the Faculty of Public Health is Convener. The hospital training course starts in the latter part of January and finishes in September, thirty-two months later.

Part (c) One academic year in the Faculty of Public Health of the University of Western Ontario. The student may choose the Public Health Nursing, Hospital Administration or the Instructor in Nursing option. She must inform the Faculty of Public Health by June 30th of the option she has chosen for her final year's work.

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

V. HOME ECONOMICS

Requirements for Admission: Secondary School Graduation Diploma (page 34).

Grade XIII standing in English, French, Mathematics will cancel English 10, 11, French 10, Mathematics 10, 12, 18; Grade XIII Botany, Zoology, Chemistry with Second Class standing will cancel Botany 11N, Zoology 11N, Chemistry 11N, respectively.

In all laboratory work a prescribed uniform must be worn by each student.

(a) This two-year course leading to a diploma in Home Economics is offered by Holy Names College (Windsor), Ursuline College (London), and Alma College (St. Thomas).

First Year

Subject	*Credits*
English 10, 11, 19 (pp. 117, 118)	4
Religious Knowledge 20 or Psychology 20 (pp. 164, 152)	2 or 3
Chemistry 11N (p. 101)	3
Physical Education 10 (p. 156)	1
Home Economics 25x, 26x, 30x, 32x (p. 132, 133)	7
Music, or Art, or Applied Art, or Modern Language (10)	3

Second Year

English 20, 21	3
Economics 20 or 28 or Religious Knowledge 30	2 or 3
Physical Education 20	1
Chemistry 22a, Botany 36b	3
Home Economics 40x, 42x	5
Home Economics 43ax, 44bx	2
Music, or Art, or Applied Art, or Modern Language (20)	3

For details see the pamphlets of the colleges offering this course.

Students who transfer from the diploma course to the degree course will be required to do extra work in Foods and Clothing.

(b) This four-year course leading to a Bachelor of Arts degree in Home Economics is offered by Ursuline College, London, Ontario. University College students in the course will take their Home Economics classes at Ursuline College.

This course has been approved by the **Canadian Dietetic Association.**

Students must attend 80% of the classes in each course in Home Economics or they may not write the examinations.

Home Economics and Chemistry courses must be taken in the order and the year designated.

Students who have obtained 60% or more in the work of the fourth year may, if they enter the High School Assistants' Course of the Ontario College of Education, elect the supplementary course offered for Intermediate Home Economics certificates.

First Year

Subject	*Credits*
Botany 11N (p. 89)	1½
English 10, 11, 19 (pp. 117, 118)	4
Library Science 10a (p. 136)	½
Chemistry 11N (p. 101)	3
French 10 or German 10 or Spanish 10 (pp. 166, 124, 170)	3
Mathematics 10a, 12b, 18 (any two), (p. 137)	3
Physical Education 10 (p. 156)	1
Zoology 11N (p. 92)	1½

Second Year

Botany 36b	1½
English 20, 21	3
French 20 or German 20 or Spanish 20	3
Chemistry 22	3
Zoology 21aN	2
Psychology 20	3
Physical Education 20	1
Religious Knowledge 20x	2
Home Economics 25x	1
Home Economics 26x	1

Third Year

Chemistry 33	3
Economics 20	3
English 30	3
Home Economics 30x	2½
Home Economics 31x	2½
Home Economics 32x	2½

Fourth Year

Chemistry 46	3
Economics 28	3
Philosophy 33x	2
Home Economics 40x	2½
Home Economics 41ax	1½
Home Economics 42x	2½
Home Economics 43ax	1
Home Economics 44x	1
Home Economics 45x	1
Home Economics 46bx	1½

VI. COURSE FOR TEACHERS OF ELEMENTARY SCHOOLS

Requirements for Admission: Secondary School Graduation diploma, General Course, Four Options (p. 34) and Interim First Class Certificate.

The subjects whose number is followed by T count for graduation in this course only. They may be offered in the Summer School, Extramural and/or Extension Departments. For descriptions see pp. 175ff.

First Year

Subject	*Credits*
English 19S, 20, 21T	4
Library Science 10S	1
Physical Education 20 or 21	1
Economics 20 or 28	3
Psychology 20	3
Applied Biology 23S	1½

Subject	*Credits*
At least 5 credits from:	
Art 20T	1½
Astronomy 29S	1
Educational Counseling 20T	1
English 26T	1
French 20 (or other foreign language)	3
Handicrafts 20T	1½
Home Economics 25	1
Home Economics 26	1
Mathematics 20S	1
Mathematics 23T	1
Music 20T	1½
Secretarial Science 29a	1½
Biological Science 11	3
Physical Science 11	3
Second Year	
English 29S, 30, 31T	5
Economics 30b	1½
Geography 20S	1½
History 31	2
Psychology 35S	1½
Psychology 36	2
At least 5 credits from:	
Art 30T	1½
Educational Counseling 30T	1
English 33T	1
English 36S	1½
French 30 (or other foreign language)	3
Handicrafts 30T	1½
Home Economics 30a	1½
Home Economics 31a	1½
Home Economics 32a	1½
Economics 32a	1½
Music 30T	1½
Physical Education 30 or 31	1
Secretarial Science 29b	1½
Options from the first year not previously chosen.	
Third Year	
English 40 or 48	3
Geography 45a, 45b	3
History 35S	3
Psychology 39	2
Psychology 48a	1½
Public Health 30S	1½
At least 5 credits from:	
Economics 39T (Rural Sociology)	1½
English 46S	1½
French 40 (or other foreign language)	3
Home Economics 30b	1½
Home Economics 31b	1½
Home Economics 32b	1½
Home Economics 43	1
Home Economics 44	1
Home Economics 45	1
Physical Education 40 or 41	1
Psychology 46b	1
Psychology 48b	1½
Psychology 49b	1½
Options of the first or second year not previously chosen.	

HONOR COURSES

The Honor Science Courses in Biology, Chemistry, Geology, Physics lead to the degree of Bachelor of Science (B.Sc.); other Honor Courses to Bachelor of Arts (B.A.)

I. Biological Science

Requirements for Admission: Group 1, page 59, with an average of at least 60% in the Sciences and not less than 60% in Botany and 60% in Zoology.

This course satisfies the academic requirements for the Science Specialist Certificate of the Department of Education of Ontario. See page 43

Second Year

Subject	*Credits*
French 1 or German 5 (language not previously taken)	3
Physical Education 20 or 21	1
Botany 250	2½
Chemistry 200	4
Geology 220	5
Physics 204, 205	3
Zoology 250	2½

Third Year

For admission to the Third year an average of 60% in the Sciences of the Second year is required.

Economics 20 or Psychology 30 or English 30	3
French 10 or German 35 (language of the second year)	3 or 2
Botany 360a, 360b or 452b	5
Chemistry 303a, 456b	3½
Zoology 350a, 354b, 357	7

Fourth Year

Admission requirements for Fourth year: second class Honors in the third year.

All students are required to register in the general option (a) below, except those who apply at the close of the third year and receive the consent of the Committee on Biological Science to select one of the special courses: (b), (c), (d).

(a) GENERAL

French 45, German 45	1
Applied Biology 460a, 463b	5
Botany 452b (or 360b), 461a	5
Zoology 450b, 452a	5

(b) APPLIED BIOLOGY

French 45, German 45	1
Botany 461, 466	5
Applied Biology 460a	2½
Applied Biology 460b	2½
Applied Biology 463b	2½
Zoology 450b	2½
Zoology 456a	2½

(c) BOTANY

Subject	*Credits*
French 45, German 45	1
Botany 452b or 360b (the one not previously taken)	2½
Botany 453	2½
Botany 454	2½
Botany 461	2½
Botany 466	2½
Botany 474	2½
Zoology 450b	2½

(d) ZOOLOGY

French 45, German 45	1
Botany 466b	2½
Zoology 450b	2½
Zoology 452a, 452b	5
Zoology 454b	2½
Zoology 456a	2½
Applied Biology 460a or 463b	2½

II. Business Administration

Requirements for Admission: *Group* 2, page 60, with at least 60% in Economics and 60% in Business.

Credit is given by the Institute of Chartered Accountants for work done in this course.

Second Year

Subject	*Credits*
English 31	2
Physical Education 20 or 21	1
Business 250	3
Business 255	3
Economics 233	3
Eight credits from:	
English 30	3
French 20, 33 or 43	3
Spanish 10, 20, 30, 31	3
Philosophy 30, 31	3 or 1
History 31 or 44	2
Economics 251b	1
Economics 257a, 257b	2
Economics 259	2
Economics 232a, 300b	3
Economics 346	3
Economics 42a, 42b	3

Third Year

For admission to the Third Year an average of 60% in the Honor Business and Economics of the Second Year is required.

Business 306	3
Business 350	3
Business 351	3
Business 353	3
Business 354	3
Three credits from second year options not chosen	3

Fourth Year

For admission to the Fourth Year a standing of 66% in the Third Year is required.

Subject	*Credits*
Business 458	3
Business 459	1½
Twelve credits (chosen after consultation with the department) from:	
Business 450	3
Business 451	3
Business 453	3
Business 454	3
Business 460	3
Business 461	3
Business 471	3
Economics 351a, 462b	3
Economics 350a, 453b	3

INTENSIVE COURSE IN BUSINESS ADMINISTRATION

Requirements for Admission: Graduation from a recognized college or engineering school, including The Royal Military College. Successful business experience, in lieu of academic training, may be considered.

An average of 66% in this one-year course is required for the diploma in Business Administration.

Subject	*Credits*
Business 250	3
Business 255	3
Business 351	3
Business 353	3
Business 354 or 454 (chosen after consultation with the head of the department)	3

INTENSIVE COURSE IN PUBLIC ADMINISTRATION

(Not offered in 1945-46.)

Requirements for Admission: Graduation from a recognized college. Successful experience in business or in a government post, in lieu of academic training, may be considered.

It is recognized that an increasing number of government posts require a more thorough training and maturity of viewpoint than many undergraduate students will have attained. Students anticipating public service should acquire an understanding of the nature and broad significance of problems of public policy and administration. The courses specified below will be supplemented by discussions led by public administrators.

Unless an applicant has completed an acceptable course in Statistics, this subject will be required in addition to the minimum of 15 credits in the courses listed below.

An average of 66% in this one-year course is required for the diploma in Public Administration.

Subject	*Credits*
Business 458	3
Economics 462a, 462b	3
History 31	2

Subject	*Credits*
Seven credits from:	
Business 250 or 350	3
Business 450	3
Business 453	3
Business 459 (thesis in problems of Industry or Distribution)	1
Business 460	3
Economics 233	3
Economics 342a, 342b	3
Economics 453b	1

III. Business Administration and Secretarial Science

Requirements for Admission: Group 2, page 60, with at least 60% in Economics and in Business

This course, with the addition of Penmanship, satisfies the academic requirements for the Commercial Specialist Certificate of the Department of Education of Ontario. See page 43.

Second Year

Subject	*Credits*
English 31	2
Physical Education 20 or 21	1
Business 36	2
Business 250	3
Economics 233	3
Economics 257a, 257b, 259	4
Secretarial Science 28, 29	6

Third Year

For admission to the Third Year an average of 60% in Second Year Business and Secretarial Science is required.

Business 350	3
Business 351	3
English 30	3
History 31	2
Secretarial Science 37	3
Secretarial Science 38, 39	6

Fourth Year

For admission to the Fourth Year a standing of 66% in Business and Secretarial Science of the Third Year is required.

Business 306	3
Business 460	3
Economics 46 or English 40 or 48	3
Secretarial Science 47 (theory and practice)	7

Students not desiring to qualify for the Commercial Specialist Certificate of the Department of Education of Ontario may substitute for Business 460 either Business 461 or Business 471.

IV. Chemistry

Requirements for Admission: Group 1, page 59, with an average of at least 60% in the Sciences of the Group and an average of 60% in Physics and Mathematics and 60% in Chemistry.

This course satisfies the academic requirements for the Science Specialist Certificate of the Department of Education of Ontario. See page 43.

Subject	Second Year	*Credits*
French 1 or German 5 (language not previously taken)		3
Physical Education 20 or 21		1
Botany 250a		2½
Chemistry 250		5
Chemistry 252b		3½
Geology 251		2
Zoology 250b		2½

Third Year

For admission to the Third Year a standing of 60% in the Sciences of the Second Year is required.

French 10 or German 35 (language of the Second Year)	3 or 2
Chemistry 303	4
Chemistry 354	5
Chemistry 357a	½
Physics 254, 255	5
One of:	
Economics 20	3
English 30	3
Psychology 30	3

Fourth Year

For admission to the Fourth Year a standing of 66% in the Chemistry of the Third Year is required.

French 45, German 45	1
Chemistry 451a	2
Chemistry 452a	2
Chemistry 453	3½
Chemistry 454	4
Chemistry 455b	2
Chemistry 456b	1½
Chemistry 458 and Comprehensive Examination	3
Chemistry 459	3

V(a). Chemistry and Geology

Requirements for Admission: As for Honor Geology (p. 79).

Second Year

Subject	*Credits*
French 1 or German 5	3
Physical Education 20 or 21	1
Geology 220, 251	7
Chemistry 250a(3), 252b	6½
Physics 205a	1½

Third Year

For admission to the Third Year an average of 60% in the Sciences of the Second Year is required.

French 10 or German 35 (language of the Second Year)	3 or 2
Geology 351	4
Chemistry 303 or 444	4 or 5
Geology 361a, 362b	3
Geography 335	3

Fourth Year

For admission to the Fourth Year a standing of 66% in the Honor Courses of the Third Year is required.

Subject	*Credits*
French 45, German 45	1
Geology 452	3½
Geology 454	3
Geology 458	2
Chemistry 452a	2
Chemistry 458	1
Chemistry 459b or Geology 455	3
Geography 445	3
One of:	
Economics 20	3
English 30	3
Psychology 30	3

V(b). Chemistry and Physics

Requirements for Admission: Group 1, page 59, with an average of at least 60% in all the Sciences and 60% in Mathematics, in Chemistry and in Physics.

Second Year

Subject	*Credits*
French 1 or German 5 (language not previously taken)	3
Physical Education 20 or 21	1
Chemistry 250 (4), 252b	7½
Mathematics 254	3
Physics 251, 254, 255	6

Third Year

For admission to the Third Year an average of 60% in the Honor courses of the Second Year is required.

French 10 or German 35 (language of the second year)	3 or 2
Mathematics 354	2
Chemistry 303	4
Chemistry 354	5
Chemistry 357a	½
Physics 352	3½
Physics 354	3½

Fourth Year

For admission to the Fourth Year a standing of 66% in the Chemistry and the Physics of the Third Year is required.

French 45, German 45	1
Chemistry 452a	2
*Chemistry 453 or 454	3½ or 4
Chemistry 458	1
Physics 455	1½
*Physics 453 or 456	2
Physics 458	1
Either Chemistry 459 or Physics 459	4½
One of:	
Economics 20	3
English 30	3
Psychology 30	3

*Chemistry 454 and Physics 453 may not be elected by the same student.

VI. Classics

Requirements for Admission: Group 4, page 60, with an average of 60% in Latin 10 and 20 and 60% in Greek 10 and 20.

This course satisfies the academic requirements for the Classics Specialist Certificate of the Department of Education of Ontario. See page 43.

Second Year

Subject	*Credits*
English 30 or 330	3
French 20 or German 20 or Hebrew 20	3
Physical Education 20 or 21	1
Greek 230, 250, 251	4
Latin 230, 250, 251	5
Greek and Latin 257	3

Third Year

For admission to the Third Year an average of 60% in the Honor courses of the Second Year is required.

English 40 (440) or 48 (448)	3
Greek 340, 350, 351, 352	6
Latin 340, 350, 351, 352	6

Fourth Year

For admission to the Fourth Year a standing of 66% in the Greek and Latin of the Third Year is required.

Greek 450, 451, 452, 453, 457	9
Latin 450, 451, 452, 453, 457	8

VII. Economic and Political Science

Requirements for Admission: Group 2, page 60, with an average of at least 60% in Economics, Business and Psychology, and 60% in Economics.

Second Year

Subject	*Credits*
Biological or Physical Science 11 (one not previously taken) or Mathematics 20b and 22a	3 or 2
Business 250	3
English 31	2
Physical Education 20 or 21	1
Economics 228, 232a, 233, 251b, 257a, 257b, 259	12½

Third Year

For admission to the Third Year an average of 60% in the Economics of the Second Year is required.

Economics 300b, 332b, 335a, 342b, 346	9
History 33a, and one of 31, 44	3½
At least five credits from:	
Economics 330b	1½
Economics 337a, 337b	3
Economics 338a, 339a	3
Economics 342a	1½
Economics 345a	1½
Economics 348a	1½
Economics 351a	1½
Economics 353a	1
Economics 363a	1½
Business 351	3
Business 354	3

Subject	*Credits*
English 30	3
Geology 20	4
History 20 or 31 or 44 (if not previously taken)	3 or 2
Mathematics 20b, 22a, 24 (if not previously taken)	4
Philosophy 30	3
Philosophy 31a or 42	1 or 2
Psychology 46	2
French 30 or German 20 or 30, or Spanish 10, 20 or 30	3 or 2

Fourth Year

For admission to the Fourth Year a standing of 66% in the Economics of the Third Year is required.

Economics 450a, 452a, 460b, 462a, 462b	7½
History 45a, 46b	3
At least six credits (three of which must be in Economics) from:	
Economics 347b	1½
Economics 350a	1½
Economics 354	1
Economics 449b	1½
Economics 453b	1½
Economics 458b	1½
Economics 478a	1½
Economics 490b	1½
Business 481b	1½
Geography 35	3
Psychology 48	3
Psychology 49b	1½
Options of Third Year not previously taken	3

VIII. English Language and Literature

Requirements for Admission: Group 3, page 60, with an average of 60% in English and an average of 60% in the two languages taken.

This course is accepted by the Department of Education of Ontario as academic prerequisite for the qualifying examination for Specialist in English. See page 43.

Second Year

Subject	*Credits*
History 36	3
Physical Education 20 or 21	1
English 200, 210, 250, 251	7
Greek 29	1
Two of French 270	3
German 290	3
Latin 230, 250	3
Greek 230, 250	3

Third Year

For admission to the Third Year an average of 60% in the Honor courses of the Second Year is required.

Psychology 20	3
English 330, 352, 353, 362	6
One of French 380	3
German 390	3
Latin 340, 352	3
Greek 340, 352	3
One of Philosophy 30	3
A second language from the above	3

Subject	*Credits*
Two of the languages not chosen in the second year:	
French 39	1
German 39	1
Latin 39	1

Fourth Year

For admission to the Fourth Year a standing of 66% in the English of the Third Year is required.

Spanish 39, Italian 39	2
English 440, 448, 450, 453, 456	11
One of French 490	3
German 480	3
Latin 450, 452	4
Greek 452	3

VIII(a). English and French

Requirements for Admission: Group 3 or Group 4, page 60, with an average of at least 60% in English and in French.

This course is accepted by the Department of Education of Ontario as academic qualification for the Specialist Certificate in English and French. See page 43

Subject	**Second Year**	*Credits*
History 36		3
Physical Education 20 or 21		1
English 200, 210, 250, 251		7
French 270, 271, 290		6
One of:		
German 290		3
Latin 230, 250		3
Spanish 230, 231		4

Third Year

For admission to the Third Year an average of 60% in the Honor courses of the Second Year is required.

English 330, 352, 353, 362	6
French 380, 381	6
Greek 29	1
Latin 39, German 39, Spanish 39, Italian 39	4

Fourth Year

For admission to the Fourth Year a standing of 66% in the English and French of the Third Year is required.

English 440, 448, 453, 456	9
French 450, 490, 491	9

VIII(b). English and Latin

Requirements for Admission: Junior Group 3, or Junior Group 4, page 60, with 60% in English and 60% in Latin.

This course is accepted by the Department of Education of Ontario as academic qualification for the Specialist Certificate in English and Latin. See page 43.

Subject	Second Year	*Credits*
History 257		3
Physical Education 20 or 21		1
English 200, 210, 250, 251		7
Latin 230, 250, 251		5
Greek 29		1
One of:		
French 270		3
Greek 20, or 230 and 250		3
German 20 or 290		3

Third Year

For admission to the Third Year an average of 60% in the English and Latin of the Second Year is required.

History 36	3
English 330, 352, 353, 362	6
Latin 340, 350, 351, 352	6
Spanish, 39, Italian 39, French 39, German 39	4

Fourth Year

For admission to the Fourth Year a standing of 66% in the English and Latin of the Third Year is required.

English 440, 450, 453, 456	8
Latin 450, 451, 452, 453, 457	9

IX(a). French and German

Requirements for Admission: Group 4, page 60, with at least 60% in French and in German.

This course satisfies the academic requirements for the French and German Specialist Certificate of the Department of Education of Ontario. See page 43.

Subject	Second Year	*Credits*
English 30		3
Greek 29		1
Physical Education 20 or 21		1
French 270, 271, 290		6
German 290, 291		5
At least three credits from:		
Spanish 10 or 20, or 30, 31		3 or 4
Italian 10 or 20		3
Latin 30 or 230, 250		3

Third Year

For admission to the Third Year an average of 60% in the French and German of the Second Year is required.

History 45, 46	3
French 380, 381	6
German 390, 391, 393	6
One of:	
Spanish 20 or 30, 31 or 40, 41	3 or 4
Italian 20 or 30	3
Latin 340 or 350	2

Fourth Year

For admission to the Fourth Year an average of 66% in the French and German of the Third Year is required.

Subject	*Credits*
French 450, 490, 491	9
German 460, 480, 481	8
Two of Latin 39, Spanish 39, Italian 39	2

IX(b). French and Spanish

Requirements for Admission: Group 4, page 60 with at least 60% in French and in Spanish.

This course satisfies the academic requirements for the French and Spanish Specialist Certificate of the Department of Education of Ontario (page 43).

Second Year

Subject	*Credits*
English 30	3
Greek 29	1
Italian 10	3
Physical Education, 20 or 21	1
French 270, 271, 290	6
Spanish 230, 231, 260	5

Third Year

For admission to the Third Year an average of 60% in the French and Spanish of the Second Year is required.

History 45, 46	3
Italian 20	3
French 380, 381	6
Spanish 340, 341, 360	6

Fourth Year

For admission to the Fourth Year an average of 66% in the French and Spanish of the Third Year is required.

French 450, 490, 491	9
Spanish 450, 453, 460	7
Italian 30	3

IX(c). French and Latin

Requirements for Admission: Group 4, page 60, with at least 60% in French and 60% in Latin.

This course is accepted by the Department of Education of Ontario as academic qualification for the Specialist Certificate in French and Latin. See page 43. In this course three years, or the equivalent, of Greek or German must be taken in the University.

Second Year

Subject	*Credits*
German 20 or Greek 20	3
English 30	3
Physical Education 20 or 21	1
French 270, 271, 290	6
Latin 230, 250, 251, 257	8

Third Year

For admission to the Third Year an average of 60% in the Honor courses of the Second Year is required.

Subject	*Credits*
German 30, 31 or Greek 30	3
Greek 29	1
History 45, 46	3
French 380, 381	6
Latin 340, 350, 351, 352	6

Fourth Year

For admission to the Fourth Year a standing of 66% in the French and Latin of the Third Year is required.

Spanish 39, Italian 39	2
French 450, 490, 491	9
Latin 450, 451, 452, 453	7

X. Geology

Requirements for Admission: Group 1, page 59, with an average of at least 60% in the Sciences.

This course satisfies the academic requirements for the Science Specialist Certificate of the Department of Education of Ontario. See page 43.

Second Year

French 1 or German 5 (language not previously taken)	3
Physical Education 20 or 21	1
Botany 250	2½
Geology 220, 251a, 251b	7
Physics 204, 205	3
Zoology 250	2½

Third Year

For admission to the Third Year an average of 60% in the Honor courses of the Second Year is required.

French 10 or German 35 (language of the second year)	3 or 2
Geology 351, 361a, 362b	7
Chemistry 200	4
Geology 356 and Geography 335	5½

Fourth Year

For admission to the Fourth Year a standing of 66% in the Geology and Geography of the Third Year is required.

Economics 20 or English 30 or Psychology 30	3
French 45, German 45	1
Geography 445	3
Geology 452, 454, 455, 457, 458	12½

See also Course V(a), Chemistry and Geology (p. 72).

XI. History

Requirements for Admission: Junior Group 3, page 60, with 60% in History and an average of 60% in English and in the two languages chosen.

This course will satisfy the academic requirements for the qualifying examination for the History Specialist Certificate of the Department of Education only if the options marked with an asterisk have been taken. See page 43.

Subject	**Second Year**	*Credits*
History 236		3
History 257		3
Economics 20		3
Philosophy 30 (or *Business Administration 20)		3
Physical Education 20 or 21		1
Any two of:		
French 30 (authors only), German 30, Latin 30 (authors only), Greek 30 (authors only), Spanish 30, *Geology 20		4 or 6

Third Year

For admission to the Third Year an average of 60% in the Honor courses of the Second Year is required.

Options of both the Third and Fourth Years must be chosen from the same department, that is, from Economics or English or foreign languages.

History 331	3
History 333a	1½
One of History 353b, 354b, 356b	1½
Economics 257	2
Economics 259	2
Psychology 20 (or *Geography 335)	3
One of:	
*Economics 232a, 251, 332b	4
English 30, 251	5
Foreign Language: two of Latin, Greek, French, German, Italian, Spanish, authors only, to be arranged	4

Fourth Year

For admission to the Fourth Year a standing of 66% in History and in Economics of the Third Year is required.

History 444	3
History 452a or 465b	1½
History 455	3
History 460	1½
Economics 233	3
Economics 450	1½
Economics 452	1½
One of:	
Economics 346, 453	4½
English 40 or 48	3
Foreign Language: two of Latin, Greek, French, German, Italian, Spanish, authors only, to be arranged	4
*Geography 445a, 445b	3

XII. Mathematics (Including Actuarial Science) and Physics

Requirements for Admission: Group 1, page 59, with an average of at least 60% in Mathematics and 60% in Physics.

Subject	Second Year	*Credits*
French 1 or German 5 (language not previously taken)		3
Mathematics 250, 254, 261, 262		7½
Physics 250, 251, 254, 255		8
Physical Education 20 or 21		1

MATHEMATICS OPTION

This course satisfies the academic requirements for the Mathematics and Physics Specialist Certificate of the Department of Education of Ontario. See page 43. Degree of B.A.

Third Year

For admission to the Third Year an average of 60% in the Honor courses of the Second Year is required.

Subject	*Credits*
Economics 20 or English 30 or Psychology 30	3
French 10 or German 35 (language of Second Year)	3 or 2
Mathematics 354	2
Physics 360a, 360b	3½
One of Groups I and II below	7

Fourth Year

For admission to the Fourth Year a standing of 66% in the Mathematics and Physics of the Third Year is required.

French 45, German 45	1
History 45a, 46b	3
Mathematics 456a, 466b	3
Physics 351a, 456	3
One of the Groups I and II below	7

The following two groups are given in alternate years, Group I in 1945-6.

Group I

Subject	*Credits*
Mathematics 351a	1
Mathematics 355a	1
Mathematics 359a	1
Mathematics 362b or 355b*	1
Mathematics 364	2
Mathematics 368b	1

Group II

Mathematics 450b	1
Mathematics 452a	1½
Mathematics 453b	1
Mathematics 457	1
Mathematics 462b or 473b*	1
Mathematics 463a	1½

*See Actuarial Science Option.

ACTUARIAL SCIENCE OPTION

This option is intended for students who wish to become actuaries. It differs from the Honor Course in Mathematics and Physics only in the addition of two courses in actuarial science in the place of two credits of mathematics in the third and fourth years. This course will prepare students for four of the six examinations required for Associateship in the Actuarial Society of America and in the American Institute of Actuaries. The first of these may be written in the second year, and the other three in the third and fourth years. These examinations are held on the first Monday, Tuesday and Wednesday after the thirteenth of April and may be written in London. **Application to write these examinations must be made by January 31st.**

Students may elect this option only after consultation with the Head of the Department of Mathematics.

NOTE: This course does not satisfy the academic requirements for the Mathematics and Physics Specialist Certificate of the Department of Education of Ontario.

Third and Fourth Years

Same as Third and Fourth Years in Mathematics Option, except that Mathematics 362b is replaced by Mathematics 355b, and Mathematics 462b is replaced by Mathematics 473b.

PHYSICS OPTION

This course satisfies the academic requirements for the qualifying examination for the Mathematics and Physics Specialist Certificate of the Department of Education of Ontario. See page 43. Degree of B.Sc.

Third Year

For admission to the Third Year an average of 60% in the Honor courses of the Second Year is required.

Subject	*Credits*
French 10 or German 35 (language of the second year)	3 or 2
Mathematics 354	2
Physics 350	3
Physics 351	1
Physics 352 and 355	7
or	
Physics 357 and 365	7

Fourth Year

For admission to the Fourth Year a standing of 66% in the Mathematics and Physics of the Third Year is required.

Subject	*Credits*
French 45, German 45	1
Economics 20 or English 30 or Psychology 30	3
Mathematics 456a, 466b	3
Physics 451 and 457	4
or	
Physics 453 and 456	4
Physics 455	1½
Physics 458	1
Physics 459	4½

XIII. Philosophy and Psychology

This course is offered in University College only.

Requirements for Admission: Group 2, page 60, with at least 60% in Economics and 60% in Psychology.

Second Year

Subject	*Credits*
Biological or Physical Science 11 (one not previously taken)	3
English 30 or History 257	3
Physical Education 20 or 21	1
Philosophy 230, 231a	4
Psychology 235, 236	4
At least three credits from options approved by the Department	3

PHILOSOPHY OPTION

Third Year

For admission to the Third Year an average of 60% in the Honor courses of the Second Year is required.

History 36	3
Philosophy 334b, 337, 343b, 347	6
Psychology 339, 343a	3
At least five credits from options approved by the Department	5

Fourth Year

For admission to the Fourth Year a standing of 66% in the Philosophy and Psychology of the Third Year is required.

Philosophy 442, 450, 451, 452, 458	9
At least three credits from:	
Psychology 444, 446, 448, 449b	3
At least five credits from options approved by the Department	5

PSYCHOLOGY OPTION

Third Year

For admission to the Third Year an average of 60% in the Honor courses the Second Year is required.

Philosophy 343b, 347	3
Psychology 337, 338, 339, 343a	9
At least five credits from options approved by the Department	5

Fourth Year

For admission to the Fourth Year a standing of 66% in the Philosophy and Psychology of the Third Year is required.

Philosophy 442, 450	3
Psychology 444, 446, 448, 449b, 455	10½
At least three credits from options approved by the Department	3

XIII(a). Philosophy and Psychology

This course is open only to students of Assumption College.

Requirements for Admission: Secondary School Graduation Diploma (page 34).

First Year

One year's work in any Junior Group. Admission to the Sophomore Year in Honor Philosophy is subject to approval by the Registrar and the Department of Philosophy.

Second Year

Subject	*Credits*
English 20	2
English 21	1
Physical Education 21	1
Psychology 20x	3
Philosophy 231x	2
Philosophy 237x	2
Philosophy 250x	1
One Foreign Language 20	3
At least 5 credits from options approved by the Registrar and the Department	5

Third Year

English 30	3
Psychology 36x	2
9 credits from these Philosophy courses: 234xb, 237x, 340x, 341xa, 341xb, 342xa, 342xb, 343xa, 343xb, 444xa, 444xb, 445xa, 445xb, 446xa, 446xb, 447x, 448x, 449x, 350x, 450x	9
At least 3 credits from options approved by the Registrar and the Department	3

Fourth Year

English 40	3
12 credits in Philosophy not taken in Junior Year	12
At least 3 credits from options approved by the Registrar and the Department	3

XIII(b). Philosophy and Psychology

This course is open only to students of St. Peter's Seminary College of Arts.

Requirements for Admission: Secondary School Graduation Diploma (page 34).

Subject	First Year	*Credits*
English 10, 11, 19 (pp.117, 118)		4
Latin 10 (p. 104)		3
Library Science 10a (p. 136)		½
Mathematics 10, 12, 18 (p. 137), (any two)		3
Physical Education 11 (p. 157)		1
At least six credits from the following:		
History 14 (p. 128)		3
French 10 (p. 166)		3
German 1 or 10 (p. 124)		3
Greek 1 or 10 (pp. 107, 108)		3
Spanish 1 (p. 170)		3
Italian 10 (p. 169)		3
Latin 25x (p. 105)		3
Botany 10 (p. 88)		3
Chemistry 10 (p. 100)		3
Physics 10 (p. 158)		3
Zoology 10 (p. 92)		3
Religious Knowledge 100x, 101x (p. 165)		3

Second Year

Subject	*Credits*
English 20, 21	3
Latin 20 or 25x or 35x	3
Physical Education 21	1
Philosophy 250x	3
Philosophy 251x	2
Philosophy 257x	2
Philosophy 260x	2
One of:	
Economics 20	3
French 20	3
German 20	3
Greek 20	3
History 257	3
Italian 20	3
Mathematics 18, 20	2½
Religious Knowledge 200x, 201x	3
Spanish 10	3
Option of First Year, not previously taken	3

Third Year

English 30	3
Philosophy 351x	3
Philosophy 352x	3
Philosophy 357x	3
Philosophy 358x	2
One of:	
French 30	3
German 30, 31	3
Greek 30	3
History 20	3
Latin 30 or 35x or 45x	3
Mathematics 22, 24	3
Option of Second Year, not previously taken	3

Fourth Year

English 40 or 48	3
Philosophy 450x	2
Philosophy 451x	3
Philosophy 452x	3
Philosophy 457x	3
One of:	
French 40	3
German 40, 41	3
Greek 40	3
History 36	3
Latin 40 or 45x	3
Option of Third Year, not previously taken	3

Physics

See Chemistry and Physics (p. 73), and Mathematics and Physics (p 82).

XIV. Social Science

Requirements for Admission: Junior Group 2, page 60, with 60% in Economics and in Psychology, with History 14 or 20 in place of Business 20, and Biological Science 11 chosen in preference to Physical Science 11.

Second Year

Subject	*Credits*
Economics 228	3
Economics 232a	1½
Economics 233	3
Economics 259	2
Philosophy 230	3
Philosophy 231a	1
Psychology 235, 236	4
Physical Education 20 or 21	1
One of:	
Biological Science 11 or Physical Science 11 (one not previously taken)	3
Geology 20, or Applied Biology 23, or Zoology 20 or 26	4 or 3
History 257	3
One language	3

Third Year

For admission to the Third Year an average of 60% in the Honor courses of the Second Year is required.

Ursuline College students may count 3 optional credits in Religious Knowledge (other than 10x) in each of the Third and Fourth Years.

Economics 342b	1½
Economics 348a	1½
Economics 346	3
Psychology 337	3
Psychology 339	2
History 45a, 46b	3
Four credits from:	
Economics 300	1½
Economics 342a	1½
Economics 339	1½
Economics 354a	1
Philosophy 337	2
Philosophy 343b	1
Philosophy 347	2
Psychology 338	3
Psychology 343a	1

Fourth Year

For admission to the Fourth Year a standing of 66% in the Economics and Psychology of the Third Year is required.

Economics 449b	1½
Economics 450a	1½
Economics 453b	1½
Economics 462b	1½
Economics 478	1½
Philosophy 442	2
Psychology 446	2
Psychology 448	3
Psychology 449b	1½

Subject	*Credits*
Three credits from:	
Economics 452a	1½
Economics 460	1½
Economics 490	1½
History 31	2
History 44	2
Philosophy 440	2
Philosophy 458	3
Psychology 444	2
Psychology 455	2

XV. The B.Sc., M.D. Course

Requirements for Admission: Group 1, page 59, with an average of at least 60% in the Sciences.

Second Year

Subject	*Credits*
French 1 or German 5 (language not previously taken)	3
Physical Education 20 or 21	1
Botany 250	2½
Chemistry 200	4
Geology 220	5
Physics 204, 205	3
Zoology 250	2½

Third Year

For admission to the Third Year an average of 60% in the Honor courses of the Second Year is required.

French 10 or German 35 (language of the second year)	3 or 2
Botany 466	2½
Chemistry 303	4
Chemistry 444	3½
Zoology 350a, 450b	5
Zoology 357	2

Fourth Year

For admission to the Fourth Year an average of 66% in the Honor courses of the Third Year is required; also the approval of the Committee of the Faculty of Medicine on Admission and Promotion.

The work of the Fourth Year is identical with the First Year of the Medical Course; taken at the Medical School.

ZOOLOGY AND APPLIED BIOLOGY

University College

A. D. ROBERTSON, M.A., F.A.A.A.S., F.R.S.A.,	Professor
JOHN D. DETWILER, PH.D., F.A.A.A.S.,	Professor
HELEN BATTLE, PH.D., F.A.A.A.S.,	Associate Professor
W. H. JOHNSON, B.SC., PH.D.,	Assistant Professor
ADELE LEWIS, B.A.,	Demonstrator
MRS. J. H. SCOTT, M.A.,	Demonstrator

Assumption College

ROBERT CUMMINGS, M.S.,	Professor
SISTER M. RAPHAILDA, M.A.,	Associate Professor
SISTER CLAIRE MAITRE, B.A., B.SC.,	Instructor
J. D. MCCOLL,	Demonstrator
R. LICATA,	Demonstrator

Waterloo College

ROY J. E. HIRTLE, M.SC.,	Professor

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

ZOOLOGY

10. **Elementary Zoology:** the principles of Animal Biology, illustrated by typical animal forms. First term, Invertebrate; second term, Vertebrate. **To qualify for the Honor Courses in Biology a student must obtain 60% in Zoology 10.**

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

Prerequisite: complete college entrance requirements.

Text-book: Holmes, *Biology of the Frog.*

11N. **General:** for students in the B.Sc. course for nurses and in Home Economics.

2 lectures and 2 laboratory hours a week, one term: 1½ credits.

20. **Human Biology:** a course dealing with tissues, organs and systems from the structural, functional and developmental points of view. Protoplasm and the cell and genetics, with its relationship to evolution and to society, will be emphasized. 20a may be elected for 2 credits, but 20b cannot be taken without 20a.

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

Prerequisites: Biol. Sc. 11 (60%) or Zool. 10.

Textbook: Baitsell, ***Human Biology.***

21aN. **Mammalian Zoology:** the evolutionary development of structure and function in the Mammals. For students in the B.Sc. course for nurses and in Home Economics.

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

Prerequisites: Zoology 11N or Biological Science 11 (60%).

Text-book: Baitsell, *Human Biology.*

26. **Elementary Principles of Genetics:** inheritance. 26a may be taken for 2 credits, but it is a prerequisite for 26b.

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

Prerequisite: Zoology 10 or Biol. Sc. 11 (60%).

Text-book: Sinnott and Dunn, *Principles of Genetics.*

Honor Courses

250. **Invertebrate Zoology:** supplements the study of invertebrate animals begun in Zoology 10a. Two primary objectives will be kept in mind: the evolutionary as revealed by comparative anatomy, and the applied as shown by a consideration of the human relationships of a few outstanding economic forms.

2 lectures and 6 laboratory hours a week, one term: 2½ credits.

Prerequisite: Junior Group 1.

Text-book: Storer, *General Zoology.*

350a. **Comparative Anatomy:** the anatomy of the Chordates exclusive of the Mammalia, from the functional and evolutionary points of view.

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

Prerequisite: Zoology 250.

Text-books: Kingsley, *Comparative Anatomy of the Vertebrates.*
Adams, *Introduction to the Vertebrates.*
Neal and Rand, *Comparative Anatomy.*
Hyman, *Comparative Vertebrate Anatomy.*

354b. **Elementary Histology, Embryology and Experimental Biology:** an introduction to the microscopic structure, the functioning and the development of vertebrate tissues and organs as exemplified in the frog.

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

Prerequisites: Zoology 350a.

Text-books: Huettner, *Comparative Embryology of the Vertebrates.*
Holmes, *Biology of the Frog.*
Scott and Kendall, *Microscopic Anatomy of Vertebrates.*
Rogers, *Comparative Physiology.*
McEwen, *Text-book of Vertebrate Embryology.*

357. **Historical Biology:** the history, theory and problems of Biology.

2 lectures a week: 2 credits.

Prerequisites: Zoology 250 and Botany 250.

Text-books: Newman, *Readings in Evolution, Genetics and Eugenics.*
Lindsey, *Text-book of Evolution and Genetics.*
Locy, *Biology and Its Makers.*
Locy, *The Growth of Biology.*
Nordenskiold, *A History of Biology.*
Sinnott and Dunn, *Principles of Genetics.*

450b. **Mammalian Zoology:** a continuation of Zoology 350a, extending the basic concepts of comparative chordate anatomy into the field of mammalian anatomy.

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

Prerequisites: Zoology 350a.

Text-books: Neal and Rand, *Comparative Anatomy.*
Bensley, *Anatomy of the Rabbit.*
Hyman, *Comparative Vertebrate Anatomy.*

452a. **Experimental Zoology:** application of general physical and chemical principles to biological phenomena, to elementary cellular physiology, to regeneration, to tropisms, and to metabolic processes as illustrated by selected invertebrate and vertebrate types.

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

Prerequisites: Zoology 354b.

Text-books: Rogers, *Comparative Physiology.*
Barnes, *Text-book of General Physiology.*
Heilbrunn, *An Outline of General Physiology.*

452b. **Mammalian Physiology:** the functions of the mammalian organ systems.

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

Prerequisite: Zoology 452a.

Reference.: Best and Taylor, *The Living Body.*
Carlson and Johnson, *Machinery of the Body.*
Starling, *Human Physiology.*

454b. **Microscopical Anatomy of Animals:** the structure, development and evolution of animal tissues and organs, including the fundamental principles of embryology, as exemplified in typical invertebrates and vertebrates.

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

Prerequisite: Zoology 354b.

Text-books: Scott and Kendall, *Microscopic Anatomy of Vertebrates.*
Dahlgren and Kepner, *Principles of Animal Histology.*
McEwen, *Text-book of Vertebrate Embryology.*
Richards, *Outline of Comparative Embryology.*
Patten, *The Early Embryology of the Chick.*

456a. **Laboratory Technique:** for Honor Zoology students and other students who may be qualified to take training in laboratory technique: the preparation of materials for study in the Zoological laboratory, the preparation of specimens for the teaching museum,

photography as it pertains to the teaching and practice of Zoology, the preparation of Zoological demonstrations and illustrations.

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

Prerequisites: Third year Honor Biology or the approval of the Dean and of the Head of the Department.

Text-books, Galigher, *Essentials of Practical Microtechnique.*
Guyer: *Animal Micrology.*

APPLIED BIOLOGY

23. **Biological Field-Studies:** a course designed to provide an understanding contact with Nature. Field observations and collections from field trips will form the background of the course. Common Ontario trees, shrubs and birds, local fur-bearers, water-life and representative insects and their relatives will be studied from the point of view of life-history, economic importance, conservation possibilities and scientific identification.

4 class hours a week: 3 credits.

Prerequisite: Biological Science 11 (60%) or its equivalent.

40a. **Arthropoda:** comparative morphology, postembryonic development and economic importance of typical representatives of the main arthropod groups.

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

Prerequisite: Zoology 20.

40b. **Hexapoda:** morphology, organ systems and elementary classification of insects; life-history studies of insects of major economic importance.

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

Prerequisite: Zoology 20.

Honor Courses

460a. **General Arthropodology:** the phylogenetic relationships of arthropods deduced from a study of their morphology and organ systems: life-histories and economic features.

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

Prerequisite: Zoology 350a.

460b. **General Entomology:** morphology, function and general classification of insects: organ systems, biologies and developmental studies.

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

Prerequisite: Zoology 350a.

Text-book: Comstock, *An Introduction to Entomology.*

463b. **Fresh-Water Biology:** an environmental study of inland waters, and the fitness of forms to their environment; problems of con-

servation and of aquatic wildlife. The environmental study will be broadened out into the wider concept of general animal ecology.

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

Prerequisites: Botany 360a, Zoology 250.

Text-books: Welch, *Limnology*.
Needham and Needham, *Guide to the Study of Fresh Water Biology*.

Courses Leading to the Degree of M.A. or M.Sc.

A selection from the following courses will be offered from time to time to suit the qualifications and objectives of the candidates:

544. **Embryology.**

550. **Comparative Anatomy.**

551. **Phylogeny.**

552a. **Experimental Zoology.**

552b. **Mammalian Physiology.**

553. **Ecology.**

554. **Histology.**

555. **Genetics.**

556. **Laboratory Technique.**

557. **History and Theories of Biology.**

558. **Seminar.**

559. **Research.**

560a. **Insect Morphology.**

560b. **Insect Taxonomy.**

561a. **Medical Arthropodology.**

561b. **Economic Entomology.**

562. **Arthropod Morphology:** exclusive of the Insecta

563. **Statistical Methods:** application to biological problems. May also be taken for credit in the third or fourth years.

range: the Conservation movement in Canada, soil erosion, irrigation, the agricultural prospect, forest conservation, water supplies and water power, inland waters, floods, minerals, sources of energy, wild life, recreation, the Canadian population prospect, planning for the future, and allied topics. Lectures by the instructor will be supplemented by field trips and by talks by authorities in the various fields.

3 hours a week: 1½ credits.

335. Identical with 35.

445a. Identical with 45a.

445b. Identical with 45b.

DEPARTMENT OF GERMAN LANGUAGE AND LITERATURE

University College

*N. C. JAMES, PH.D., LL.D.,	Professor Emeritus
R. A. ALLEN, PH.D.,	Professor
H. K. KALBFLEISCH, M.A.,	Associate Professor
EDWARD TAUBE, PH.D., F.A.G.S.,	Assistant Professor

Assumption College

REV. A. J. WEILER, B.A.,	Professor
THERESA BRIDGID O'REILLY, M.A.,	Assistant Professor

Ursuline College

MOTHER M. FELICITAS,	Instructor

Waterloo College

REV. H. SCHORTEN, D.D.,	Professor

General Courses

1. **Elementary German:** the work of Grade XII (Middle School) or its equivalent is covered.

3 hours a week: 3 credits.

Text-books: Schinnerer, *Beginning German* (Original Edition, Macmillan).
Zeydel, *Graded German Reader for Beginners* (Crofts).

5. **Elementary Scientific German:** the elements of German grammar with the reading of easy scientific German. Prescribed for second year honor science students.

3 hours a week: 3 credits.

Text-books: Kalbfleisch, *German Grammar for Science Students.*
Hagboldt, *Anekdoten und Erzählungen* (Heath).
Fiedler and Sandbach, *A First German Course for Science Students* (Oxford).

Obit. March 24, 1945.

10. **Intermediate German:** the work of Grade XIII (Upper School) or its equivalent is covered.

3 hours a week: 3 credits.

Prerequisite: Grade XII (Middle School) German or German 1.

Text-books: Schinnerer, ***Continuing German*** (Macmillan).
Fröschel, *Himmel, meine Schuhe!* (Heath).
Kästner, *Die verschwundene Miniatur* (Heath).
Hagboldt, *Eulenspiegel und Münchhausen* (Heath).
Von deutscher Sprache und Dichtung (Heath).

20. **Advanced German:** translation from modern literary German, grammar, dictation, conversation.

3 hours a week: 3 credits.

Prerequisite: Grade XIII (Upper School) German or German 10.

Text-books: Jaeger, ***Moderne Einakter*** (Crofts).
Meyer, *Gustav Adolfs Page* (Holt).
Viebig, *Der Gefangene* (Crofts).
Jordan, ***Kultur-Geographie von Deutschland*** (Crofts).
Corbett and Eichele, ***Classified Revision Exercises in German*** (Harrap).

30. **Outline of Modern German Literature:** from Romanticism to the present.

2 hours a week: 2 credits.

Prerequisite: German 20.

Text-books: ***The Oxford Book of German Verse.***
Tieck, *Die schöne Magelone* (Appleton-Century).
Grillparzer, *Weh dem, der lügt!* (Oxford).
Keller, *Die drei gerechten Kammacher* (Heath).
Sudermann, ***Frau Sorge*** (Heath).
Hauptmann, *Hanneles Himmelfahrt* (Prentice-Hall).
Mann, *Tonio Kröger* (Crofts).

31. **Grammar:** dictation, conversation.

1 hour a week: 1 credit.

Prerequisite: German 20.

Text-book: Morgan and Mohme, ***German Review Grammar and Composition*** (Heath).

35. **Intermediate Scientific German:** the reading of scientific works in German. Prescribed for third year honor science students.

2 hours a week: 2 credits.

Prerequisite: German 5 or Grade XII (Middle School) German.

Text-book: Greenfield, ***Technical and Scientific German*** (Heath).

39. **German Literature in English Translation:** a survey of German literature for students without a reading knowledge of German.

1 hour a week: 1 credit.

Text-book: Robertson, *The Literature of Germany* (Home Univ. Library).

40. **Outline of Classical German Literature:**

2 hours a week: 2 credits.

Prerequisite: German 30.

Text-books: ***The Oxford Book of German Verse.***
Goethe, *Götz von Berlichingen* (Ginn).
Goethe, *Iphigenie* (Ginn).
Goethe, *Faust* (Part I) (Heath).
Schiller, ***Wallenstein*** (Holt).

41. **Grammar:** prose composition, conversation.
1 hour a week: 1 credit.
Prerequisite: German 31.
Text-book: Mueller, *A Grammar of the German Language* (Part II) (Dent).

45. **Advanced Scientific German:** the reading of scientific works in German. Prescribed for fourth year honor science students.
1 hour a week: ½ credit.
Prerequisite: German 35 or Grade XIII (Upper School) German.

Honor Courses.

All students in Honor Courses will take comprehensive examintions at the end of their final year.

290. **German Romanticism.**
3 hours a week: 3 credits.
Prerequisites: Junior Group 4, see page 60.

291. **Grammar:** conversation, free composition, phonetics.
2 hours a week: 2 credits.
Prerequisites: Junior Group 4, see page 60.
Text-book: Morgan and Mohme, *German Review Grammar and Composition* (Heath).

390. **German Realism:**
3 hours a week: 3 credits.
Prerequisite: German 290.

391. **Grammar:** conversation, free composition.
2 hours a week: 2 credits.
Prerequisite: German 291.
Text-book: Cochran, *Practical German Review Grammar* (Prentice-Hall).

393. **History of the German Language:** elements of Middle High German grammar, readings in M. H. G. lyric.
1 hour a week: 1 credit.
Text-book: Wright, *Middle High German Primer* (Oxford).

460a. **Medieval German Literature:**
2 hours a week: 1 credit.
Prerequisite: German 393.
Text-books: Wenckebach, *Meisterwerke des Mittelalters* (Heath).
Der Nibelunge Nôt (Sammlung Göschen Nr. 1).
Eschenbach, *Parsival* (Sammlung Göschen Nr. 921).

460b. **Contemporary German Literature:**
2 hours a week: 1 credit.
Prerequisite: German 390.

480. **German Classicism:**
3 hours a week: 3 credits.

481. **Grammar:** conversation, free composition.
3 hours a week: 3 credits.
Prerequisite: German 391.

Text-books: Muelier, *A Grammar of the German Language* (Part II) (Dent).
Baerg, *Deutschland* (Holt).

Courses Leading to the Degree of M. A.

Advanced work in German philology, literature, philosophy.

DEPARTMENT OF HEBREW

University College

REV. A. H. O'NEIL, M.A., B.D., Professor

The object of the course in Hebrew is chiefly to provide instruction for 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*, last edition, revised by McFayden. Third-year students must have Davidson's *Hebrew Syntax;* advanced students are recommended to provide themselves with the *Oxford Hebrew Lexicon*.

The Professors reserve the right to rearrange or change the prescription of authors in any year for intramural students.

General Courses

10. Grammar, selections and exercises in translation from English into Hebrew and from Hebrew into English; translation of *Genesis* 1-4, 18; *Psalms*, 2, 8, 19, 23, 51. Grammatical analysis, parsing and vocabulary.
3 hours a week: 3 credits

20. Grammar; exercises in translation from Hebrew into 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 a 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 a week: 3 credits.
Prerequisites: 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, 91, 110, 121-134; *Ecclesiastes* 12; *Proverbs* 1-4, 8; *Job* 28.

3 hours a week: 3 credits.

Prerequisite: Hebrew 30.

DEPARTMENT OF HISTORY

University College

A. G. DORLAND, PH.D., F.R.S.C.,	Professor
F. LANDON, M.A., F.R.S.C.,	Associate Professor
*S. F. MAINE, B.D., PH.D.,	Associate Professor
*H. M. THOMAS, PH.D.,	Assistant Professor
W. K. ROLPH, M.A.,	Instructor
J. J. TALMAN, PH.D.,	Lecturer

Assumption College

†REV. E. G. LEE, M.A.,	Professor
REV. E. C. LEBEL, M.A.,	Associate Professor
REV. J. F. MURPHY, M.A.,	Associate Professor
REV. D. J. MULVIHILL, B.A.,	Instructor
REV. E. M. YOUNG, B.A.,	Assistant Professor
SISTER M. ELISABETH THÉRÈSE, M.A.,	Associate Professor
SISTER ALOYSIUS MARY, M.A.,	Instructor

Ursuline College

SISTER M. MERCEDES, M.A.,	Professor

Waterloo College

MARGARET MACLAREN, M.A.,	Professor

Alma College

HELEN HARDY, B.A.,	Instructor

14. **History of the Americas:** a study of the rise and growth of the various American nations and their relations with one another, against their respective geographical, economic and cultural backgrounds.

3 hours a week: 3 credits.

20a. **Mediaeval History:** lectures, prescribed reading and essays: events and movements in continental Western Europe from the late days of the Roman Empire to the end of the Hundred Years' War in France, to the period of the Golden Bull in Germany and in Italy to the

*On leave, C.A.A. †On leave, 1944-45.

time of the Avignon Captivity. The chief topics are the decline of the Roman State, the Germanic migrations and kingdoms, the Carolingian State, Feudalism, the Church, Towns, the Holy Roman Empire, the developing states.

3 hours a week: 1½ credits.

Text-book: Stephenson, *Medieval History* (Harper).

20b. **The Renaissance and the Reformation:** lectures, prescribed reading and essays; under the Renaissance will be considered the changing attitude toward life, manifesting itself in the new intellectualism, art, science in Italy, Germany and France in particular; the Reformation in Germany and Switzerland.

3 hours a week: 1½ credits.

Text-book: Lucas, *The Renaissance and the Reformation* (Harper).

31. **History of Canada:** lectures, prescribed reading and essays. A survey from the beginning of the French Régime to the present.

2 hours a week: 2 credits.

Text-books: Wittke, *History of Canada* (Longmans).
Creighton, *Dominion of the North.*

33a. **The Development of Self-Government in the British Empire-Commonwealth:** lectures, prescribed reading and reports. The lectures will be grouped under the following heads: the breakdown of the old Colonial System and Policy; British Colonial Policy at the beginning of the Nineteenth Century; the Colonial Reformers and the application of their ideas to Canada and to Australasia; the evolution of self-government in Canada, Australasia, South Africa and India; the growth of colonial nationalism and autonomy, culminating in the achievement of Dominion status; the constitution of the Dominion of Canada, of the Australian Commonwealth, of the Union of South Africa, of the Irish Free State and of India.

3 hours a week: 1½ credits.

Text-books: Knaplund, *The British Empire, 1815-1939.*
Robinson, *Development of the British Empire.*
Egerton, *Federations and Unions in the British Empire.*
Egerton, *Short History of British Colonial Policy.*
Egerton, *British Colonial Policy in the 20th Century.*
Scott, *Short History of Australia.*
Fairbridge, *History of South Africa.*
Currey, *British Colonial Policy.*

36a. **Modern History (1555-1830):** lectures, prescribed reading and essays. The period from 1555 to 1648 will be covered only to outline the proper background for the Treaties of Westphalia, which provides the setting for modern European History. The French Revolution and the era of Napoleon will be studied as a part of the revolutionary developments of the modern world which made the eighteenth century a sort of half-way house between mediaeval times and the present

3 hours a week: 1½ credits.

Text-books: Hayes, *A Political and Cultural History of Modern Europe, 1500-1830, Vol. I* (Macmillan).
Robinson and Beard, *Readings in Modern European History, Vol. I* (Ginn).
Shepherd, *Atlas of Medieval and Modern History* (Holt).

36b. **Modern History (1830-1933):** lectures, prescribed reading and essays: the growth of nationalism and democracy in Europe; political and social reform; scientific, social and economic movements; the colonial and commercial expansion of the European nations as the background of the First World War; the peace settlements; post-war international problems.

3 hours a week: 1½ credits.

Text-books: Schapiro, *Modern and Contemporary European History* (Houghton, Mifflin) or Hayes, *A Political and Cultural History of Modern Europe, 1830-1936, Vol. II.* Robinson and Beard, *Readings in Modern European History, Vol. II* (Ginn). Shepherd, *Atlas of Medieval and Modern History* (Holt).

44. **History of the United States:** the colonial period, the revolution, making of the constitution, westward development, the slavery struggle, the Civil War, reconstruction and later political history to the present day; the character of federal and state governments. The period to the end of reconstruction (1877) will be covered in the first term and the period since that date in the second term.

2 hours a week: 2 credits.

Text-book: Muzzey, *History of the American People.*

45a. **Mediaeval, Renaissance and Reformation History, and the Wars of Religion:** lectures, essays and prescribed reading. The course is a condensation of History 20a and 20b, with the addition of the Wars of Religion. It may not be chosen by a student who has credit for History 20.

3 hours a week: 1½ credits.

Text-book: Ferguson and Brunn, *A Survey of European Civilization* (Houghton, Mifflin).

46b. **Modern History:** a rapid survey course of Continental Europe from the Wars of Religion to the Peace Settlement following the World War (1648-1925). This course may not be chosen by a student who has credit for History 36.

3 hours a week: 1½ credits.

Text-book: See History 45a.

Honor Courses

236a. **Modern History (1555-1830):** for details, see History 36a. Honor students will be required to do special reading and reports in this course.

3 lectures and a seminar a week: 1½ credits.

Prerequisites: Junior Group 3, p. 60.

Text-books: Hayes, *A Political and Cultural History of Modern Europe, 1500-1850, Vol. I* (Macmillan). Robinson and Beard, *Readings in Modern European History, Vol. I* (Ginn).

236b. **Modern History (1830-1933):** for details of course see History 36b. Honor students will be required to do special reading and reports in this course.

3 lectures and a seminar a week: 1½ credits.

Prerequisite: Junior Group 3, p. 60.

Text-books: Hayes, *A Political and Cultural History of Modern Europe, 1830-1936, Vol. II.* Robinson and Beard, *Readings in Modern European History, Vol. II.*

257. **Ancient Civilizations:** the Near East, Greece and Rome.
3 hours a week, lectures and seminars: 3 credits.
Text-book: Smith and Moorhead, *A Short History of the Ancient World* (Appleton-Century).

331. **History of Canada:** a survey from the beginning of the French Régime to the present; lectures, prescribed reading and essays.
Students in this course will be expected to do wide reading in *The Cambridge History of the British Empire, Vol. VI; The Chronicles of Canada; The Makers of Canada; Canada and its Provinces;* works on economic history, and standard biographies.
3 hours a week, lectures and seminars: 3 credits.

333a. **The Development of Self-Government in the British Empire-Commonwealth:** for details, see History 33a. Honor students will be required to do special reading and reports in this course.
3 lectures and a seminar a week: 1½ credits.

353b. **Colonial and British Imperial History:** the Old Colonial System of Spain, Portugal, France, Holland and the First British Empire; the dependent British Empire of today and some of its problems.
3 hours a week, lectures and seminars: 1½ credits.

354b. **History of Latin America:** optional with 353b.
3 hours a week: 1½ credits.

356b. **International Relations and World Problems:** 1918 to the present; optional with 353 or 354b.
3 hours a week, lectures and seminars: 1½ credits.

444. **History of the United States:** see History 44; prescribed for students of the fourth year in the Honor Course in History.
3 hours a week, lectures and seminars: 3 credits.

452a. **History of European Society and Institutions:** this course deals primarily with the social and constitutional history of England to 1660 and emphasizes the use of documents.
3 hours a week, lectures and seminars: 1½ credits.

455. **British Political Parties:** 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 Conservatism; Disraeli and Democratic Toryism; Gladstone and Modern Liberalism; the Irish Parliamentary Party; the Unionist Party; the Labour-Socialist Party.
3 hours a week, lectures and seminars: 3 credits.

460b. **History of European Society and Institutions:** primarily Continental Europe to 1648: complementary to 452a.

3 hours a week, lectures and seminars: 1½ credits.

465a. **Tudor and Stuart England:** optional with 452a.

3 hours a week, lectures and seminars: 1½ credits.

Courses Leading to the Degree of M.A.

The hours and credits to be assigned will be decided by the department. Students desiring to take these courses must notify the department of their intention not later than the June preceding the Fall Term in which the work will be begun.

554. **American History:** a seminar course in selected problems in Canadian and United States history for advanced students who have the necessary prerequisite courses, or for graduate students.

564. **History of the Americas:** selected problems in the history of the Americas, with special reference to the European background and to the Colonial period.

DEPARTMENT OF HOME ECONOMICS

Ursuline College

SISTER IRENE MARIE, M.S.,	Professor
ANNE TERESA MCCARTHY, B.S.,	Instructor
MRS. J. M. TOMLINSON, B.A.,	Lecturer

Alma College

MARGARET PURDY, B.SC.,	Instructor
ELIZABETH LAMB,	Lecturer

Holy Names College

SISTER M. ISIDORE, B.A.,	Instructor

25x. **Household Administration:** a study of the general principles of home construction, including discussions of such subjects as choice of sites, exterior and interior house designs, materials, cost of dwelling, home heating, lighting, plumbing, and kitchen-planning. The selection, care and use of home equipment; planning the work in the home.

2 hours a week: 1 credit.

26x. **Physiology:** a lecture course dealing with the structure and function of the body organs: studies of respiration, circulation, digestion, nervous system, ductless glands, and the special senses. Assigned reading and reports required.

2 hours a week: 1 credit.

30x. **Clothing:** a brief study of the history of textiles; an intensive study of cotton, linen, wool, silk, rayon, and such newer synthetic fibres as nylon; their structure, chemical and physical properties, weaves, manufacture and wearing qualities; selection and buying of household fabrics; practical tests of fabrics for adulteration.

The practical work consists of the selection of material and construction of a simple cotton slip or nightgown, a woolen skirt, a cotton or linen dress, the practice of simple fancy work. Essays and collections of various samples of materials required.

1 lecture and 3 laboratory hours a week: 2½ credits.

31x. **Normal Nutrition:** a study of the normal requirements of the body and the optimum diet; food nutrients and their functions in the body; the effects in the body of a deficiency or lack of any of the nutrients. Readings and assignments required.

2 lecture hours a week all year, 2 laboratory hours a week one term: 2½ credits.

Prerequisite: Home Economics 26x.

32x. **Foods:** a study of the composition, manufacture and food value of various foods. The principles of cookery and food preparation, and the scientific theory underlying them. Meal preparation and service. Readings and assignments.

1 lecture and 3 laboratory hours a week: 2½ credits.

40x. **Clothing:** a study of suitable materials, construction and selection of infants' and children's clothing.

Laundry methods, discussion and practice; stain removal, bleaching agents, water softeners, starches, blues, soaps, dyeing and dry-cleaning; the selection and equipment of the home laundry.

Selection of clothing to suit the personality and figure; choice and care of clothing; clothing selection and budgets; hygiene of clothing.

Practical work consists of the selection and construction of an infant's garment, a woolen garment, a rayon dress, or (with the approval of the instructor) a suit. Essays and practical problems.

1 lecture and 3 laboratory hours a week: 2½ credits.

Prerequisite: Home Economics 30x.

41ax. **Infant and Child Care and Feeding:** pre-natal care of the expectant mother; her diet during pregnancy and lactation; infant care and the care of the pre-school child; the mental, social and emotional development of the child; nutritional needs of the infant in health and disease; preparation of infant feedings; food for the pre-school child; food for the growing child up to 12 years; the school lunch. Readings and assignments.

2 lectures and 2 laboratory hours a week: 1½ credits.

Prerequisite: Home Economics 31x.

42x. **Foods:** the study of foods continued; food preservation; advanced cookery; menu planning; preparation and service of meals for various occasions; student demonstrations. Readings and assignments.

1 lecture and a minimum of 3 laboratory hours a week: 2½ credits.

Prerequisite: Home Economics 32x.

43ax. **Interior Decoration:** design and its application to the interior of the house; colour theory and its application to ceiling, walls, floor, etc.; proportion, harmony, rhythm, and balance as applied to pieces of furniture or assembled furniture; period furniture; illustrated notebook and practical problems.

2 hours a week: 1 credit.

44bx. **Home Nursing and First Aid in the Home:** instruction is given in the location and care of the sick room; taking of temperatures and pulses; simple home care of the sick; emergency treatment; First Aid and simple bandaging; prevention, care and isolation of disease. Essays and practical problems.

2 hours a week: 1 credit.

45x. **Economics of the Household:** marketing and consumer education: a study of marketing to aid in evaluating relative quality, grades, and costs in purchasing for the home; a survey of the marketing system to give a conception of the factors involved in determining the price; standards of living; family income; budgeting; social problems such as relief and domestic employment. Readings, assignments and reports.

2 lecture hours a week: 1 credit.

46bx. **Diet Therapy:** modifications of the normal diet to meet specific dietary needs in disease, e.g., diabetes mellitus, arthritis, digestive disturbances, food allergies; calculation of the nutritive value of specific diets; preparation of foods for diet in disease; tray service. Reports, readings and assignments.

2 lectures and 2 laboratory hours a week: 1½ credits.

Prerequisite: Home Economics 31x.

DEPARTMENT OF LAW

C. C. CARROTHERS, B.A., LL.B., K.C., Lecturer

500. **Domestic Relations:** Eversley, substituting the Canadian Statutes for the English Statutes in the text-book. The parts to be read are: Parts I, II, and IV, to page 811; Part V, 875-9 inclusive, 884-94 inclusive and 919-34 inclusive.

Text-books: Eversley, *Domestic Relations, 1937.*
C. E. D. (Ontario) Vol. 5, pp. 588-693, and pp. 755-830, and supplements.
Statutes: *Infants' Act, R. S. O. 1937*, c. 215.
Children's Maintenance Act. 1937, c. 213.
Children of Unmarried Parents Act, R. S. O. 1937, c. 217.
Children's Protection Act, R. S. O. 1937, c. 312.
Legitimation Act, R. S. O. 1937, c. 216.
Dependents' Relief Act, 1937, R. S. O., c. 214.
Marriage Act, R. S. O. 1937, c. 207.
Married Women's Property Act, R. S. O. 1937, c. 209.
Deserted Wives and Children's Maintenance Act, R.S.O., 1937, c. 211.
Matrimonial Causes Act, 1937, c. 208, including amendments thereto.

501. **Corporations:** the following of the text named below: Part I, ch. 1 to 4, inclusive; Part II, ch. 1 to 5, inclusive; Part III, ch. 2 to 3, page 198, ch. 4 to 13, inclusive; Part IV, ch. 1 and 2, sections 3 and 4; Part V, ch. 1 to 6, inclusive; Part VI, ch. 1 to 6, inclusive.

Text-book: Masten and Fraser, *Company Law of Canada.*
In addition to the statutes dealt with in the Text, the following should be read:
The Companies Information Act, 1937, c. 253.
The Securities Act, 1937, c. 265.

502. **Medical Jurisprudence:** the following portions will be read from the text named below: Volume I, sections 1, 2, 4, 5, 6, 10, 11, 13; Volume II, sections 1-13, inclusive, 15.

Text-book: Taylor, *Medical Jurisprudence* (ed. Smith, 7th edition, 1920)

503. **Theory of Obligation:** Institutes of Justinian.

Book I: Titles 1, 2, 3.

Book III: Titles 13-29 inclusive.

Book IV: Title 1.

504. **Thesis.** See page 45.

DEPARTMENT OF LIBRARY SCIENCE

University College

CATHERINE CAMPBELL, B.A.,	Instructor

Assumption College

*L. B. LAUGHLIN, B.A.,	Instructor
REV. F. DES. FLOOD, B.A., B.L.S.,	Instructor
SISTER ALOYSIUS MARY, M.A.,	Instructor

St. Peter's College

REV. A. J. DURAND, M.A.,	Lecturer

Ursuline College

MARY EILEEN GRIFFIN, B.A., B.L.S.,	Lecturer
ELEANORE CATHERINE DONNELLY, B.A., B.L.S.	Lecturer

Waterloo College

B. MABEL DUNHAM, B.A.,	Lecturer

10a. **The Use of Books and Libraries:** lectures and exercises on the use and arrangement of the card catalogue, standard reference books, bibliography, periodicals and periodical indexes. Prescribed for all students in the first year.

1 hour a week: ½ credit.

Text-book: Campbell and Welling, *Library Science for Canadians.*

See also Teachers' Course, page 177.

*On leave, 1944-45.

DEPARTMENT OF MATHEMATICS AND ASTRONOMY

University College

H. R. KINGSTON, PH.D., F.R.A.S.,	Professor
ARTHUR WOODS, M.A.,	Professor
G. R. MAGEE, M.S., PH.D.,	Associate Professor
RANDAL H. COLE, PH.D.,	Assistant Professor

Assumption College

REV. J. P. RUTH, B.A.,	Professor
REV. A. J. WEILER, B.A.,	Assistant Professor
MARK LAFRAMBOISE, B.A.,	Instructor
A. NOSOTTI, B.SC.,	Instructor
SISTER M. VERONICA, B.A.,	Instructor
O. ROLFSON, M.A.SC.,	Lecturer

St. Peter's College

REV. F. J. LAVERTY, B.A.,	Lecturer

Ursuline College

MOTHER M. EILEEN, B.A.,	Instructor

Waterloo College

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

10a. **Algebra:** functions and their graphs, quadratic equations, ratio and proportion, variation, progressions, interest and annuities, permutations and combinations, binomial theorem.

3 hours a week: 1½ credits.

Prerequisite: Grade XII (Middle School) Mathematics.

Text-book: Brink, *Algebra, College Course* (Appleton-Century).

12b. **Analytic Geometry:** the point, straight line, circle, parabola, ellipse, with an introduction to the hyperbola; application to curve of flight and to reflectors.

3 hours a week: 1½ credits.

Prerequisite: Grade XII (Middle School) Mathematics.

Text-book: Durrant and Kingston, *A New Analytic Geometry* (Macmillan).

18a. **Plane Trigonometry:** chapters I to IX in the text.

3 hours a week: 1½ credits.

Prerequisite: Grade XII (Middle School) Mathematics.

Text-book: Brink, *Plane Trigonometry* (Appleton-Century).

20b. **Algebra:** mathematical induction, determinants of second and third orders and their application to the solution of systems of equations; methods of solving numerical equations; introduction to probability and statistics.

2 hours a week: 1 credit.

Prerequisite: Mathematics 10a or Grade XIII (Upper School) Algebra.

Text-books: *Mimeographed Notes.*
Richardson, *An Introduction to Statistical Analysis* (Harcourt, Brace).
Mathematical Tables (Chemical Rubber Co.)

22a. **Analytic Geometry:** translation and rotation of axes, reduction of equations of second degree to standard forms, polar co-ordinates, parametric equations, introduction to analytic geometry of three dimensions.

2 hours a week: 1 credit.

Prerequisite: Mathematics 10a and 12b or Grade XIII (Upper School) Algebra and Geometry.

Text-book: Sisam, *Analytic Geometry* (Holt).

24. **Calculus:** elements and practical applications.

2 hours a week: 2 credits.

Prerequisite: Mathematics 10a and 12b or Grade XIII (Upper School) Algebra and Geometry.

Text-book: To be determined.

29a. **Descriptive Astronomy:** a survey course: the constellations; 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 and models. This course is not mathematical. Given in alternate years: offered in 1945-46.

2 hours a week: 1 credit.

Text-books: Duncan, *Astronomy* (Harper).
Kingston, *An Easy Pocket Star-Guide for Beginners.*

38b. **Astronomical Navigation:** the trigonometric functions; an introduction to spherical trigonometry; the celestial sphere and its co-ordinate systems; the relation of longitude and time; the determination of latitude and longitude; position lines and fixes; the Marcq St. Hilaire Method.

2 hours a week: 1 credit.

Prerequisite: Mathematics 29a.

Honor Courses

250. **Algebra:** determinants and matrices, undetermined coefficients, partial fractions, recurring series, continued fractions, indeter-

minate equations of first degree, elementary theory of numbers, theory of equations.

2 hours a week: 2 credits.

Prerequisite: Mathematics of Junior Group 1 (page 59).

Text-books: Hall and Knight, *Higher Algebra* (Macmillan).
Lovitt, *Elementary Theory of Equations* (Prentice-Hall).

254. **Calculus:** First term: successive differentiation; maxima and minima of f(x); points of inflection; curve tracing; differentials; rates; change of dependent and independent variables; curvature; envelopes; evolutes; involutes; Mean Value theorem; indeterminate forms; partial differentiation; convergency of series; Taylor's and Maclaurin's series applied to expansion of functions; asymptotes; singular points. Second term: integration as inverse of differentiation and as the limit of summation; methods of integration; reduction formulae; applications.

3 hours a week: 3 credits.

Prerequisite: Mathematics of Junior Group 1 (page 59).

Text-book: Smith, Salkover and Justice, *Calculus* (Wiley).

261a. **Synthetic Solid Geometry.**

2 hours a week: 1 credit.

Prerequisites: Mathematics of Junior Group 1 (page 59).

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

262b. **Analytic Solid Geometry.**

3 hours a week: 1½ credits.

Prerequisite: Mathematics of Junior Group 1 (page 59).

Text-book: Snyder and Sisam, *Geometry of Space* (Holt).

351a. **Synthetic Plane Geometry:** geometry of the triangle and circle, forming a natural sequel to the classical plane geometry of the secondary schools. The course consists of a study of homothetic polygons and circles; similar figures in general; circle of similitude; coaxal systems of circles; circular inversion; Ptolemy's theorem; triangle and quadrangle theorems; Casey's power theorem; circles of antisimilitude; poles and polars; the polar circle; the Miquel theorem; pedal triangles and circles; the Simson line; theorems of Ceva and Menelaus, with applications; the nine-point circle; the Euler line.

2 hours a week: 1 credit.

Prerequisites: Mathematics 250-262b.

Text-book: Daus, *College Geometry* (Prentice-Hall).

354. **Differential Equations:** first term: differential equations of first order; singular solutions; applications; linear equations with constant coefficients; linear equations with variable coefficients; second

term: exact differential equations; integration in series; equations of second order; equations with more than two variables; partial differential equations.

2 hours a week: 2 credits.
Prerequisites: Mathematics 250-262b.
Text-book: Morris and Brown, *Differential Equations, Revised Edition, 1948* (Prentice-Hall).

355a. **Probability and Statistics.**

2 hours a week: 1 credit.
Prerequisites: Mathematics 250-262b.
Text-books: Hall and Knight, *Higher Algebra* (Macmillan).
Freeman, *Mathematics for Actuarial Students, Vol. II* (Cambridge).
Richardson, *An Introduction to Statistical Analysis* (Harcourt, Brace).

355b. **Advanced Statistics:** an extension of Mathematics 355a with special attention to methods of graduation. Available only to students taking the actuarial option.

2 hours a week: 1 credit.
Prerequisites: Mathematics 355a.

359a. **Descriptive Astronomy:** topics of Mathematics 29a, treated more intensively.

2 hours a week: 1 credit.
Prerequisites: Mathematics 250-262b.
Text-book: Duncan, *Astronomy* (Harper).

362b. **Metric Differential Geometry of Curves and Surfaces:** the fundamentals of differential geometry of curves in three-dimensional space; curves and surfaces associated with a space curve; an introduction to differential geometry of general surfaces.

2 hours a week: 1 credit.
Prerequisites: Mathematics 250-262b.
Text-book: Lane, *Metric Differential Geometry of Curves and Surfaces* (Chicago University Press)

364. **Advanced Calculus:** fundamental definitions and theorems, tests for convergence of sequences and series, integration and differentiation of series, hyperbolic functions, partial differentiation of simple and composite functions, Taylor's series, directional derivative, gradient, differentiation of definite integrals, improper integrals, line integration, Green's theorem in two and three dimensions, Stoke's theorem, Jacobians, implicit functions, functional dependence, change of variable in multiple integration, Gamma and Beta functions, introduction to calculus of variations, applications to geometry and physics.

2 hours a week: 2 credits.
Prerequisites: Mathematics 250-262b.
References: Woods, *Advanced Calculus* (Ginn).
Franklin, *Treatise on Advanced Calculus* (Wiley).

368b. **Mathematics for Navigation:** spherical trigonometry; maps and chart projections; theory of astronomical navigation.

2 hours a week: 1 credit.
Prerequisites: Mathematics 359a.
Text-book: To be determined.

450b. **Higher Algebra:** theory of numbers, introduction to group theory, algebraic fields, vector spaces, and matrix algebra.

2 hours a week: 1 credit.

Prerequisites: Mathematics 250-262b.

References: MacDuffee, *Introduction to Abstract Algebra* (Wiley).
Birkhoff, MacLane, *A Survey of Modern Algebra* (Macmillan).
Bôcher, *Introduction to Higher Algebra* (Macmillan).

452a. **Analytic Projective Geometry.**

3 hours a week: 1½ credits.

Prerequisites: Mathematics 250-262b.

Text-book: Magee, *A First Course in Plane Analytic Projective Geometry.*

453b. **Finite Differences:** fundamental difference forms; factorial expansions; interpolation formulae; divided differences; central differences; statistical applications; mechanical quadratures; integration; Euler-Maclaurin's, Woolhouse's and Lubbock's Formulae.

2 hours a week: 1 credit.

Prerequisites: Mathematics 250-262b.

Text-book: Freeman, *Mathematics for Actuarial Students, Vol. II* (Cambridge).

456a. **Theory of Functions of a Real Variable.**

3 hours a week: 1½ credits.

Prerequisites: Mathematics 250-262b.

457. **History of Mathematics.**

1 hour a week: 1 credit.

References: Cajori, *A History of Mathematics* (Macmillan).
Dantzig, *Number, the Language of Science* (Macmillan).
Sandford, *A Short History of Mathematics* (Houghton, Mifflin).
Bell, *Men of Mathematics* (Simon and Schuster).
Bell, *The Queen of the Sciences* (Williams and Wilkins).

462b. **Higher Plane Curves:** fundamentals of higher plane curves; multiple points; poles and polars; Joachimsthal's method of investigating multiple points; class of a curve; the effect of a multiple point on the class of a curve; tangential equation of a curve; inflection points; properties of the Hessian curve; inverse curves; pedal curves; reciprocal polar curves.

2 hours a week: 1 credit.

Prerequisites: Mathematics 250-262b.

References: Ganguli, *The Theory of Plane Curves, Vol. I* (University of Calcutta Press).
Salmon, *Higher Plane Curves.*
Williamson, *Differential Calculus* (Appleton).

463a. **Mathematics of Investment and Life Insurance:** interest, discount, annuities-certain, bonds, capitalized cost, the mortality table, life annuities, life insurance premiums, policy reserves.

3 hours a week: 1½ credits.

Prerequisites: Mathematics 250-262b.

Text-books: Rietz, Crathorne and Rietz, *Mathematics of Finance* (Holt).
Menge and Glover, *An Introduction to the Mathematics of Life Insurance* (Macmillan)

466b. **Theory of Functions of a Complex Variable.**

3 hours a week: 1½ credits.

Prerequisites: Mathematics 250-262b.

Reference: Townsend, *Functions of a Complex Variable* (Holt).

473b. **Actuarial Science:** an extension of Mathematics 463a; available only to those taking the actuarial option.

2 hours a week: 1 credit.

Prerequisite: Mathematics 463a.

Text-book: Spurgeon, *Life Contingencies* (Macmillan).

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:

550. **Theory of Numbers.**
551. **Synthetic Projective Geometry.**
553. **Advanced Actuarial Science.**
554. **Elliptic Integrals.**
559. **Celestial Mechanics.**
560. **Theory of Invariants.**
563. **Insurance Problems.**
564. **Projective Differential Geometry.**
576. **Theory of Algebraic Functions.**

DEPARTMENT OF MUSIC

J. HARVEY ROBB, Director
MAX PIRANI, Hon. R.A.M., Honorary Professor

Two courses in Music, three credits each, permit students of the University to expand their knowledge of music and their proficiency in performance. Applications should be made to the Dean of University College to ascertain if and where these options will be permitted. If allowable, they may both be counted in Senior Group B, or one in Junior Group 2, 3 or 4, and one in Senior Group B. Substitution for prescribed courses in any year of an Honor course must have the concurrence of the head of the Department involved.

The prerequisites of the courses are evidence satisfactory to the Director of Music of elementary standing in applied music (such as proficiency on a recognized instrument or in singing) or in theoretical knowledge. No student will receive credit in the courses for standing already obtained prior to entering the University. He must continue in new work to win his optional credits in Music.

Each course will consist of three parts: history and form, harmony or counterpoint (or both), applied music. Parts of each course may be interchangeable from one year to the other.

Lectures in history and form and in elementary harmony will be provided as part of the University course, but in advanced theory and applied music where individual instruction is necessary each student will be responsible for his or her necessary extra fee.

10. **First Course:**

1. (a) History: the Classic period commencing with the life of Bach and Handel, and including music and life and times of Haydn, Gluck, Mozart and Beethoven.

(b) Form: a knowledge of the musical sentence, cadences and sonata form based on the work of Haydn, Mozart and Beethoven.

2. Elementary Rudiments and Harmony: a knowledge of major and minor scales, intervals, embellishments, dominant seventh chords and their inversions, and the use of primary and secondary chords and cadences.

3. Applied Music: public performance, details of which are at the discretion of the Director of Music or an examination in technique and performance at the discretion of the Director.

20. **Second Course:**

1. (a) History: a knowledge of the music and lives of the Romanticists extending to Wagner and including VonWeber, Schubert, Schumann, Chopin, Liszt, Berlioz and Wagner.

(b) Form: continuance of sonata form, the suites, rondo, fugue and dance forms, etc.

2. Harmony: (a) adding three parts above a figured bass. (b) Harmonizing a melody in four parts or adding a bass to a given melody using passing and auxiliary notes.

3. Applied Music: similar stipulations to the first year but of correspondingly more advanced character.

Prerequisite: Music 10 or equivalent.

DEPARTMENT OF PHILOSOPHY AND PSYCHOLOGY

University College

ROY B. LIDDY, PH.D., LL.D.,	Professor
*DOUGLAS J. WILSON, PH.D.,	Associate Professor
A. H. JOHNSON, PH.D.,	Assistant Professor
LEOLA E. NEAL, Ph.D.,	Instructor
J. K. MCCREARY, PH.D.,	Instructor
G. H. STEVENSON, M.D., F.A.P.A., F.R.S.C.,	Lecturer
NETTA KINGSMILL BRANDON, B.A.,	Demonstrator

Assumption College

REV. E. C. GARVEY, PH.D.,	Professor
REV. D. BARATH, PH.D.,	Professor
REV. A. P. CAIRD, M.A.,	Assistant Professor
REV. J. M. HUSSEY, M.A.,	Instructor
REV. E. S. J. PAULUS, B.A.,	Instructor

St. Peter's College and Ursuline College

REV. J. H. POCOCK, B.A.,	Professor
REV. T. W. FLANNERY, S.T.D.,	Associate Professor
RT. REV. L. M. FORRISTAL, B.A.,	Associate Professor
REV. L. A. WEMPLE, B.A., L.PH.,	Associate Professor
REV. J. A. COOK, M.A.,	Instructor
REV. L. J. FLYNN, S.T.D., S.S.L.,	Instructor

Waterloo College

J. A. RIKARD, M.A., B.D.,	Professor

Philosophy

For the courses offered in Assumption College, see pp. 146ff.

30. **Introduction to Philosophy:** the chief problems of philosophy and the important developments in its history. Emphasis will be placed upon the following topics: the relation of philosophy to the special sciences; theories of knowledge; theories of reality; the philosophy of evolution; the world of values. Outstanding philosophers and tendencies in the history of philosophy will be briefly considered. Offered in University and Waterloo Colleges.

3 hours a week: 3 credits.

30x. **Introduction to Philosophy:** the general problems and divisions of philosophy; Greek Philosophy from Thales to Plotinus, with special reference to Socrates, Plato and Aristotle; lectures, readings and essays. Offered in Ursuline and St. Peter's Colleges.

3 hours a week: 3 credits.

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*On leave, R.C.A.F.

31a. **Methods and Principles of Thinking:** an analysis of reflective thinking as it is employed in the solving of practical and theoretical problems; alternatives to reflective thinking; the structure of logical argument; fallacies in argument; scientific methods of discovery and verification. Offered in University and Waterloo Colleges.

2 hours a week: 1 credit.

33x. **Christian Ethics:** the ethics of the New Testament; the development of ethical thought during the Christian era; Christian ethical standards of today as they affect the individual and society. Offered in Huron College.

2 hours a week, one term: 1 credit.

33x. **Social Ethics:** introduction to basic ethical teachings; fundamental sociological facts and concepts in a moral setting; the social problems confronting modern man. Offered in Ursuline College.

2 hours a week: 2 credits.

Text-books: Murray, *Social Ethics.*
Ross, *A Survey of Sociology.*

34b. **The Philosophy of Democracy:** the meaning of democracy; ways in which it can be achieved; arguments for and against democracy.

2 hours a week: 1 credit.

37. **Greek Philosophy:** a critical study of the contributions made to western culture by Plato, Aristotle, the Stoics and the Epicureans. This course provides an introduction to Greek theories of Politics, Art, the Good Life, Science. Ancient discussion of "modern" problems will be emphasized. Relevant source material will be used.

2 hours a week: 2 credits.

37x. **History of Ancient and Mediaeval Philosophy:** the history of (1) Greek, Roman and Patristic periods, (2) Mediaeval Philosophy and Scholasticism. Offered in Ursuline College.

2 hours a week: 2 credits.

40. **Philosophical Ideas in Modern English Literature:** a critical discussion of some of the important philosophical ideas which are found in or have influenced modern English prose and poetry.

2 hours a week: 2 credits.

42. **Ethics:** a critical discussion of ethical standards in their applications to problems of private and social morality. Offered in University and Waterloo Colleges.

2 hours a week: 2 credits.

43b. **Philosophy of Religion:** the nature, method and value of religion; the relation between religion and science, and between religion and philosophy; the concepts of God, prayer, evil, freedom, immortality; important types of religious philosophy.

2 hours a week: 1 credit.

47. **Modern Philosophy:** the basic teachings of important philosophers from the sixteenth to the nineteenth centuries, inclusive with particular emphasis upon their contributions to Aesthetics, Ethics Politics, Psychology, and Religion.

2 hours a week: 2 credits.

47x. **History of Modern Philosophy:** the transition from Mediaeval to Modern Philosophy; Modern Philosophy. Offered in Ursuline College.

2 hours a week: 2 credits.

Offered in Assumption College only.

13x. **Rational Foundations of Religion:** philosophy of religion; religious and scientific belief; theism and atheism; nature of man; moral responsibility and end.

2 hours a week: 2 credits.

30x. **Introduction to Philosophy:** problems, division and method of philosophy; the relation of philosophy to the special sciences and theology; the principles of natural philosophy, metaphysics, epistemology and moral philosophy; an outline of the main tendencies in the history of philosophy.

3 hours a week: 3 credits.

31x. **Logic:** simple apprehension, judgment, reasoning; idea and term; proposition; definition; division; categories and predicables; deductive reasoning; rules, modes and figures of syllogism; fallacies in argument; inductive reasoning: observation, experiment, description, analysis, synthesis, statistical procedure, verification; a brief introduction to the history of logic.

2 hours a week: 2 credits.

34xb. **The Philosophy of Democracy:** the meaning of democracy; ways in which it can be achieved; arguments for and against democracy.

2 hours a week: 1 credit.

37x. **History of Greek Philosophy:** a study of the contributions made to philosophy by the Pre-Socratic thinkers, Socrates, Plato, Aristotle, the Stoics, the Epicureans, the Alexandrian School and Plotinus.

2 hours a week: 2 credits.

40x. **Philosophical Ideas in Modern English Literature:** a critical discussion of some of the important philosophical ideas which are found in or have influenced English prose and poetry.

2 hours a week: 2 credits.

41xa. **Metaphysics:** being; the transcendental attributes of being; analogy; essence and existence; act and potency; necessity and contingency; the principles of casuality and sufficient reason.

3 hours a week: 1½ credits.

41xb. **Natural Theology:** God's existence; the divine attributes; conservation and providence; the idea of God in the history of philosophy.

3 hours a week: 1½ credits.

42xa. **Ethics:** man's ultimate goal; the moral character of human acts; eternal, natural and positive law; right reason; conscience; habits, virtues and vices; general notions of right and duty.

3 hours a week: 1½ credits.

42xb. **Social Philosophy:** the nature and function of society; the common good; justice, friendship and freedom; authority, government, constitution and legislation; the person, family, private organizations and the state.

3 hours a week: 1½ credits.

43xa. **Epistemology:** pre-scientific and scientific knowledge; the sensible and intelligible value of experience; the degrees of abstraction; the nature and function of concepts; the metaphysical foundation of judgment; truth, opinion and belief; a brief review of the most important tendencies in the theories of knowledge.

3 hours a week: 1½ credits.

43xb. **Philosophy and Special Sciences:** the rise of the special sciences and their reaction on philosophical speculation; the gradual evolution of scientific hypothesis (law and theory); mathematization in the special sciences; the object matter and hierarchy of the special sciences. Required reading: selections from the works of the founders of the special sciences.

3 hours a week: 1½ credits.

44xa. **Theories of World Society:** a historical and philosophical study of suggested principles for a world society; the theories of the Jews, Alexander the Great, the Stoics (especially Seneca, Marcus Aurelius), St. Augustine, Orosius, Charlemagne, Otto von Freisung, Hugh of St. Victor, John of Salisbury, Roger Bacon, Dante, Aegidius Roman-

us, Marsiglio of Padua, Jean Jeandan, Nicolaus Cuzanus, Campanella, Leibnitz, the Liberal economists, Comte, Marx; contemporary tenets; an integral view of world society.

2 hours a week: 1 credit.

44xb. **Humanism and the Renaissance:** a historical and philosophical study of the humanist ideas inherited by the Renaissance; the humanism of Cicero, Quintillian, St. Augustine, poets, historians, scholars, educators, philosophers, and theologians of the early Middle Ages; Hrodzwita, Gerbert of Auriac, Fulbert of Chartres, Bernard and Thierry of Chartres, Rupert of Doetz, Hugh of St. Victor, Bernardus Sylvestria, Alanus de Insulius Hildebert, Otta von Freisung, Adam of St. Victor, Alexander of Neckam, John of Salisbury, Henri D'Aille, Johannes de Garlandia, Roger Bacon, Vincent of Beauvais, Jean Gerson, Nicola de Clemange, Fiche, Guillaume Baude, Gerard Grote, Thomas a Kempis, Erasmus, Petrarch, Salutati, Poggio, Lorenzo Valla, Chrysolarus, Ficino; integral humanism.

2 hours a week: 1 credit.

45xa. **The History of Political Philosophy:** ancient, mediaeval and modern political thought.

3 hours a week: 1½ credits.

45xb. **Contemporary Political Philosophy:** political philosophy after Hegel; fundamental assumptions underlying present day political movements.

3 hours a week: 1½ credits.

46xa. **Aesthetics:** the beautiful and the fine arts; aesthetic enjoyment; natural talent, education and rules in art; imitation, thesis and emotion; the ingenuousness of the work of art and the human end, of the artists; the material conditions and the spiritual value of art; arts prudence and wisdom; Christian art; a brief review of the history of aesthetic theories. Prescribed reading in the history of the fine arts.

2 hours a week: 1 credit.

46xb. **Contemporary Philosophy:** neo-idealism; pragmatism; positivism; neo-realism; neo-scholasticism. Lectures, reports and discussions.

2 hours a week: 1 credit.

47x. **History of Modern Philosophy:** the breakdown of Mediaeval philosophy; the philosophy of the Renaissance; Cartesian mathematicism, spiritualism and idealism; British empiricism and physchologism; German idealism; utilitarianism, relativism, evolutionism.

2 hours a week: 2 credits.

48x. **History of Mediaeval Philosophy:** early Christian philosophy; Patristic thought; Arabian and Jewish philosophy; exaggerated realism, nominalism, conceptualism; Scholastic philosophy; Augustinism, Latin Averroism, Mediaeval Neo-Platonism and sensism.

2 hours a week: 2 credits.

49xa. **The Concept of Nature:** the hylomorphic theory of change: matter and form as nature; natural and forced motions; nature and art; the order and attributes of natures.

2 hours a week: 1 credit.

Honor Courses

Offered in University College only.

The following courses are identical with the pass courses indicated (for description see pages 144-6) except that additional assignments will be required: 230 (30), 231a (31a), 334b (34b), 337 (37), 343b (43b), 347 (47), 440 (40), 442 (42).

450. **Principles and Problems of Philosophy:** philosophical problems related to the special interests of the members of the class will be discussed.

1 hour a week: 1 credit.

451. **Seminar in Greek Philosophy.**

1 hour a week: 1 credit.

452. **Seminar in Modern Philosophy.**

2 hours a week: 2 credits.

458. **Contemporary Philosophy:** a critical study of contemporary tendencies in Logic, Epistemology, Theory of Value and Metaphysics.

2 lectures and 1 seminar hour a week: 3 credits.

Offered in Assumption College only.

The following courses are identical with the general courses indicated except that additional assignments will be required: See pp. 146-8.

230x (30x), 231x (31x), 234xb (34xb), 237x (37x), 340x (40x), 341xa (41xa), 342xa (42xa), 342xb (42xb), 343xa (43xa), 343xb (43xb), 444xa (44xa), 444xb (44xb), 445xa (45xa), 445xb (45xb), 446xa (46xa), 447x (47x), 448x (48x), 449ax (49ax).

250x. **Seminar in Greek Philosophy.**

350x. **Seminar in Mediaeval Philosophy.**

450x. **Seminar in Modern Philosophy.**

Offered in St. Peter's Seminary College of Arts only.

250x. **Psychology: Dynamology:** vegetation; sensation and perception; imagination processes; instinctive action; memory work; feeling and emotion; reflex behavior; intellectual operations; deliberation; the unconscious and abnormal phenomena; the faculty theory and modern psychological research.

3 hours a week: 3 credits.

Text-book: Barbedette and Farges, *Philosophia Scholastica*, Vol. I.

251x. **Formal Logic:** the three operations of the intellect. Conception: the idea; the term; categories and predicables; definition and division. Judgment: assertion and negation; the proposition; the conversion of propositions. Reasoning: deduction and induction; the rules, modes, and figures of syllogisms; fallacies.

2 hours a week: 2 credits.

Text-book: Barbedette and Farges, *Philosophia Scholastica*, Vol. I.

257x. **The History of Pre-Christian Philosophy:** Philosophy in the Orient before Christ; philosophy in the west from its birth among the Ionians to its perfection in Plato and in Aristotle and then its decline; Graeco-Oriental philosophy at the time of Christ.

2 hours a week: 2 credits.

Text-book: Turner, *History of Philosophy.*

260x. **Introduction to Philosophy: Cosmology:** the meaning of philosophy; the main divisions of philosophy; a survey of certain facts and various theories of Physics and of Chemistry; a preliminary consideration of the properties of material things; the intrinsic constitution of material substances; a critical refutation of Mechanism and of Dynamism as cosmological theories; the philosophy of quantity, quality, movement, time, space, and body; the relation of Cosmology to Physics and to Chemistry.

2 hours a week: 2 credits.

Text-book: Barbedette and Farges, *Philosophia Scholastica*, Vol. I.

351x. **Metaphysics: Epistemology and Ontology:** (a) problems of Knowledge; the nature and the existence of certain truth which is objective and based on evidence; the objective reality of sensation and of intellectual processes; the value of authority in obtaining knowledge; (b) problems of Being: essence and existence; the transcendental and the universal properties of being; substantial and accidental being; being in its causes and in its effects; the first principles and the analogy of being.

3 hours a week: 3 credits.

Text-book: Barbedette and Farges, *Philosophia Scholastica*, Vol. II.

352x. **Ethics:** (a) General: the last end of man; its nature and attainment; morality of human acts; the norm of morality; law, eternal,

natural and positive, in relation to morality; right reason; conscience; influence of passions on moral acts; habits; virtues; notions of right and duty; (b) Individual: special rights and duties.

3 hours a week: 3 credits.

Text-book: Barbedette and Farges, *Philosophia Scholastica*, Vol. II.

357x. **History of Philosophy from the Time of Christ to the Renaissance:** Philosophy during the early ages of Christianity: Greek writers: St. Justin, Athenagoras, St. Clement, Origen; Latin writers: Tertullian, Lactantius, St. Augustine, Boethius. Philosophy during the Middle Ages: Arabian writers: Avicenna, Averrhoes; Jewish writers: Avicebron, Moses Maimonides; Scholastic writers: St. Anselm, St. Bonaventure, St. Albert, St. Thomas, Duns Scotus, William of Occam.

3 hours a week: 3 credits.

Text-books: Turner, *History of Philosophy.*
St. Thomas, *De Regimine Principum.*

358x. **Social Philosophy:** historical development of social economy to 19th century liberalism: industrial revolution, capitalism, individualism, collectivism; authoritarian and corporative state: origin and forms of civil organization and administration; social functioning of modern economic society; individual and social character of proprietorship, capital and labor; the business cycle: population, vital statistics; international trade, world peace and progress, the common good.

2 hours a week: 2 credits.

Text-book: Cronin, *Economics and Society.*

450x. **Psychology: The Nature of Man:** man's soul and its essential qualities; the union of soul and body in man; personality; the origin and the immortality of the human soul.

2 hours a week: 2 credits.

Text-book: Barbedette and Farges, *Philosophia Scholastica*, Vol. I.

451x. **Metaphysics: God, The Supreme Being:** the existence of God and the absurdity of atheism; the divine attributes of God and modern agnosticism; the relations of God to the world; creation, conservation, providence; the refutation of pantheism.

3 hours a week: 3 credits.

Text-book: Barbedette and Farges, *Philosophia Scholastica*, Vol. II.

452x. **Special Ethics:** Social: man and society: duties to neighbor, in charity, in justice; domestic society; conjugal, parental, filial rights and duties; education; "Occupational estate": nature and structure; capital and labor, strikes, lock-outs, just wage, fair price, competitive economy, money, credit, banking, investment, production, exchange, consumption, agricultural-industrial relations; civil society; the state, its powers and functions; public utilities, government ownership, economic planning, taxation, citizenship, patriotism, war.

3 hours a week: 3 credits.

Text-books: Barbedette and Farges, *Philosophia Scholastica*, Vol. II.
Papal Encyclicals.

457x. **History of Philosophy from the Renaissance to the Present Day:** Philosophy during the Renaissance: the revival of Platonism, of Humanism, of Scholasticism. Philosophy during the 17th and 18th centuries: the rise of Empiricism, of Idealism, of German Transcendentalism. Philosophy during the 19th and 20th centuries: the rise of Evolution, of Positivism, of Rationalism, of Pragmatism, of Communism; the revival of Thomistic Scholasticism.

3 hours a week: 3 credits.

Text-book: Turner, *History of Philosophy*.

Psychology

Students taking courses which include laboratory work will be required to make a deposit of two dollars to cover supplies and breakages. Any surplus will be refunded at the end of the college year.

In University College, Psychology 20 or 30 is prerequisite to all other courses in psychology.

For courses offered by Assumption College, see pp. 154-5.

20. **Introduction to Psychology:** contemporary psychological methods and tendencies; intelligence and intelligence testing; memory and the learning process; motivation; feeling and emotion; sensation and perception; types of thinking; imagination processes; the integration and disintegration of personality; the unconscious; a brief introduction to social, abnormal and applied psychology. Lectures, prescribed reading and essays.

3 hours a week: 3 credits.

20aN. **General Psychology:** a survey of the important phases of psychology; for students registered in the course for nurses.

3 hours a week: 1½ credits.

30. **Principles and Methods:** a discussion of the motives, emotions, and intellectual abilities of human beings; special emphasis on the effective use of these factors in private and social activities. Open only to students who have neither had nor are taking Psychology 20 or Philosophy 31.

3 hours a week: 3 credits.

35. **Experimental Psychology I:** an elementary course designed to introduce the student to standard laboratory techniques in psychology; emphasis will be placed upon those processes which relate to practical situations such as learning, aesthetic judgment, motor aptitudes.

1 lecture, 2 laboratory hours a week: 2 credits.

36. **Genetic Psychology:** native equipment; sensory, motor, perceptual, emotional, intellectual and language development prior to school age; problems of habit training; parent-child relationship. Some emphasis will be placed upon relevant physiological processes.

2 hours a week: 2 credits.

37a. **Theory and Construction of Mental Tests:** discussion of basic considerations in mental measurement; description and evaluation of typical measuring instruments and their uses; detailed study of tests of early childhood, achievement, intelligence, motor abilities, artistic abilities, interests and attitudes; consideration of persistent problems in the field of mental measurement.

3 hours a week: 1½ credits.

37b. **Statistical Methods in Psychology:** review of elementary techniques such as graphing and tabulation; measures of central tendency, variability and relationship of variables; application of the normal curve to psychological data; correlation; reliability of measures; statistical prediction.

3 hours a week: 1½ credits.

38. **Experimental Psychology II:** a laboratory study of such processes as sensation, perception, reaction times, emotions and the higher thought processes.

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

39. **Clinical Problems in Mental Hygiene:** the clinical approach to mental hygiene; the development of Mental Health Clinics; mental testing; behavior problems; factors promoting mental health. Field practice: observation, mental testing, case studies.

2 hours a week: 2 credits.

43a. **Psychology of Religion:** the structure, genesis, and growth of religious experience; conscious and unconscious elements; types of conversion; the psychological aspects of worship and of religious belief.

2 hours a week: 1 credit.

44. **Modern Systems of Psychology:** a critical examination of some important modern systems of psychology; Introspectionism, Functionalism, Behaviorism, Purposivism, Gestalt, Psychoanalysis.

2 hours a week: 2 credits.

46. **Applied Psychology:** the applications of psychology to the problems of education; the learning process; behavior problems in the school situation; student placement and progress; achievement tests; curricular problems; deviations in educational development; appraisal of teaching efficiency. Personnel work; vocational selection and guidance; training of workers; labor relations; advertising; salesmanship. Application of psychology to medicine, law, the ministry, politics, aesthetics. General problems of human adjustment.

2 hours a week: 2 credits.

48. **Abnormal Psychology:** in the first term the emphasis will be upon minor mental deviations, in the second term upon major mental diseases. The course will include a consideration of abnormal activities in sensation, perception, memory, emotion, thought and be-

havior; a discussion of mental deficiency; a study of psychopathic personalities; an examination from the point of view of psychology of the causes, symptoms and treatment of the psychoses. Among the topics considered will be spiritism, telepathy, hypnosis and psychoanalysis. Wherever possible, cases illustrating special symptoms will be presented.

3 hours a week: 3 credits.

49b. **Social Psychology:** the activities of living beings in response to their social environment. The social setting and psychological foundations of social behavior; the conditioning of personality by the family and other groups; types of prejudice; leadership and prestige in social life; the mob; mental epidemics; propaganda; public opinion.

3 hours a week: 1½ credits.

Offered by Assumption College only.

20x. **Introduction to Psychology:** problems, division and methods of psychology; relations and elements of experimental and rational, theoretical and applied, individual and social psychologies; the field of abnormal psychology; a brief survey of the main ideas in the history of psychology.

Lectures, prescribed reading and essays.

3 hours a week: 3 credits.

35x. **Experimental Psychology:** introduction to laboratory techniques in psychology; general notion of psychological measurements; measuring instruments and their uses; elements of statistical procedure; laboratory study of processes relating to motor aptitudes, aesthetic judgment and learning.

2 lecture hours, 2 laboratory hours a week: 3 credits.

36x. **Genetic and Educational Psychology:** the unfolding of man's faculties; the development and function of habits; motor, sensory, perceptual, emotional, intellectual and moral development; the characteristics of infancy, childhood, adolescence and adulthood; the growth of personality; general tendencies and individual differences, persistent problems of education; a brief critical survey of the leading modern systems of education.

2 hours a week: 2 credits.

37xa. **Theory and Construction of Mental Tests:** discussion of basic considerations in mental measurement; description and evaluation of typical measuring instruments and their uses; detailed study of tests of early childhood, achievement, intelligence, motor tests and appraisals of artistic ability, interests and attitudes; consideration of persistent problems in the field of menal measurement.

3 hours a week: 1½ credits.

A number of laboratory hours will also be arranged.

37xb. **Statistical Methods in Psychology:** review of elementary techniques such as graphying and tabulation; measures of central tendency, variability and relationship of variables; application of the normal curve to psychological data; reliability of measures; statistical prediction.

3 hours a week: 1½ credits.

38. **Advanced Experimental Psychology:** a laboratory study of such processes as sensation, perception, reaction times, emotional and thought processes.

2 lecture hours, 2 laboratory hours a week: 3 credits.

44x. **History of Psychology:** an estimation of the contribution of ancient, mediaeval and early modern philosophers to psychology; a critical examination of some important modern systems of psychology; Introspectionism, Functionalism, Behaviorism, Purposivism, Gestalt Psychology, Psycho-analysis.

2 hours a week: 2 credits.

46x. **Applied Psychology:** the applications of psychology to the problems of education; the learning process; behavior problems in the school; student placement and progress; achievement tests; curricular problems; deviations in educational development; appraisal of teaching efficiency; Personnel work; vocational selection and guidance; training of workers; labor relations; advertising; salesmanship. Application of psychology to medicine, law, religious education, politics, aesthetics. General problems in human adjustment.

2 hours a week: 2 credits.

49xb. **Social Psychology:** the social activities of living beings in response to their social environment; the social, cultural setting and psychological foundations of social behavior; the conditioning of personality by the family and other groups; types of prejudice; leadership and prestige; the mob; mental epidemics; propaganda; public opinion.

3 hours a week: 1½ credits.

On option special lectures will be provided in mental hygiene, abnormal psychology and industrial psychology relating to the personnel problems of leading local industries.

Honor Courses

Offered in University College only.

The following honor courses are identical with the pass courses indicated (for descriptions see pages 152-4) except that additional assignments will be required: 235 (35), 236 (36), 337a (37a), 337b (37b), 338 (38), 339 (39), 343a (43a), 444 (44), 446 (46), 448 (48), 449b (49b).

455. **Introduction to Research:** a seminar advanced course in which each student will select some topic for special investigation.
4 laboratory hours a week: 2 credits.

Courses Leading to the Degree of M.A.

550. **Theories of Mental Activity.**

555. **Research Problems in Experimental Psychology.**

558. **Advanced Abnormal Psychology.**

559. **Advanced Clinical Methods.**

DEPARTMENT OF PHYSICAL EDUCATION

University College

J. HOWARD CROCKER, M.P.E.,	Director
C. V. BOX, B.A.,	Assistant Director
*MARY BARKER, D.P.E.,	Instructor
MRS. F. G. BALDWIN, D.P.E.,	Instructor
JOHN P. METRAS,	Activities Manager

Alma College

NORMA DONLEY,	Instructor

Assumption College

REV. C. ARMSTRONG, B.A.,	Instructor
STANLEY NANTAIS,	Instructor
MRS. V. W. LEACH, L.C.M.,	Instructor

Ursuline College

EDITH KATHERINE MACDONALD,	Student Assistant

Waterloo College

JEAN KRAMP, B.A.,	Instructor

COURSES FOR WOMEN

Enrolment in a Physical Education course is required for students in the first and second years. First year students, in addition, are required to attend lectures in health education. Two hours a week, actual participation, is the minimum for students taking physical education for credit in any year.

The fall program is conducted out-of-doors and includes instruction in archery, golf, riding, soccer, tennis, and swimming at the Y. M. C. A. pool. Occasionally hikes, deck tennis, baseball or volleyball are substituted for regular classes.

*On leave, C.W.A.C.

The winter program offered includes instruction in badminton, basketball, correctives, folk dancing, gymnastics, hockey, swimming, tap dancing. Skating and skiing are extra-curricular activities for which no credit is given nor responsibility taken.

Uniform: a uniform costing approximately $5.00 is required. It is ordered through the University at registration.

10. **General Physical Education:** prescribed for all women in the first year.

2 hours a week: 1 credit.

20. **General Physical Education:** prescribed for all women in the second year.

2 hours a week: 1 credit.

Prerequisite: Physical Education 10.

30-40. **Advanced Physical Education:** optional for women of the third and fourth years.

2 hours a week: each year: 1 credit each year.

Prerequisite: Physical Education 10, 20.

First Aid to the Injured: open to women in all years.

Evening lectures for seven weeks. Credit given for successful completion.

1 hour a week: ½ credit.

COURSES FOR MEN

A student may elect one from each of the following Autumn and Winter groups, and, if his performance justifies it, he will receive credit for the prescribed or elective work of his year.

Autumn: Rugby, soccer, track, horseback riding, training in the Armed Services (see p. 158).

Winter: Boxing and wrestling, hockey, basketball, swimming, gymnastics, badminton, first aid, fencing, training in the Armed Services (see p. 158).

At present military training is compulsory each year for all men eighteen years of age or over.

11. **Physical Education:** required of all men in the first year: one elective autumn activity and one elective winter activity.

2 hours a week: 1 credit.

First Aid to the Injured: a winter option in 11; elementary and advanced courses, seven lectures each, with an examination for Certificate in St. John Ambulance Association.

1 hour a week: ½ credit.

Text-book: *St. John Ambulance Hand Book.*

21. **Physical Education:** required of all men in the second year: one elective autumn activity and one elective winter activity.

2 hours a week: 1 credit.

31, 41. **Advanced Physical Education:** optional for men of the third and fourth years; open only to those who have had Physical Education 11 and 21; one elective autumn activity and one elective winter activity.

2 hours a week, each year: 1 credit each year.

Theory of Physical Education: a winter option in 31, 41. History of principles of physical education; organization and administration of a physical department.

1 hour a week: ½ credit.

Training in the Armed Services: students who are physically fit must, on registration, affiliate themselves with one of the two armed services, that is, (1) with the army through the Canadian Officers' Training Corps (C.O.T.C.), (2) with the Royal Canadian Navy through the University Naval Training Division (U.N.T.D.). Students will be enrolled as cadets in the C.O.T.C., and ordinary seamen in the U.N.T.D. Suitable candidates in each service will be selected and trained for commissioned rank.

DEPARTMENT OF PHYSICS

University College

R. C. DEARLE, PH.D., F.R.S.C.,	Professor
R. L. ALLEN, M.A.,	Professor
A. WILLENA FOSTER, M.A.,	Associate Professor
G. A. WOONTON, M.A.,	Associate Professor
A. M. I. A. W. DURNFORD, PH.D.,	Associate Professor
MRS. R. H. COLE, M.A.,	Demonstrator
E. J. MILLER, M.A.,	Demonstrator
F. W. PYE,	Instrument Maker

Assumption College

REV. F. S. RUTH, B.A.,	Professor
REV. F. DESALES FLOOD, B.A., B.L.S.,	Instructor
SISTER M. ISABEL OF CARMEL, B.A.,	Instructor
R. JANISSE, B.A.,	Demonstrator

Waterloo College

R. J. E. HIRTLE, M.SC.,	Professor

All students taking laboratory work in Physics must pay a deposit of five dollars to the Bursar to cover breakage. Any surplus will be refunded at the end of the college year.

10. **Mechanics and Heat:** a survey prescribed for students intending to major in some branch of science: demonstrations and laboratory exercises covering the following principal topics: systems of measurement; laws of uniformly accelerated motion; elementary analytic statics; rotational motion; simple harmonic motion; hydrostatics and hydrodynamics; surface tension; viscosity; osmosis; thermometry; temperature and its effects; gas laws; calorimetry; change of state; vapor pressure; hygrometry; elementary kinetic theory; first and second laws of thermodynamics, reversible cycles.

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

Text-books: Duncan and Starling, *Dynamics.*
Duncan and Starling, *Heat.*
Saunders, *A Survey of Physics.*

11. **Physical Science:** lectures, demonstrations, laboratory exercises and tutorial groups, designed (1) to present an historical review of the development of the physical sciences, with emphasis on principles rather than facts; (2) to develop some of the practical applications of physical science in the modern world; (3) to outline the present trends in science and to explain the point of view of science toward some of the problems of human existence. Optional in Junior Groups 2, 3, 4 and in Senior Group B.

3 lectures a week: 3 credits.

Text-book: Richards, *The Universe Surveyed.*

21. **Advanced Survey Course:** supplementary to Physical Science 11.

2 lectures, 3 laboratory hours a week: 3½ credits.

Honor Courses

204b. **Sound and Light:** elementary geometrical optics; vibratory motion and wave motion; a very brief introduction to spectroscopy; radiation; interference; diffraction; polarization; the characteristics of musical sounds; methods of sound analysis.

2 lectures, 3 laboratory hours a week: 1½ credits.

Text-books: Saunders, *A Survey of Physics.*
Valasek, *Light.*

205a. **Electricity and Magnetism:** an elementary treatment of the phenomena of electricity and magnetism and electron physics.

2 lectures, 3 laboratory hours a week: 1½ credits.

Text-book: Saunders, *A Survey of Physics.*

250. **Elements of Mechanics:** a mathematical treatment of the principles of statics and dynamics with numerous applications of physical principles.

2 lectures a week: 2 credits.

Text-book: Campbell, *An Introduction to Mechanics.*

251. **Physical Measurements:** lectures on laboratory methods and practical work with emphasis on precision. Training is given in

contracted methods of calculation, and in graphical solution of problems, also in some of the simpler laboratory arts, such as glass-blowing.

3 laboratory hours a week: 1 credit.

Text-book: Goodwin, *Precision of Measurements.*

254. **Sound and Light:** elementary geometrical optics; vibratory motion; spectroscopy; interference; diffraction; polarization; the velocity of light; the propagation of sound; the characteristics of musical sounds; methods of sound analysis; the basis of architectural acoustics.

1½ lecture hours, 3 laboratory hours a week: 2½ credits.

Text-books: Robertson, *Introduction to Physical Optics.*
Valasek, *Light.*

255. **Electricity and Magnetism:** lectures on the principles of electricity and magnetism, including an introduction to electrical measurements.

1½ lecture hours, 3 laboratory hours a week: 2½ credits.

Text-book: Gilbert, *Electricity and Magnetism.*

350. **Vector Mechanics:** an introduction to vectors and their applications to the dynamics of a particle.

3 lectures a week: 3 credits

Text-book: Loney, *Dynamics of a Particle.*

351a. **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.

2 lectures a week: 1 credit.

352. **Properties of Matter and Heat:** a mathematical treatment of periodic motion, gravitation, elasticity, surface tension, osmosis, changes of state, laws of gases.

2 lectures, 3 laboratory hours a week: 3½ credits.

Text-book: Newman and Searle, *The General Properties of Matter.*

354. **Geometrical and Physical Optics:** an advanced treatment of theoretical and applied optics.

2 lectures, 3 laboratory hours a week: 3½ credits.

Text-books: Hardy and Perrin, *Principles of Optics.*
Jenkins and White, *Fundamentals of Physical Optics.*

355. **Electricity and Magnetism:** a mathematical treatment of electro-statics; magnetism; steady currents; magnetic field of a current; chemical and thermal effects; ferromagnetism and the magnetic circuit; electro-magnetic induction; absolute units and standards.

2 lectures, 3 laboratory hours a week: 3½ credits.

Text-books: Page and Adams, *Principles of Electricity.*
Starling, *Electricity for Advanced Students.*

357. **Circuit Analysis:** the principles of circuit analysis applied to networks; transient response of simple circuits; elementary A. C. theory, steady state and transient response; resonance; coupled systems.

2 lectures and 3 laboratory hours a week: 3½ credits.

Text-book: M.I.T. Staff, *Electric Circuits.*

360. **Vector Mechanics:** similar to Physics 350, but with the addition of laboratory work in the first term.

3 lectures a week throughout the year, 3 laboratory hours a week in the first term: 3½ credits.

Reference: Starling, *Mechanical Properties of Matter.*

365. **Electricity and Magnetism:** same as 355 but with 3 laboratory hours per week in the second term only; for students who elect the second of the third year Physics options (p. 82).

2 lectures a week throughout the year, 3 laboratory hours a week: second term: 2½ credits.

405. **Vacuum Tube Theory and Practice:** offered to students in Honor Science courses other than Physics.

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

451a. **Advanced Acoustics:** harmonic functions of time, of space, and of time and space, with complex representation; fundamental partial differential equations; waves along a tube; perfect terminations; radiation from cones and speakers; lumped acoustical constants of mechanical systems; treatment of acoustic circuits in which mechanical and electrical systems are treated together.

2 lectures a week: 1 credit.

453. **Thermodynamics:** a treatment of the laws of thermodynamics, heat engines, reversible cycles, radiation, energy distribution.

2 lectures a week: 2 credits.

Text-book: Birtwistle, *Thermodynamics.*

455b. **Electricity and Magnetism:** electromagnetic theory; development of Maxwell's equations with particular emphasis on applications to radiation problems.

3 hours a week: 1½ credits.

456. **Atomic Physics:** selected topics, with outside reading, including conduction through gases, measurement of electronic charge, radioactivity, positive ray analysis, atomic theory.

2 lectures a week: 2 credits.

457. **Radio:** a course dealing with the theory of vacuum tubes and their applications in radio receivers and transmitters; the technique of cathode ray tubes; the propagation of radio waves; antenna theory; radio direction finding; high frequency and ultra high frequency radiations.

4 lectures first term, 1 lecture second term: 2½ credits.

458. **Seminar:** preparation of papers and reports; reading of historical essays and of articles from current magazines. Prescribed for fourth year students and optional for all students in the Mathematics and Physics course.

1 hour a week: 1 credit.

459. **Laboratory:** designed as an accompaniment to the lecture work of the fourth year. Emphasis is laid upon individuality of work and resourcefulness. As far as possible, training is given in research methods.

9 laboratory hours a week: 4½ credits.

Courses Leading to the Degree of M.Sc..

505. **Vacuum Tube Theory and Practice:** offered as a minor option to graduate students in other branches of science.

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

506. **Atomic Physics:** offered as a minor option to graduate students in other branches of science.

2 lectures a week: 2 credits.

551. **Theory of Relativity:** 2 lectures a week.
553. **Theory of Thermal Radiation:** 2 lectures a week.
554. **Quantum Theory of Line Spectra:** 2 lectures a week.
555. **Electrodynamics:** 4 lectures a week.
556. **X-Rays and Crystal Structure:** 2 lectures a week.
557. **Radio:** similar to 457.
558. **Seminar.**
559. **Research.**

569. **Laboratory:** similar to 469; students in this course will be required to display individual initiative and resourcefulness.

12 laboratory hours a week: 6 credits.

DEPARTMENT OF RELIGIOUS KNOWLEDGE

Assumption College

VERY REV. V. J. GUINAN, M.A.,	Professor

St. Peter's College

RT. REV. A. P. MAHONEY, D.P., V.G.,	Professor

Ursuline College

REV. F. J. BRENNAN, B.C.L., S.T.L.,	Professor
REV. G. F. CHILDS, B.A., J.C.B., J.C.L.,	Lecturer
MOTHER M. ST. MICHAEL, M.A.,	Lecturer

Waterloo College

REV. H. T. LEHMANN, B.A., TH.D.,	Professor
REV. J. A. RIKARD, M.A., B.D.	Professor
REV. H. L. CREAGER, B.A., D.D.,	Lecturer

For courses offered in Huron College, see pages 173-175.

Offered in Assumption College only.

11x. **Religious Knowledge:** lectures, prescribed reading. Revelation in general; pre-Christian revelation; Christian revelation; foundation and marks of the Church; nature of God; the Trinity; creation; redemption.

2 hours a week: 2 credits.

Text-book: St. Thomas, *Compendium Theologiae.*

21x. **Religious Knowledge:** the dogmatic and moral teachings of the Catholic Church: Grace, the Sacraments, Christian morality, basis of morality, duties towards God, duties towards our neighbor, capital and labor. Lectures and prescribed reading.

2 hours a week: 2 credits.

Text-book: Knox, *The Belief of Catholics.*

30x. **Apologetics:** lectures and prescribed reading. *De vera religione;* religion in general; revealed religion; Divinity of the Christian religion.

2 hours a week: 2 credits.

Text-book: Tanquerey, *Synopsis Theologiae Dogmaticae, Vol. I.*

31x. **An Introductory Course on the Bible:** inspiration; methods of interpretation; canonics; Biblical history.

1 hour a week: 1 credit.

References: Gigot, *General Introduction to the Study of Scripture.*
Seisenberger, *Practical Handbook of the Study of the Bible.*

40x. **Apologetics:** lectures and prescribed reading. *De Ecclesia Christi:* Divine institution; constitution: *De Fontibus Revelationibus;* scripture, tradition; modernism; present-day religious conditions.

2 hours a week: 2 credits.

Text-book: St. Thomas, *Summa Theologica, Vol. I.*

41x. **Church History:** the broad outlines of Church History; conversion of the Empire; Genius of the Middle Ages; the Renaissance and the Reformation; the Church and Nationalism.

1 hour a week: 1 credit.

References: Kurth, *The Church at the Turning Points of History.*
Birkhaeuser, *History of the Church.*
Belloc, *Europe and the Faith.*
Pastor, *History of the Popes.*

Offered in Ursuline College.

10x. **The Motives and Means of Catholic Life:** unselfish *vs.* self-regarding loyalty to God; immortality; Man's origin and the Bible; God, the Creator and Lawgiver; the Trinity; the Incarnation;

Mary, Virgin and Mother; God, Our Father; Grace, Prayer and the Seven Sacraments; the Mass; Revelation; Faith and Life. Lectures, essays, and prescribed readings.

2 hours a week: 2 credits.

Text-book: Cooper, *Religion Outlines for Colleges, Course II.*

20x. **The Christian Ideal of Life:** the great commandment; the love of God in daily conduct, in worship; the love of neighbor—charity and the works of mercy; personal, social, and civic charity. Justice and the commandments; human life and modern conditions; marriage, builder of childhood and adulthood; purity, honesty, truthfulness, citizenship, good-will and peace among nations; liberty and the moral law. Lectures, essays and prescribed readings.

2 hours a week: 2 credits.

Text-book: Cooper, *Religion Outlines for Colleges, Course I.*

30x. **Christian Morals:** The foundation of Christian morality; the ten Commandments of God; the Church as teacher and custodian of morality; modern moral problems affecting the individual, the family and society.

2 hours a week: 2 credits.

Text-book: Cooper, *Religion Outlines for Colleges, Course III.*

31x. **History of Liturgy I:** Definition of liturgy; survey of expression of social consciousness in worship from Apostolic to modern times; age of persecution; the Roman mind and worship; Hellenistic influences in worship; the barbarian impact; mediaeval social piety; the Renaissance and Reformation as regards worship; modern communal attitudes towards worship. Lectures, readings and seminars.

1 hour a week: 1 credit.

Text-book: Ellard, *Christian Life and Worship.*

40x. **Catechetics:** Application of modern pedagogical principles to the teaching of religion; methods, devices, aids, the Munich Method.

2 hours a week: 2 credits.

Text-books: Bennett, *Manual of Catechetics.*
Cooper, *Religion Outlines for Colleges, Course IV.*

41x. **History of Liturgy II:** Sociology of worship up to the death of Christ; primitive religious worship; social worship among the Babylonians, Egyptians, ancient Chinese, Hindus, etc.; religion in classical times; the Old Testament; the historical books, the prophets, etc., up to and including the Messiah.

1 hour a week: 1 credit.

Text-books: The Bible.
Seisenberger, *Practical Handbook of the Study of the Bible.*
Muntsch, *Cultural Anthropology.*

Offered in St. Peter's Seminary College of Arts only.

100x. **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 a week: 1 credit.

Text-book: Sheehan, *Apologetics and Catholic Doctrine.*

101x. **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 a week: 2 credits.

Text-books: Birkhaeuser, *History of the Church.*
Poulet, *A History of the Catholic Church, Vols. I and II.*

200x. **Christian Doctrine:** lectures, prescribed reading and essays. God, the Sanctifier; the Sacramental System; the Last Things.

1 hour a week: 1 credit.

Text-book: Sheehan, *Apologetics and Catholic Doctrine.*

201x. **Church History:** lectures, prescribed reading and essays. The Reformation Period and Modern Church History.

2 hours a week: 2 credits.

Text-books: Birkhaeuser, *History of the Church.*
Poulet, *A History of the Catholic Church, Vols. I and II.*

Offered in Waterloo College only.

19x. **Biblical Literature:** a study of the times, life, and teachings of Jesus, based on the Gospels.

2 hours a week, second term: 1 credit.

Text-book: Robertson, *A Harmony of the Gospels.*

29x. **Biblical Literature:** a study of the foundation and work of the early Christian Church, with special attention to The Acts and to the life and letters of Paul.

1 hour a week: 1 credit.

Text-book: *The Bible* (American Standard Version).

39x. **Biblical Literature:** a study of the lives and teachings of the Hebrew Prophets. This course also includes a brief study of the Old Testament Apocrypha.

2 hours a week: 2 credits.

Text-books: *The Bible* (American Standard Version).
Smith and Irwin, *The Prophets and Their Times.*

47x. **English Bible:** literary introduction and survey of contents. The Old Testament and the Epistles are given alternately. For divinity students only.

4 hours a week, one term: 2 credits.

48x. **Church History:** the Ancient and Mediaeval periods are given alternately with the Reformation and Modern periods. For divinity students only.

4 hours a week, one semester: 2 credits.

DEPARTMENT OF ROMANCE LANGUAGES

University College

R. W. TORRENS, PH.D.,	Professor
A. DOROTHY TURVILLE, PH.D.,	Professor
W. E. COLLIN, L. ès L., M.A.,	Associate Professor
H. E. JENKIN, B.A.,	Associate Professor
*FRANCES K. MONTGOMERY, M.A., DR. DE l'U. DE PARIS,	Assistant Professor
MRS. A. JARED, PH.D.,	Assistant Professor
MRS. W. E. COLLIN, B.A.,	Lecturer

Alma College

MRS. P. S. DOBSON, B.A.,	Instructor

Assumption College

REV. E. J. LAJEUNESSE, M.A.,	Professor
REV. J. F. MALLON, M.A.,	Associate Professor
A. J. SHARON, B.A.,	Instructor
SISTER MARIE BLANDINE, B.A.,	Assistant Professor
SISTER M. FRANCIS EDWARD, B.A.,	Instructor

St. Peter's College

REV. W. F. SIMPSON, M.A.,	Professor
REV. A. J. DURAND, M.A.,	Instructor

Ursuline College

†M. M. MARIE, M.A.,	Professor
†M. M. ROSANNA, M.A.,	Instructor

Waterloo College

W. D. EVANS, M.A.,	Professor

FRENCH

General course students may, with the consent of the Head of the Department, elect French 381 and 491 as optional credits towards graduation.

10. **Intermediate French:** grammar, dictation, translation, oral practice.

3 hours a week: 3 credits.

Text-books: Parker, *French Practice Book* (Heath).
Lyons & Wiley, *Reading French* (Holt).
Renaud, *Les deux idoles* (Heath).

*On leave, C.W.A.C. †Also lecturers in University College, 1944-5.

20. **Advanced French:** grammar, translation, free composition, oral practice.

3 hours a week: 3 credits.

Prerequisite: French 10 or Grade XIII French.

Text-books: Brown, *Handbook of Everyday French* (Macmillan).
France, *Le Livre de mon Ami* (Heath).
Klinck, *Allons gai!* (Ryerson).
Deval, *Tovaritch* (Holt).

30. **Outline of French Literature** (origins to 1700 A.D.).

3 hours a week: 3 credits.

Prerequisite: French 20.

Text-book: Steinhauer and Walter, *Omnibus of French Literature, Volume I* (Macmillan).

33. **Business and Economic French:** business correspondence, simple transactions, selected reading. Prescribed for students in Secretarial Science, optional in Business Administration. Given in University College only.

3 hours a week: 3 credits.

Prerequisite: French 20.

39. **Outline of French Literature in English.** For students in the Honor English Course who have no reading knowledge of French. Elective also in the General Course, Senior Group B.

1 hour a week: 1 credit.

Text-book: Guyer, *The Main Stream of French Literature* (Heath).

40. **Outline of French Literature** (1700 A.D. to the present time).

3 hours a week: 3 credits.

Prerequisite: French 30.

Text-book: Steinhauer and Walter, *Omnibus of French Literature, Vols. I and II* (Macmillan).

43. **Business and Economic French:** advanced transactions, reading. Prescribed for students in Secretarial Science. Given in University College only.

3 hours a week: 3 credits.

Prerequisite: French 33.

45. **Scientific French:** the reading of scientific French, from text-books and journals, supplemented by reading in the special field of research of each student.

1 hour a week: ½ credit.

Prerequisite: French 10 or Grade XIII French.

Honor Courses

All students in Honor Courses will take a comprehensive examination at the end of their final year. See page 38.

270. **French Literature of the Renaissance and Classical Periods:** Study of representative literature of the sixteenth and seventeenth centuries; reading, lectures, discussion and reports.

3 hours a week: 3 credits.

Prerequisite: Junior Group 4.

271. **Prose Composition, Phonetics.**

1 hour a week: 1 credit.

Prerequisite: Junior Group 4.

290. **French Civilization and Culture:** survey of the most significant French cultural achievements and a study of the background which produced them: lectures, reading, reports.

2 hours a week: 2 credits.

Prerequisite: Junior Group 4.

380. **The Literature of the Eighteenth Century:** lectures, reading, discussion, reports in French.

3 hours a week: 3 credits.

Prerequisite: French 270.

381. **Grammar, Phonetics and Conversation.**

3 hours a week: 3 credits.

Prerequisite: French 271.

An equivalent course is given also at Trois Pistoles, P.Q., during July and August. For full details see special bulletin.

450a. **Mediaeval Period:** reading of Old French, historical grammar, history of mediaeval literature; reading, lectures, reports.

3 hours a week: 1½ credits.

Prerequisite: French 380.

450b. **Contemporary French Literature:** study of some typical examples of the novel and drama of this century: reading, lectures, reports.

3 hours a week: 1½ credits.

Prerequisite: French 380.

490. **The Literature of the Nineteenth Century: lectures, reading and essays in French.**

3 hours a week: 3 credits.

Prerequisite: French 380.

491. **Advanced Composition, Grammar and Phonetics.**
3 hours a week: 3 credits.
Prerequisite: French 381.

An equivalent course is given also at Trois-Pistoles, P. Q., during July and August. For full details see special bulletin.

Courses Leading to the Degree of M.A.

550. **Contemporary French Poetry.**

551. **Advanced French Composition.**

553. **Old French and Philology.**

560. **The Literature of French Canada.**

ITALIAN

10. **Elementary Italian:** grammar, pronunciation, translation of simple texts.
3 or 4 hours a week: 3 credits.

Text-books: Russo, *First Year Italian* (Heath).
Wilkins and Marinoni, *L'Italia* (Heath).
Goggio, *A New Italian Reader for Beginners* (Heath).
Goggio, *Six Easy Italian Plays* (Heath).

20. **Intermediate Italian:** review of grammar, translation of modern Italian.
3 hours a week: 3 credits.
Prerequisite: Italian 10.

Text-books: Cioffari, *Italian Review Grammar* (Heath).
Deledda, *Marianna Sirca* (Heath).
Pirandello, *Così è (se vi pare)* (Heath).
Cantarella and Richards, *Deici novelle contemporanee* (Holt).
Collodi, *Le avventure di Pinocchio* (Heath).

30. **Outline of Italian Literature and Civilization:** composition, translation, history of literature. Not given in 1945-46.
3 hours a week: 3 credits.
Prerequisite: Italian 20.

39. **Italian Literature in English Translation:** a survey of Italian literature for students without a reading knowledge of Italian.
1 hour a week: 1 credit.

40. **Advanced Italian:** composition, study of Dante. Not give in 1945-46.
3 hours a week: 3 credits.
Prerequisite: Italian 30.

SPANISH

1. **Elementary Spanish:** grammar, translation, dictation, oral practice.

3 or 4 hours a week: 3 credits.

Prerequisite: admission requirements.

Text-books: Dale and Bergin, *Spanish Grammar* (The Ronald Press).
Mapes and López-Morillas, *Y va de cuento* (Ginn).
Hall and Oñate, *First Spanish Graded Reader* (Thomas Y. Crowell Co.).

10. **Intermediate Spanish:** grammar, translation, composition, oral practice.

3 hours a week: 3 credits.

Prerequisite: Spanish 1 or its equivalent.

Text-books: Hills, Ford, Rivera, *Brief Spanish Grammar for Colleges* (Heath).
Camba, *La rana viajera* (Heath).
Palacio Valdés, *José* (Heath).

20. **Advanced Spanish:** grammar review, composition, translation, oral practice.

3 hours a week: 3 credits.

Prerequisite: Spanish 10 or its equivalent.

Text-books: Sims and Switzer, *Repaso y composición* (Heath).
Wilkins, *Omnibus of Modern Spanish Prose* (Doubleday, Doran).

30. Identical with 230.

31. Identical with 231.

39. **Spanish Literature in English Translation:** a survey of Spanish literature for students without a reading knowledge of Spanish.

1 hour a week: 1 credit.

40. Identical with 340.

41. Identical with 341.

Honor Courses

230. **Spanish Drama** since the 17th Century: lectures, reading, discussion, reports.

2 hours a week: 2 credits.

Prerequisite: Spanish 20.

231. **Commercial and Industrial Spanish:** Grammar, Composition.

2 hours a week: 2 credits.

Prerequisite: Spanish 20.

260. **Spanish Lyric Poetry:** lectures, reading, discussion.

1 hour a week: 1 credit.

Prerequisite: Spanish 20.

340. **Modern and Contemporary Spanish Novel:** lectures, reading, discussion, reports.

2 hours a week: 2 credits.

Prerequisite: Spanish 230 and 260.

341. **Advanced Composition, Grammar, Commercial and Industrial Spanish.**

2 hours a week: 2 credits.

Prerequisite: Spanish 231.

360. **Spanish Drama of the Golden Age:** reading of typical plays of Lope de Vega, Calderón, Tirso de Molina, Alarcon, Rojas Zorilla, lectures, reports.

2 hours a week: 2 credits.

Prerequisite: Spanish 230 and 260.

450. **Spanish Ballad, Picaresque Novel, Cervantes:** lectures, reading, discussion.

2 hours a week: 2 credits.

Prerequisite: Spanish 340 and 360.

451. **Spanish Historical Grammar, Composition, Conversation:** study of phonology, morphology, reading of old Spanish texts; advanced composition and conversation.

2 hours a week: 2 credits.

Prerequisite: Spanish 340, 341, 360.

460a. **History of Spanish America:** (See History 354).

460b. **Spanish. American Literature and Civilization:** a study of the cultural history of the South American Republics.

3 hours a week: 3 credits.

Prerequisite: Spanish 340 and 360.

DEPARTMENT OF SECRETARIAL SCIENCE

MARY H. GILLESPIE, M.A.,	Assistant Professor
MRS. J. A. SPROULE, B.A.,	Instructor
MRS. W. M. ANDERSON, B.A.,	Instructor
MABEL A. HYND,	Assistant
MRS. C. B. CHAPMAN, B.A.,	Assistant

Students are warned that the difficulty of adjusting timetables makes it impossible for those who are unable to pass the final tests of each year to take general Arts subjects of a succeeding year in conjunction with their Shorthand and Typewriting. Therefore students who fail to pass in one or more of their subjects are faced with the possibility of having to lose an entire year.

Students taking courses in this department will be charged a laboratory fee of four dollars in each of the second, third and fourth years.

28-29. Shorthand and Typewriting:

Pitman's Shorthand: theory; speed up to 60 words a minute, and typed transcription of notes. Touch system of typewriting; care of machine; letter styles; copying from manuscript and printed matter; centring; accuracy and time tests.

12 hours a week: 6 credits.

Prerequisite: first year of the course (page 62) without conditions.

Text-books: *Pitman Shorthand* (Canadian Centennial Edition).
Pitman's Shorthand Dictionary.
Stuart, *Complete Typewriting Course.*

37. **Office Practice:** the foundation of the work in Office Practice is laid in the third year. Lectures are given on office methods, and actual duties are undertaken in the Secretarial Science Office of the University.

5 hours a week: 3 credits.

Prerequisites: Secretarial Science 28-29.

38-39. Shorthand and Typewriting:

Shorthand speed up to 100 words a minute; typed transcription of notes; typewriting from manuscript; tabulation; carbon copies; telegrams; financial statements; legal documents; methods of duplicating; accuracy and time tests.

12 hours a week: 6 credits.

Prerequisites: Secretarial Science 28-29.

Text-books: *Pitman's Shorthand Dictionary.*
Stuart, *Complete Typewriting Course.*

47. **Office Practice:** the responsible duties of the various members of an office staff and the operation of modern office equipment are undertaken by the fourth year students. Units of work are assigned in rotation. Lectures are given on secretarial duties, office organization, the administration of services, the problem of office personnel.

15 hours a week: 7 credits.

Prerequisites: Secretarial Science 37, 38-39.

48-49. **Shorthand and Typewriting:**

Shorthand speed up to 130 words a minute; typed transcription of notes; typewriting: speed up to 60 words a minute; typing from advanced copy (technical matter, foreign languages) and from dictation.

10 hours a week: 5 credits.

Prerequisites: Secretarial Science 38-39.

Text-books: *Pitman's Shorthand Dictionary.*
Stuart, *Complete Typewriting Course.*

DEPARTMENT OF SLAVONIC LANGUAGES

L. IGNATIEFF, B.A., Instructor

10. **Elementary Russian:** a beginning course; pronunciation, grammar, dictation, translation, composition.

3 hours a week: 3 credits.

20. **Intermediate Russian:** grammar, dictation, translation, composition and conversation.

3 hours a week: 3 credits.

THEOLOGICAL OPTIONS

Offered by Huron College

Apologetics

REV. H. E. MERIFIELD, B.A., B.D., Lecturer

10ax. **Philosophical Theism:** proofs of the existence of God; the Divine attributes, etc.; the anti-theistic conceptions of God—Polytheism, Dualism, Materialism, Pantheism, Deism, Agnosticism; the theistic conceptions of God, e.g. Hebrew Monotheism, Theistic Dualism, Christian Theism, modern forms of Theism.

10bx. **Christian Evidences:** the Christian Revelation; the Life, Person, Teaching, Miracles, Resurrection of Jesus, His Influence on the World.

2 hours a week: 2 credits.

References: Harris, *Pro Fide* (John Murray).
Gore, *Belief in God* (John Murray).
Garvie, *The Christian Belief in God* (Hodder and Stoughton).
Galloway, *The Philosophy of Religion, Parts 2 and 3.*
Gore, *Belief in Christ.*
Robbins, *A Christian Apologetic* (Longmans).
Paley, *Evidences.*
Tillett, *The Paths that Lead to God* (Cokesbury).

Church History

REV. M. A. GARLAND, M.A., Lecturer

10ax. **Early and Mediaeval Church History (to 1377):** lectures, prescribed reading and essays: the background of Christianity; its organization; the persecutions; the controversies; the rise and

growth of the Papacy; Monasticism; Christian Literature; the Orders; the Crusades; the relation of the Church to political, social and economic movements.

3 hours a week: 1½ credits.

40x. **History of the Church in England (to 1603):** the people's faith in the 14th century; the Renaissance, and the Reformation; documents and source material. Lectures, essays and prescribed readings.

2 hours a week: 2 credits.

Homiletics

REV. A. A. TRUMPER, L.TH., Lecturer

19x. **Public Reading:** preparation and delivery of sermons.

1 hour a week: 1 credit.

Text-books: Philips, *Effective Speaking*, or
Winans, *Public Speaking*.
Curry, *Vocal and Literary Interpretation of the Bible*.

29x. **Advanced Class.**

1 hour a week: 1 credit.

Text-books: Bull, *Preaching and Sermon Construction*.
Garvie, *The Christian Preacher*.
Phillips Brooks, *Lectures on Preaching*.
Butterick, *Jesus Came Preaching*.

New Testament

REV. R. P. D. HURFORD, B.A., D.D., Lecturer

The English Bible is the text-book in all these courses.

11x. **History of New Testament Times:** a survey of the Graeco-Roman world, its political, social and religious condition at the time of the origin of Christianity. Particular reference to Judaism, apocalyptic and Jewish history, 175 B. C. to 70 A. D.

1 hour a week: 1 credit.

21x. **Synoptic Gospels, and the Acts of the Apostles:** special study of the Life and Teaching of Jesus.

1 hour a week: 1 credit.

31x. **The Pauline Epistles,** and the Epistles to the Hebrews.

1 hour a week: 1 credit.

41x. **The Johannine Writings,** and the Catholic Epistles.

1 hour a week: 1 credit.

Old Testament

REV. M. B. PARKER, M.A., B.D., Lecturer

The English Bible is the text-book in all these courses.

10x. **Old Testament, Background and History:** the geography of Palestine, and the history of the Hebrew people from Abraham to

the Grecian period. The growth of the Sacred writings, religious customs and worship.

1 hour a week: 1 credit.

20x. **Books of the Law, and Historical Writings:** a study of the books of the Pentateuch; a more detailed study of Hebrew sacred history from the books Joshua to Esther.

1 hour a week: 1 credit.

30x. **The Prophets and their message:** an interpretation of the lives and teachings of the Literary Prophets.

1 hour a week: 1 credit.

40x. **Old Testament Poetry and Philosophy:** a study of the Psalms and other poetical books; Job, Ecclesiastes, Proverbs.

1 hour a week: 1 credit.

OPTIONS IN COURSE FOR TEACHERS (pages 66f.)

A course the number of which is followed by T is available only in, and counts for graduation only in, the Course for Teachers of Elementary Schools.

Applied Biology

23S. **Biological Field Studies:** Ontario trees, shrubs, birds, water life, insects, from the point of view of economic importance, conservation, scientific identification. Summer School only.

11 hours a week: 1½ credits.

Art

20T. **History of Early Art:** design and lettering, drawing and sketching. Summer School only.

11 hours a week: 1½ credits.

30T. **History of Mediaeval and Modern Art:** drawing, sketching and painting. Summer School only.

Prerequisite: Art 20T.

11 hours a week: 1½ credits.

Astronomy

29S. **Descriptive, not mathematical:** the earth, sun, solar system, planets, comets and meteors, stars and constellations, the Milky Way, our universe and others. Summer School only.

5 hours and one evening observation a week: 1 credit.

Economics

29T. **Community Organization:** historical background of the Ontario rural community—economic and social, characteristics of the rural community, institutions affecting rural life, such as co-operatives, Federation of Agriculture, visual education, radio forums, community centres, health organization. Summer School only.

5 hours a week: 1 credit.

39T. **Rural Sociology:** the rural citizen, the school in the community, education for rural living, co-ordination of rural interests. Summer School only.

7 hours a week: 1½ credits.

Educational Counselling

20T. **Principles and applications.** Summer School only.

5 hours a week: 1 credit.

30T. Continuation of 20T which is a prerequisite. Summer School only.

5 hours a week: 1 credit.

English

19S. **Speech Correction:** designed to familiarize the student with the anatomy and physiology of the speech organs and to lay the foundation for general speech corrective work in the Elementary Schools. Summer School only.

5 hours a week: 1 credit.

21T. **Composition:** a review of English grammar, spelling, the mechanics of writing, themes and conferences. Summer School and Extramural Department.

5 hours a week: 1 credit.

26T. **Reading:** to improve expression and comprehension, to increase reading speeds. Summer School only.

5 hours a week: 1 credit.

29S. **Clinical Methods in Speech Correction:** practical course, directed clinical training in speech re-education. Summer School only.

Prerequisite: English 19S.

5 hours a week: 1 credit.

31T. **Composition:** relation of material to style, making of reports and synopses, letters (business and social). Summer School and Extramural Department.

Prerequisite: English 21 or 21T.

5 hours a week: 1 credit.

33T. **History of the English Language:** vocabulary, syntax, accidence, phonology from historical point of view. Summer School only.

5 hours a week: 1 credit.

36S. **Dramatics:** the mechanics of play-production, costume, make-up, lighting, etc. Summer School only.

11 hours a week: 1½ credits.

46S. **Dramatics:** production of several one-act plays, and/or one long play, acting and directing. Summer School only.

Prerequisite: English 36T.

11 hours a week: 1½ credits.

Geography

20S. **Introductory:** weather, climate, land forms, rocks and minerals. Summer School and Extension Departments only.

11 hours a week: 1½ credits.

Handicrafts

20T. **Craft work:** for all grades. Summer School only.

11 hours a week: 1½ credits.

30T. A continuation of 20T, which is a prerequisite. Summer School only.

11 hours a week: 1½ credits.

History

35S. **Great Britain and Europe:** from 1660. Summer School (2), and Extension Departments (1).

8 hours a week: 3 credits.

Library Science

10S. **The Use of Books and Libraries:** card catalogue, reference books, periodicals, bibliography, rural school libraries; stories and story telling. Summer School only.

5 hours a week: 1 credit.

Mathematics

20S. **Statistics:** an introductory course developing the fundamental concepts of statistics as applied in practical and scientific fields: special emphasis on topics which have direct application in the classrooms and community. Summer School only.

5 hours a week: 1 credit.

23T. **Business Arithmetic:** mainly applications. Summer School only.

5 hours a week: 1 credit.

Music

20T. **Vocal or Instrumental** (orchestra). Summer School only.

11 hours a week: 1½ credits.

30T. Continuation of Music 20T, which is a prerequisite. Summer School only.

Public Health

30S. **Introductory:** application of general principles of sanitation to the health of the public. Previous standing in Grade XIII Chemistry and Biology desirable. Summer School only.

11 hours a week: 1½ credits.

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SUMMARY OF REGISTRATION IN FACULTY OF ARTS

1944-45

Year in Course	University College	Alma College	Assumption College	Huron College	Ursuline College	Waterloo College	St. Peter's College	Totals
Full Time:								
First	88	3	74	10	29	24	2	230
Second	299	2	89	3	26	16	18	453
Third	122	.....	36	4	8	18	21	209
Fourth	110	.....	30	4	14	9	18	185
Graduate	13	.....	.....	.....	1	.....	.....	14
								1,091
Part Time:								
Graduate	6	.....	3	.....	1	.....	.....	10
Undergraduate	30	2	74	2	15	4	.....	127
								1,228
Extramural	271	.....	.....	.....	.....	.....	.....	271
Summer School	345	.....	.....	.....	.....	.....	.....	345
Extension	415	.....	.....	.....	.....	.....	.....	415
TOTALS	1,031	668	7	306	23	94	71	59	2,259
Duplicates								296
Faculty of Arts								1,963
Faculty of Medicine								207
Faculty of Public Health								57
University Total								2,227

REGISTRATION IN FACULTY OF ARTS

1934-35—1944-45

Year	University College	Alma College	Assumption College	Huron College	Ursuline College	Waterloo College	St. Peter's College	Duplicates	Net Total
1934-35	1,340	15	324	25	115	76	.....	239	1,656
1935-36	2,067	6	345	20	112	105	.....	425	2,230
1936-37	2,400	6	345	21	111	68	.....	587	2,364
1937-38	2,037	10	304	15	121	68	.....	420	2,135
1938-39	1,929	6	318	9	97	72	.....	309	2,122
1939-40	2,043	3	290	11	42	64	43	377	2,119
1940-41	1,985	15	307	11	67	74	42	340	2,161
1941-42	1,772	5	313	13	76	46	47	281	1,991
1942-43	1,489	.....	324	14	54	54	57	249	1,743
1943 44	1,597	13	305	25	71	67	65	215	1,928
1944-45	1,699	7	306	23	94	71	59	296	1,963

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