

**General Calendar of
SAINT MARY'S UNIVERSITY
for the academic year 1962-63**

*Under the Direction of
the Jesuit Fathers*

May 1962

Halifax - Nova Scotia - Canada



**Air view of Saint Mary's University, Saint Mary's University
Campus, and Halifax Harbour.**

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ACADEMIC CALENDAR YEAR

1962-63

AUGUST

15 Wednesday.....Last day for receiving applications for entrance and supplemental examinations.

SEPTEMBER

- 4-11 Tues.-Tues. Pre-registration interviews by appointment.
9:00 a.m.—12:00 noon; 2:00 p.m.—5:00 p.m.
- 10 Monday.....Entrance and supplemental examinations begin at 9:00 a.m.
- 11 Tuesday.....Registration for all Freshmen, including returning students with Freshman standing.
9:00 a.m.—12:00 noon; 2:00 p.m.—5:00 p.m.
- 12 Wednesday.....Classes begin for Freshmen. Registration for all second year students.
9:00 a.m.—12:00 noon; 2:00 p.m.—5:00 p.m.
- 13 Thursday.....Registration for all third year students.
9:00 a.m.—12:00 noon.
Registration for all fourth year students.
2:00 p.m.—5:00 p.m.
- 14 Friday.....Registration for returning resident students.
9:00 a.m.—12:00 noon; 2:00 p.m.—5:00 p.m.
- 10-13 Mon.-Thurs.....Registration for Evening Division Students.
7:00 p.m.—8:30 p.m.
- 17 Monday.....Instruction begins for all classes.
Last date for late registration with \$5.00 fee.
- 19 Wednesday.....College Mission begins at 9:00 a.m. Mass of the Holy Spirit in the University Chapel at 4:15 p.m.
- 20 Thursday.....General meeting of the Faculty in the Senate room at 11:30 a.m.
- 24 Monday.....Final date for late registration with \$15.00 fee. Inauguration of extra-curricular activities.

OCTOBER

- 1 Monday.....Last date for change of registration. No first term tuition refund will be granted on individual courses dropped after this date.
- 8 Monday.....Thanksgiving Day. No classes.
- 15 Monday.....Fall Convocation.

NOVEMBER

- 11 Sunday.....Remembrance Day.
- 19 Monday.....Solemn Requiem Mass for Most Reverend John T. McNally and deceased professors and alumni in the University Chapel at 12:00 noon.

DECEMBER

- 8 Saturday.....Feast of the Immaculate Conception. Patronal
Feast of the University. Solemn High Mass
in the University Chapel at 11:30 a.m. No
classes.
- 10 Monday.....First Semester examinations begin.
- 15 Saturday.....Christmas recess begins after the last examination.

JANUARY

- 3 Thursday.....Classes resume at 8:30 a.m. Second term begins.
- 10 Thursday.....General meeting of the Faculty in the Senate room
at 11:30 a.m
- 17 Thursday.....Last date for change of registration for second
term. No second term tuition refund will be
granted on individual courses dropped after
this date.

FEBRUARY

- 13 Wednesday.....Public Speaking Contest in the Debating Theatre
at 8:15 p.m.

MARCH

- 1 Friday.....Student Council Elections.
- 7 Thursday.....Feast of St. Thomas Aquinas, Patron of Schools.
- 23 Saturday.....Extra-curricular activities cease.

APRIL

- 6 Saturday.....Easter recess begins after last class.
- 7 Sunday.....Annual Closed Retreat begins at 8:00 p.m.
- 16 Tuesday.....Classes resume at 8:30 a.m.
- 22 Monday.....Final examinations begin at 9:00 a.m.

MAY

- 1 Wednesday.....Survey Camp begins.
- 3 Friday.....General Faculty Meeting in the Senate room at
4:00 p.m. Graduation ceremonies begin.
- 5 Sunday.....Baccalaureate Ceremony in the University Chapel
at 3:30 p.m.
- 6 Monday.....Convocation Exercises in the University Audi-
torium at 8:30 p.m.
- 18 Saturday.....Survey Camp ends.

JUNE

- 24-27 Mon.-Thurs.....Registration for Summer Session.
10:00 a.m.—12:00 noon; 3:00 p.m.—5:00 p.m.

JULY

- 1 Monday.....Summer classes begin at 9:00 a.m.

AUGUST

- 15 Thursday.....Summer Session examinations begin at 9:00 a.m.

1962

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SAINT MARY'S UNIVERSITY

Incorporated by the Acts of 1841

BOARD OF GOVERNORS

As Constituted in Accordance with the Acts of 1962

CHANCELLOR

His Grace, Most Reverend J. Gerald Berry, D.D.

VICE-CHANCELLOR

Right Reverend William J. Burns, P.A., V.G.

FELLOWS

Most Reverend Alfred Leverman, D.D., Bishop of Saint John

Very Reverend C. J. Fischer, S. J., *President of the University*

Honourable W. F. Carroll, B.A., LL.B., LL.D.

Ernest I. Glenister, B.A., M.D., C.M.

Gerald P. Flavin, LL.B., Q.C.

John A. Walker, M.A., LL.B., Q.C., K.S.G.

Reverend J. L. Quinan, S.T.B., J.C.B.

Reverend E. M. Brown, S. J., *Secretary of the Senate*

Right Reverend Cyril J. Martin, D.P., P.P.

Wilfred J. Dyer, B.Sc., M.D.

Colonel Sidney C. Oland, V.D., LL.D.

Bernard A. O'Leary, B.Sc., C.E., M.E.I.C.

Norman Stanbury, K.S.G.

Senator Harold Connolly, LL.D.

Alban Murphy, Esq.

Christopher Grant, M.A.

R. W. McColough, B.Sc., D.Eng., M.E.I.C.

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John W. Merritt, M.D.C.M., F.R.C.S. (C), F.I.C.S., F.A.C.S.

Lorne MacDougall, LL.B., K.S.G., Q.C.

OFFICERS OF ADMINISTRATION

Very Reverend C. J. Fischer, S.J.....	<i>President</i>
Reverend C. S. Bathurst, S.J.....	<i>Treasurer</i>
Reverend E. M. Brown, S.J.....	<i>Vice-Rector</i>
Reverend W. A. Stewart, S.J.....	<i>Dean of Studies</i>
K. J. Cleary, B.A., B.Ed., M.A.....	<i>Assistant to the Dean</i>
Reverend D. Fogarty, S.J.....	<i>Dean, Education</i>
H. G. Beazley, B.Comm., R.I.A.....	<i>Dean, Commerce</i>
J. L. Ryan, B.Sc., B.E.....	<i>Dean, Engineering</i>
Reverend John J. Hennessey, S.J.....	<i>Dean of Men</i>
Sara Judd (Mrs. A.).....	<i>Registrar</i>
Reverend A. J. Cotter, S.J.....	<i>Librarian</i>
S. V. Rountree, B.A., M.A., B.L.S.....	<i>Assistant Librarian</i>
Reverend M. J. O'Donnell, S.J.....	<i>Student Counsellor</i>
Reverend J. Power, S.J.....	<i>Principal of the High School</i>
J. Stirling Dorrance, B.A., M.A.....	<i>Assistant to the President</i>
Reverend M. J. Belair, S.J.....	<i>Director of Adult Studies</i>

IGNATIUS COLLEGE

Very Reverend James J. Farrell, S.J.....	<i>Rector</i>
Reverend A. W. Pianfetti, S.J.....	<i>Vice-Rector</i>
Reverend Lawrence C. Braceland, S.J.....	<i>Dean of Studies, Registrar</i>
Reverend Leonard J. Fischer, S.J.....	<i>Student Counsellor</i>
Reverend Donald F. Beaudois, S.J.....	<i>Student Counsellor</i>
Reverend Patrick R. McHardy, S.J.....	<i>Bursar</i>

REGIS COLLEGE

Very Reverend E. F. Sheridan, S.J.....	<i>Rector</i>
Reverend K. J. Scott, S.J.....	<i>Vice-Rector</i>
Reverend J. Hochban, S.J.....	<i>Dean of Studies, Registrar</i>
Reverend D. T. Asselin, S.J.....	<i>Student Counsellor</i>
Reverend V. J. MacKenzie, S.J.....	<i>Librarian</i>
Reverend F. E. Brennan, S.J.....	<i>Bursar</i>

BOARD OF STUDIES

Reverend W. A. Stewart, S.J., <i>Chairman</i>	
H. G. Beazley, B.Comm., R.I.A.	J. L. Ryan, B.Sc., B.E.
Reverend D. Fogarty, S.J.	A. T. Sabeau, B.A., B.Sc., M.Sc.
Reverend C. B. O'Keefe, S.J.	
	K. J. Cleary, B.A., B.Ed., M.A., <i>Secretary</i>

COMMITTEE ON ADMISSIONS

The Registrar and the Deans of the various Faculties.

OFFICERS OF INSTRUCTION

1961-62

- H. G. Beazley**.....*Accounting*
 B. Comm., Saint Mary's University
 R.I.A. (Society of Industrial and Cost Accountants of Nova Scotia)
- ***Ray V. Beck**.....*Engineering*
 B.Sc., Saint Mary's University; B.E. (Civil), Nova Scotia Technical
 College
- Reverend M. J. Blair, S.J.**.....*Adult Studies*
 B.A., University of Montreal; M.A., University of Chicago
- ***Harold G. Bowes**.....*Drawing*
 B. E. (Mechanical), Nova Scotia Technical College
- ***William Bridgeo**.....*Chemistry*
 Ph.D., University of Ottawa
- Reverend M. W. Burke-Gaffney, S.J.**.....*Astronomy*
 B.A., University of Montreal; B.E., National University of Ireland;
 Ph.D., Georgetown University; D.Eng., Nova Scotia Technical College
- Edgar H. Buyco**.....*Mathematics*
 B.Sc., (Chemical), University of Santo Tomas; Ph.D., Purdue Univer-
 sity
- Reverend Alfred Colliard, S.J.**.....*Theology*
 B.A., University of Montreal; S.T.L., Immaculate Conception
- ***Arthur Conrad**.....*Education*
 B. A., B.Ed., M.A., Saint Mary's University
- Reverend Ambrosius Czako**.....*History of Art*
 Ph.D., University of Budapest
- William Dalton**.....*Political Science*
 B.A., Saint Mary's University; M.A., University of Toronto;
 Ph.D., University of Ottawa.
- Reverend F. J. Devine, S.J.**.....*French*
 B. A., B.Ph., University of Ottawa; S.T.L., Immaculate Conception;
 M.A., McGill University; Diplomé de l'Ecole Supérieure des
 Professeurs de Français à l'Étranger, Sorbonne
- ***John H. Dickey**.....*Political Science*
 B.A., Saint Mary's University; LL.B., Dalhousie University; Q.C.
- ***Charles Dixon**.....*Accounting*
 B. Comm., Saint Mary's University; C.A.
- ***John Earle**.....*Education*
 B.A., Saint Mary's University; B.Ed., Dalhousie University;
 M.A., Saint Mary's University
- Edward Flynn**.....*English*
 B.A., Memorial University; M.A., Dalhousie University
- Reverend Daniel Fogarty, S.J.**.....*Education*
 M.A., Ph.D., Columbia University

- Reverend G. Gallagher, S.J.**..... *Theology*
 B.A., University of Montreal; M. S., Fordham University;
 S.T.L., St. Louis University
- Roy E. George**..... *Economics*
 B.Sc., University of London; M.A., University of Bristol
- Joseph N. Giorgini**..... *Latin*
 D.Litt., University of Milan
- Henry P. Habib**..... *Political of Science*
 B.A., American University of Beirut; M.A., Fordham University
 (On leave of absence)
- George Hallett**..... *English*
 B.A., M.A., Dalhousie University
- Robert Hanrahan**..... *Business Administration*
 B. Comm., Saint Mary's University; M.B.A., Harvard University
- *Mildred B. Harrington**..... *Education*
 B.A., B.Ed., Saint Mary's University
- *P. J. Heckman**..... *Drawing*
 B.Sc., Dalhousie University; B.E. (Civil), Nova Scotia Technical College
- *F. Joseph Hill**..... *Accounting*
 B. Comm., Saint Mary's University; C.A.
- Reverend George R. Hoffmann, S.J.**..... *Philosophy*
 B.A., University of Montreal; M.A., University of Toronto;
 S.T.L., Ph.L., Immaculate Conception
- *Elizabeth A. Hutton**..... *History*
 B.A., M.A., Dalhousie University
- Reverend Charles H. Kanavy, S.J.**..... *Mathematics*
 B.A., University of Montreal; M.A., University of Toronto;
 S.T.L., St. Louis University
- *Maurice E. Keating**..... *Education*
 B.A., M.A., LL.B., Dalhousie University; LL.D., Saint Mary's
 University
- Reverend H. Labelle, S.J.**..... *Philosophy*
 B.A., University of Montreal; M.A., St. Louis University;
 S.T.L., Immaculate Conception; Ph.D., Gregorian University
- John Loewenstein**..... *Archaeology and Art*
 Ph. D., University of Vienna, F.R.A.I.
- J. R. MacCormack**..... *History*
 B.A., M.A., Dalhousie University; Ph.D., University of Toronto
- Reverend James McGarry, S.J.**..... *Philosophy*
 B.A., Laval University; Ph.D., Gregorian University
- Urban S. Merdsoy**..... *Physics*
 B.Sc., M.Sc., University of Rochester
- *Reverend J. E. Mills**..... *Gregorian Chant*
 B.A., Saint Mary's University; B.Mus., University of Montreal
- Arthur P. Monahan**..... *Education*
 M.A. (Tor.); L.M.S. (Pont. Inst. Med. Studies); Ph.D. (Tor.)
- Reverend James Murphy, S.J.**..... *Chemistry*
 B.A., Saint Joseph's University; M.A., Ph.D., University of Toronto

- *Reverend V. Murphy, S.J.**.....*Special Latin*
B.A., University of Montreal
- Reverend M. J. O'Donnell, S.J.**.....*Latin*
B.A., University of Montreal; S.T.L., Immaculate Conception
- Reverend C. B. O'Keefe, S.J.**.....*History*
B.A., University of Montreal; S.T.L., Immaculate Conception
M.A., Ph.D., University of Toronto
- *Johanna Richter**.....*German*
M.A., University of Toronto
- *Reverend Lloyd Robertson**.....*Education*
B.A., Saint Mary's University; M.A., Boston College
- Alfonso Rojo**.....*Biology*
Ph.D., University of Madrid
- *S. V. Rountree**.....*French*
B.A., M.A., Dalhousie University; B.L.S., McGill University
- Reverend Daniel Rourke, S.J.**.....*Sociology*
B.A., St. Francis Xavier University; M.A., Gonzaga University
- J. L. Ryan, E.D.**.....*Engineering*
B.Sc., Saint Mary's University; B.E. (Mechanical), Nova Scotia
Technical College
- Allan T. Sabean**.....*Chemistry*
B.A., B.Sc., Saint Mary's University; M.Sc., McGill University
- Charles W. Schandl**.....*Accounting*
Dr. Jur., University of Budapest; C.A.
- B. S. Sheehan**.....*Engineering*
B. E. (Electrical), Nova Scotia Technical College (On leave of absence)
- David Hope Simpson**.....*Geology*
B.Sc., M.Sc., Ph.D., McGill University
- *Sylvia Stapleton**.....*Anthropology*
B.A., M.A., University of Sydney
- Frank Tomscha**.....*Physics*
B.A., B.Sc., M.Sc., Diplom Physiker State University, Frankfort-on-
Main
- Joseph J. Vorstermans**.....*Economics*
Econ. Doctor, Catholic University of Tilburg
- Donald Warner**.....*Engineering*
B.E. (Mechanical), Nova Scotia Technical College
M.S.M.E., Purdue University
- A. R. Yeoman**.....*English*
B.A., Dalhousie University; M.A., B.D., University of King's College
- Julius Zarand**.....*Art*
Diploma, Academy of Fine Arts, Budapest

*Part-time faculty.

IGNATIUS COLLEGE

Rev. Henry B. Bedard, S.J.	Latin
Rev. Donald F. Beaudois, S.J.	Mathematics
Rev. Lawrence C. Braceland, S.J.	Greek, Latin
Rev. Desmond P. Burke-Gaffney, S.J.	English
Rev. Thomas F. Hoey, S.J.	Greek, Latin
Rev. Paul H. Hoppe, S.J.	English
Rev. Roderick A. F. MacKenzie, S.J.	Old Testament
Rev. David M. Stanley, S.J.	New Testament

REGIS COLLEGE

Rev. D. T. Asselin, S.J.	Sacred Eloquence, Ecclesiastical Rites
B. A., University of Montreal; S. T. L., Immaculate Conception	
Rev. S. Borbely, S.J.	Fundamental & Dogmatic Theology
S.T.D., University of Budapest	
Rev. W. J. Browne, S.J.	Liturgy, Fundamental Theology
B.A., University of Montreal; L.Ph., S.T.L., Immaculate Conception; S.T.D., Gregorian University	
Rev. F. E. Crowe, S.J.	Fundamental & Dogmatic Theology
B.A., University of Montreal; B.Sc., University of New Brunswick; S.T.D., Gregorian University	
Rev. J. I. Hochban, S.J.	Fundamental & Dogmatic Theology
B.A., University of Montreal; M.A., University of Toronto; S. T. L., Immaculate Conception; S.T.D., Woodstock College	
Rev. T. Horvath, S.J.	Fundamental & Dogmatic Theology
S.T.D., Gregorian University	
Rev. J. Krajcar, S.J.	Oriental Theology, Patrology, Church History, Christian Archaeology
Ph.D., S.T.L., Gregorian University	
Rev. M. J. Lapierre, S.J.	Fundamental & Dogmatic Theology
B.A., University of Montreal; S.T.L., St. Mary's College; Ph. D., University of Toronto	
Rev. E. J. MacGuigan, S.J.	Canon Law, Pastoral Theology
B.A., M.A., Boston College; S.T.L., Milltown Park; J.C.D., University of Ottawa	
Rev. R.A.F. MacKenzie, S.J.	Hebrew, Old Testament Exegesis
B.A., University of Montreal; S.T.L., Immaculate Conception; M.A., University of Toronto; SS.D., Pontifical Biblical Institute	
Rev. V. J. MacKenzie, S.J.	Librarian
B.A., University of Montreal; M.A., Catholic University of America	
Rev. J. M. Madigan, S.J.	Moral Theology
B.A., University of Montreal; S.T.L., S.T.D., J.C.D., Gregorian University	
Rev. P. A. Riffel, S.J.	Pastoral Psychology
B.A., University of Montreal; M.A., Fordham University	
Rev. E. F. Sheridan, S.J.	Moral Theology
B.A., University of Montreal; S.T.L., Immaculate Conception; S.T.D., Gregorian University	

Rev. D.M. Stanley, S.J. *Biblical Greek, New Testament Exegesis*
B.A., University of Montreal; S.T.L., St. Mary's College;
SS.D., Pontifical Biblical Institute

SCHOOL OF JOURNALISM (Joint Faculty)

R. J. McCleave, LL.B. *Director, Chairman of the Board*
Walter Browne, B.A.
Sister Alice Michael, M.A., Ph.D.
Stanley Fitzner, B.A., Dip. Journalism
Mary Casey, B.A.
William March

OTHER UNIVERSITY PERSONNEL

Miss Jeanne Arsenault.....*Library*
Mr. Frank Baldwin....*Manager of Bookstore, Coach of Basketball*
Miss Roberta Campbell.....*General Office*
Mrs. W. Bruce Elliott.....*General Office*
Miss Florence Foley.....*Assistant Librarian*
Miss Anne Gillis.....*General Office*
Mr. Robert Hayes.....*Director of Athletics,*
Coach of Football, Hockey
Miss Barbara Hubley.....*Student Inquiries Office*
Mrs. M. Lee.....*Library*
Mrs. Carol Markesino.....*Secretary to the President*
Mrs. Mary Nicol.....*General Office*
Mr. Donald Markley.....*Bursar*
Mr. John Merritt.....*Coach of Badminton*
Mr. Leigh Miller.....*Coach of Track*
Miss Donna O'Regan.....*General Office*
Mrs. O. Preston.....*Infirmary*

UNIVERSITY RESERVE TRAINING PROGRAMMES

Capt. G. E. M. Ruffee (Resident Staff Officer)

SURGEONS

A. L. Murphy, B.A., M.D., C.M., F.A.C.S.
John W. Merritt, M.D.C.M., F.R.C.S. (C) F.I.C.S., F.A.C.S.

PHYSICIANS

E. T. Granville, M.D., C. M. A. B. Crosby, M.D., C.M.
C. H. Reardon, M.D., C.M. Michael MacSween, M.D., C.M.

DENTISTS

F. C. Fennell, D.D.S. W. V. Hogan, D.D.S.
A. Borden Haverstock, D.D.S.

OCULIST

E. I. Glenister, B.A., M.D., C.M.

GENERAL INFORMATION

HISTORY

ASSOCIATIONS

STATEMENT OF OBJECTIVES

STUDENT ORGANIZATIONS

SERVICES TRAINING

HISTORY

Saint Mary's University had its beginnings as a small college founded in 1802 under the inspiration of Reverend Edmund Burke, later Bishop Burke, to provide a measure of higher education for the Catholic community of Halifax. The site of the first building was just west of Saint Mary's Basilica on Spring Garden Road, and the first principal was Reverend R. B. O'Brien, D.D.

Official recognition to the College came in 1841 when "An Act Incorporating the Trustees of Saint Mary's College at Halifax" was entered in the House of Assembly on March 17th and duly passed on March 29th. On April 8th, 1852, the privileges granted in the Act of 1841 were made permanent.

For some years after this, the President of the College was Reverend Michael Hannan. He was succeeded in 1861 by the Reverend Patrick Power. During this period the College faced many difficulties, and had, on occasion, temporarily to suspend activities. Times of trouble, however, did not prevent the young College from producing more than its share of eminent men among whom may be mentioned the future Archbishop McCarthy of Halifax; Sir Malachi Bowes Daly, Lieutenant-Governor of Nova Scotia; Mr. Peter O'Hearn, Principal for many years of Saint Patrick's High School; Mr. Martin Griffin, Parliamentary Librarian for Canada.

In February, 1881, the College received a handsome bequest from the will of Mr. Patrick Power, a prominent Halifax business man. This generosity came at a critical period in the history of Saint Mary's, and it has been said that without it the institution might not have survived. Santamarians remember the name of Mr. Power with gratitude.

In 1903, His Excellency, Archbishop O'Brien effected a reorganization of the College and established it on a fine new campus on the corner of Quinpool Road and Windsor Street.

In 1913, on the invitation of the Most Reverend E. J. McCarthy, the Christian Brothers of Ireland assumed direction of the College and a considerable addition was made to the building erected in 1903. Reverend Brother P. J. Culhane was the first President of the new administration and the College owes much to the wisdom and ability of Brother Culhane and his successors.

By the close of the First World War Saint Mary's had made significant advances in the Engineering field with the inauguration of a three year course in association with the Nova Scotia Technical College. In April, 1918, the Nova Scotia Legislature, in the preamble to an Act to amend the law respecting Saint Mary's, declared that Saint Mary's "originally incorporated by Chapter 39 of the Acts of 1841, shall continue to be deemed and taken to be a University, with all the necessary and usual powers . . . including the power of conferring Degrees in Arts and in all the other faculties."

On the gracious invitation of the Most Reverend John T. McNally, D.D., Archbishop of Halifax, and with the consent of the Very Reverend Father General of the Society of Jesus, the Jesuit Fathers of Upper Canada assumed the direction of the College in June, 1940.

In September, 1951, Saint Mary's moved to a new thirty acre campus on the historic Collins estate and former Gorsebrook Golf course in south Halifax. With its fine modern building and excellent playing fields Saint Mary's looks ahead with renewed dedication to the fulfilling of its role as a first class Catholic university in one of Canada's most rapidly growing cities.

IGNATIUS COLLEGE; REGIS COLLEGE

In the early seventeenth century Jesuits came to the New World as missionaries. From the beginning they considered the work of education and the establishment of schools in Canada of primary importance. The first Canadian houses for the training of Jesuit teachers were established in Montreal in 1848. In 1913, a further centre, St. Stanislaus Novitiate, was founded at Guelph, Ontario, for the training of members of the Order in English-speaking Canada; in 1930, the College of Christ the King was opened in Toronto for Philosophical and Theological studies.

By an agreement of January 2nd, 1957, both St. Stanislaus Novitiate and the College of Christ the King affiliated with Saint Mary's University, and were incorporated as 'Ignatius College' and 'Regis College' respectively. These Colleges, offering degree courses in the Humanities, Philosophy and Theology, provide young Jesuits with the basic preparation for their work in the educational institutions directed by the Order across Canada.

ASSOCIATIONS

Saint Mary's University is a member of the National Conference of Canadian Universities and Colleges, of the Association of Universities of the British Commonwealth, of the Canadian Association for Adult Education, and of the Jesuit Educational Association.

Saint Mary's has been associated with the Nova Scotia Technical College since 1916 providing the first three years of courses leading to the Degree of Bachelor of Engineering in Civil, Electrical, Mechanical, Mining and Metallurgical, or Chemical Engineering. In 1945, the School of Journalism was established by the University of King's College, Mount Saint Vincent College, and Saint Mary's University in co-operation with the Halifax daily newspapers. Since 1953, Saint Mary's has been one of the institutions sponsoring the Atlantic Summer School for Advanced Business Administration. In 1955, it entered upon an agreement of affiliation with the Maritime School of Social Work. And in 1957, it affiliated Ignatius College in Guelph, Ontario, and Regis College in Toronto, Ontario, for courses leading to degrees in Arts and Sacred Theology. Also in 1957, Saint Mary's became one of the six Maritime Universities co-operating with the Nova Scotia Department of Education in the professional training of teachers.

STATEMENT OF OBJECTIVES

Saint Mary's University shares in the renowned Jesuit tradition of Catholic education. While it strives to keep faith with modern advances in knowledge, it considers that the resources of the past, especially the intangible ones, are vitally important to the education of the citizens for tomorrow.

GENERAL AIMS

Saint Mary's firmly believes that education must entail the full balanced development of man's faculties. And this development centres chiefly on three ideals: KNOWLEDGE, CHARACTER, and LEADERSHIP.

By KNOWLEDGE, men are formed to whom the treasures of ancient and modern learning are unlocked; men are trained to think and assess values; to deal with fact and abstract thought; equipped to do the task of today; inspired with creative ideas for the task that will be theirs tomorrow.

By **CHARACTER**, men are formed with a capacity to act according to the values learned; who in their chosen careers act steadfastly in accordance with the highest standards of right living and gentlemanly conduct under the guidance of supernatural faith; men who so live the truth that they know that their conviction and courage will give hope and confidence to the world of tomorrow.

By **LEADERSHIP**, men are formed to take an enlightened place in society and meet the challenge of the times undaunted; professional men, men in the realm of communications, businessmen, scientists, engineers who in their profession will radiate principles of Faith and sound citizenship.

In the pursuit of these ideals, Saint Mary's requires of all students, whatever their vocational or professional interests, a large number of courses in the cultural areas of languages and history, philosophy and religion, mathematics and science. A broad education is considered as the one most worthy of the dignity of the human soul and the one best fitted to preserve a free society.

SPECIFIC AIMS

But the University is conscious of the dignity of the individual. And in recognition of divergent inclinations and aptitudes leading to differing vocational choices, it offers a reasonable variety of course programmes leading to: Master of Arts (in Education), Master of Science (in Social Work), Bachelor of Education, Bachelor of Arts, Bachelor of Science, Bachelor of Commerce, Diploma in Engineering, Diploma in Education, Diploma in Journalism. Special provisions are made for students who intend to enter professional studies in Theology, Dentistry, Law, Medicine, etc.

DISCIPLINE

It is assumed that students come to the University for a serious purpose, and that they will cheerfully conform to duly established customs, policies and rules. Regulations are intended to maintain favourable study conditions, to promote character development and to foster gentlemanly deportment. No young man of integrity and good breeding can misunderstand the purpose of each regulation—and no other kind of student is desired at the University. The faculty, therefore, reserves the right to censure or penalize students who are guilty of breaches of school discipline. It is the aim of the faculty to administer academic discipline so as to maintain the highest standards of integrity. The registration of the student is considered an acceptance of regulations.

A candidate for a degree must be of good moral character and must have given general satisfaction throughout his course.

STUDENT ORGANIZATIONS

The extra-curricular organizations listed below are officially recognized by the University. The activities of these societies, which aim at developing Christian Leadership, are directed by their respective officers with the co-operation and guidance of a member of the faculty.

Students who represent the University in any public activity, dramatics, debating, oratorical contests or athletic competition, or hold office in any student organization, must be in good standing at the time of their election or appointment.

RELIGIOUS ORGANIZATIONS

Sodality of the Blessed Virgin Mary. The purpose of the Sodality is to develop Catholic leadership and to form lay apostles under the protection of the Mother of God.

The Apostleship of Prayer and League of the Sacred Heart. The object of the Apostleship is two-fold: to instill into the students that apostolic spirit which, it is hoped, they will continue to exercise in the career of their choice, and secondly, to join in the great work of reparation for the outrages daily offered to Our Lord.

Saint John Berchman's Society. Its purpose is to train students for all ecclesiastical functions in the Sanctuary and to develop in them a greater appreciation of the liturgical life of the Church.

Canadian Student Mission Crusade aims at the creation of an active and effective interest in Catholic Foreign Missions, and gives assistance to many foreign mission centres.

GENERAL ORGANIZATIONS

Students' Council. It aims at promoting the best interests of the students by sharing with the Faculty the responsibilities of University government in all non-academic matters and in accordance with the powers conferred by the President.

The Canadian Federation of Catholic College Students unites the Catholic Colleges and Universities of Canada by the mutual sharing of information and activities and by promoting spiritual, intellectual, and cultural objectives.

World University Service of Canada. Through this national organization Saint Mary's participates in an international programme of material assistance, student exchange, and interchange of ideas throughout the world university community.

National Federation of Canadian University Students strives to encourage better understanding among students across Canada, and to promote effectively student needs and represent their interests here and abroad. Membership is open to all students.

Tau-Gamma-Sigma Society is restricted to students in the Faculty of Arts. Besides social and recreational activities the Society undertakes service projects for the welfare of the University and civic communities.

Sigma-Gamma-Phi Society is restricted to Science and Pre-medical students. Its functions are, in general, similar to those of the Tau-Gamma-Sigma Society.

Delta-Lambda-Kappa Society is open to students in the Faculty of Commerce. This society sponsors the Student Placement Programme, and organizes talks and interviews to open opportunities for summer work and permanent employment.

The Engineering Society is restricted to Engineering students. Its activities correspond, in general, to those of the above societies of Arts, Science, and Commerce.

The Debating Society is open to all students. Its activities complement the training of the Public Speaking courses, and include Intercollegiate and Interfaculty Debates, Radio Debates and Forums, etc.

The Choral Society meets regularly to put in practice the theory studied in the Gregorian Chant courses. This Society is responsible for the singing at all official ecclesiastical functions of the University.

The Glee Club meets once or twice a week to practise group harmony singing, and to promote individual voice culture. Membership is open to all who are interested in music and have the requisite singing ability.

The Philosophers' Academy has for its purpose the promotion of philosophical study and of the investigation of philosophical problems by the presentation and discussion of philosophic topics at its regular meetings.

Saint Mary's University History Society provides a forum for the discussion of significant themes and problems in History, with emphasis on Modern History. Members should have at least one University History course as background.

Saint Mary's University Dramatic Society presents each year a major dramatic production. It co-operates in the entertainment programmes offered by other student organizations.

The Journal is the newspaper "voice of the students" edited and issued twice a month.

Saint Mary's University Athletic Association regulates the athletic activities of the students. All external and intramural contests, the conferring of athletic prizes, Letters and other awards, are under the direction of the executive of the Association.

The Band provides students with an opportunity to develop instrumental talent. It is in attendance at student activities and contributes much to "school spirit".

The Young Liberals' Club and **The Young Progressive-Conservative Club** strive to arouse on the campus an informed interest in civic and government affairs through a programme of Model Parliaments, guests speakers, meetings, etc.

The Alumni Association. All former Saint Mary's students are eligible for membership. The Association, in addition to an annual social programme, has established an Annual Fund for university support which is currently being employed to establish a student assistance loan programme. Saint Mary's alumni are encouraged to avail themselves of many of the University's facilities for recreation and study.

SERVICES TRAINING

REGULAR OFFICER TRAINING PLAN (ROTP)

Under the Regular Officer Training Plan successful applicants who have completed Senior Matriculation are enrolled in the Armed Force of their choice and are provided with College or University training.

On successful completion of academic and military training, cadets will be promoted to Commissioned Officer rank in the Regular Force. The privilege of release, if desired, will be granted after three years' Commissioned Officer service. Further details may be obtained from the Resident Staff Officer or from any recruiting office.

UNIVERSITY NAVAL TRAINING DIVISION (UNTD)

The University Naval Training Divisions have been established to select and train suitable University Students for commissioned rank in all branches of the Royal Canadian Navy (Reserve).

For further details, contact: Staff Officer—UNTD, H.M.C.S. "Scotian", H. M. C. Dockyard, Halifax, N. S., Phone 423-1161, Local 406.

CANADIAN OFFICERS TRAINING CORPS (COTC)

Saint Mary's University participates in the programme of academic and practical Studies approved by the Department of National Defence for University undergraduates whereby students may qualify for a commission in the Canadian Army—Active Force, Reserve Force, or Supplementary Reserve.

For full information contact Major J. L. Ryan, E.D., Dean of Engineering.

ROYAL CANADIAN AIR FORCE UNIVERSITY RESERVE TRAINING PLAN (URTP)

The purpose of the URTP is to select students for training in Officers' branches or professions allied to their studies and aptitudes. Where specialist training is required, students spend up to two summers at RCAF schools acquiring theoretical and practical knowledge which both supplements and complements their university studies, while a further year of practical experience qualifies them as Junior Officers in their respective branches. The liaison officer at Saint Mary's University is Prof. A. T. Sabean, Chemistry Department.

FINANCIAL INFORMATION

FEEES

BURSAR'S REGULATIONS

WITHDRAWAL AND REFUNDS

SCHOLARSHIPS AND BURSARIES

FEES

As First Semester fees, students are required to make an initial payment of \$275.00 (resident students \$575.00) on or before the date of Fall registration.

Second Semester fees, payable on or before January 3rd, are the balance of the student's account.

GENERAL FEES

Tuition: Arts (5 or 6 courses).....	\$420.00
Science (5 or 6 courses).....	455.00
Commerce (5 or 6 courses).....	420.00
Engineering (6 or more courses).....	500.00
Journalism: full course.....	Approx. 60.00
Education: full course.....	90.00
half course.....	50.00
tutorial.....	100.00
practice teaching.....	30.00
Special course tuition: non-laboratory course.....	80.00
laboratory course.....	90.00
Evening Division: non-laboratory course.....	90.00
laboratory course.....	100.00
Residence: room and board (double room).....	590.00
(triple room).....	565.00

PARTICULAR FEES

Application (foreign students).....	\$ 3.00
Registration (payable for first registration only).....	5.00
Late registration (until Sept. 17th).....	5.00
(Sept. 17th-Sept. 24th).....	15.00
Change in registration (until Oct. 1st only).....	2.00
General Fee, payable by all Day Division students taking 4 or more courses. This fee includes Library, Athletics, Insurance, Students' Council, Journal, etc.....	45.00
Laboratory fee (Arts students taking laboratory course).....	15.00
Infirmary, per day.....	2.00
Vacation (Christmas, Easter) room and board, per day.....	4.00
Personal laundry, per semester.....	25.00
Graduation: with Degree.....	15.00
with Diploma.....	10.00
in absentia.....	15.00
Special examination (when permitted).....	10.00
Supplemental examination.....	5.00
Re-reading.....	2.00

BURSAR'S REGULATIONS

1. The registration fee is charged only when the student registers for the first time. However, there is a charge for any student who registers late, whether registering for the first time or not—\$5.00 until September 17th, \$15.00 after this date.

2. To confirm their acceptance resident students must forward a deposit of \$25.00 for room reservation. This is credited towards the student's account, but is not refundable if the student does not register at the University.

3. No reduction will be granted to a student who enters the University after the date of opening.

4. Students who arrive before the opening day or remain at the University during vacations will be charged at the rate of \$4.00 per day. No reduction of this rate is granted for meals not taken at the University.

5. Any damage done to University buildings, furniture or equipment will be charged to the offending students.

6. Outside accounts (music teacher, druggist, doctor, hospital, etc.) will not be handled by the Bursar unless a deposit has been made to cover them. Use of a piano for practice will be an extra charge.

7. Resident students' spending money and personal expense money must be arranged through deposits with the Bursar by parents or guardians.

8. The University will not advance money for the purchase of text books, stationery, travel or personal expenses.

9. The University accepts no responsibility for injuries or loss of time incurred by students while taking part in student activities.

10. Accident insurance is compulsory for all. As residents of Nova Scotia are covered by the Province's Hospitalization Plan, the University's insurance plan carries on from there to cover up to \$350.00 surgical, \$75.00 medical, etc. The premium is included in the General Fee.

Students from outside Nova Scotia, not covered by hospitalization, should provide for it either through their family or personally.

11. Students who wish to have a transcript of marks will be allowed two copies free. Additional copies will be supplied at the rate of \$2.00 each.

12. No student will be admitted to a semester examination or be promoted from one year to another or receive any report, degree, diploma, certificate, transcript, or testimonial whatsoever, until his financial accounts have been satisfactorily settled.

13. For any degree conferred in absentia at Convocation a fee of \$15.00 will be charged in addition to the regular degree fee.

14. Drafts, cheques, money orders, etc., should be made payable at par to SAINT MARY'S UNIVERSITY and addressed to the Bursar, Saint Mary's University, Robie Street, Halifax, N. S.

N.B.—Fees are subject to change with the varying cost of living.

WITHDRAWAL AND REFUNDS

No fee or any portion thereof is refundable as a matter of right upon the withdrawal of a student from the University.

Students who withdraw from the University within two weeks of the opening of classes may receive a refund of all fees, less \$25.00 (service charge) and \$4.00 per day residence Room and Board.

When a student withdraws from the University he will at once notify the Registrar. In all cases **this notification will be taken as the official date of withdrawal from the University.**

A proportionate refund of Board and Tuition fees may be granted to a student who withdraws from the University for a reason approved by the proper authorities if application is made **in writing** to the Bursar. Students withdrawing at the beginning of a month or at any time within the month are charged tuition for the whole month. Students withdrawing from Residence of their own accord are required to give three weeks notice; they will be charged Board for this period.

No refund of any fee will be granted to a student who withdraws from the University after December 1st for the first semester, or after March 31st for the second semester.

No refund of any fee will be granted to a student who is asked to withdraw from the University because of unsatisfactory conduct.

SCHOLARSHIPS AND BURSARIES

ENTRANCE SCHOLARSHIPS

University: valued at \$400. Awarded annually to a leading student of Saint Patrick's High School, Halifax, N. S.

University: valued at \$200.00. Awarded annually to a student from St. Malachy's High School, Saint John, N. B.

University: valued at \$200.00. Awarded annually to a Catholic student from Moncton, N. B.

Saint Mary's University Ladies' Auxiliary: valued at \$350.00. Open to a student of Saint Patrick's High School, Halifax, N. S.

The **Brother Stirling Scholarship** donated by Mr. John H. Dickey is valued at \$300.00. Open to students in the graduating class of Saint Mary's University High School.

OTHER SCHOLARSHIPS

Ashwood Scholarship: varying in number, valued at \$100.00 or more.

Flinn Scholarship: varying in number, valued at \$100.00 or more.

Mary C. Daley Scholarship: two or more, founded by the late Mary C. Daley.

Nova Scotia Light and Power Company: valued at \$300.00. Open to Science or Engineering students.

Monsignor James Granville scholarship.

K. of C. of Halifax (Council 1097): at least six open scholarships valued at \$125.00 each, tenable for four years.

K. of C. Dartmouth (Council 313): two scholarships, valued at \$200.00 each; open, tenable for four years.

Union Carbide Scholarships: two, tenable for four years; valued at \$700.00 each for the first year, \$600.00 in each subsequent year.

The **E. G. Byrne, Q.C., Scholarship**: a scholarship of \$100.00 annually.

The **Bernard O'Neil Scholarships** valued at \$150.00.

The **James E. Donohue** memorial scholarship, open to a student in Engineering.

The **Duncan W. Lynch** memorial scholarship, valued at \$300.00 open annually to a student from Dartmouth.

The **John Glenister** memorial scholarship, valued at \$100.00 open annually.

The **Halifax Rifles Centenary Scholarship**, valued at \$150.00 minimum a year.

SCHOLARSHIPS FROM PARISHES AND PARISH ORGANIZATIONS

The following scholarships range in value from \$100.00 to \$250.00 annually.

Saint Lawrence Parish Holy Name Society Scholarship.

Saint Theresa's Parish Holy Name Society Scholarships, two in number, valued at \$125.00 annually.

St. Theresa's Parish Scholarships, two or more in number, valued at \$150.00 annually.

Saint Mary's Basilica Scholarships, two or more in number, valued at \$125.00 annually.

Canadian Martyrs' Parish Holy Name Society Scholarship.

Saint Catherine's Parish Holy Name Society Scholarship.

Saint Patrick's High School Home and School Association, a number of scholarships, each valued at \$125.00 or more annually.

Saint Peter's Holy Name Scholarship, valued at \$100.00 annually.

Saint Rose of Lima Holy Name Scholarship, valued at \$100.00 annually.

Saint Stephen's Parish Scholarships, a number valued at \$100.00 annually.

Saint Thomas Aquinas Home and School Association Scholarship, valued at \$150.00 annually.

Canadian Martyrs' C. W. L. Subdivision, loan fund of \$200.00.

BURSARIES AND LOANS

Saint Mary's University Alumni Loan Fund: This fund makes available loans to deserving students who are in need of financial assistance. Loans are at a low rate of interest, and up to a maximum of \$300.00 a year. For further information, please consult the Registrar. Applications must be made in writing.

The university also makes available bursaries and loans to deserving students who are in need of financial assistance. For further information, please consult the Registrar.

ADMISSION INFORMATION

APPLICATION

ADMISSION REQUIREMENTS

ADMISSION TO ADVANCED STANDING

REGISTRATION

APPLICATION

All correspondence concerning admissions should be addressed to the Registrar.

The application form is intended for new students, i.e., those not in attendance at Saint Mary's last year, and should be forwarded to the Registrar not later than August 15th. This application form must be accompanied by the following:

1. a testimonial of good character.
2. the official certificates received from the Department of Education or other source, stating the courses taken and the marks obtained in Grade XI and/or Grade XII. (These should be forwarded as soon as they become available at the Department of Education.) Students who have attended another university should present a transcript of their marks and a testimonial of honourable dismissal. Failure to do this may result in expulsion.
3. a recent photograph. (Passport size).
4. a \$3.00 application fee if the applicant is not a resident of Canada.
5. where necessary, students should send a certificate stating that their mastery of English is such as to enable them to follow courses at university level.

All students must submit to the Registrar by September 1st the "Confirmation of Application" card. All students intending to reside at Saint Mary's are required to make a deposit of twenty-five dollars (\$25.00) for room reservation before August 15th. This amount is a deposit on first term fees. It will be returned if the University is unable to provide accommodation, otherwise it is not refundable.

ADMISSION REQUIREMENTS

JUNIOR MATRICULATION

To be admitted to university as an undergraduate a candidate must offer credit in seven matriculation subjects. The matriculation standing must be 50% in each subject with a general average of 60%.

Candidates for university should during their High School keep in mind the requirements for admission and plan their courses accordingly. When in doubt concerning entrance qualifications they should consult the University Registrar for evaluation of certificates and guidance.

The normal Junior matriculation requirements for the various faculties and diploma courses are as follows:

English
Foreign Language

Algebra
Geometry

Three of: Chemistry, Physics, Biology, History, Economics, Latin or another language.

Candidates for Science and Engineering should offer Chemistry, Physics and/or Trigonometry. The marks in Science and Mathematics should be above average.

ACCEPTABLE CERTIFICATES

Satisfactory marks in any of the subjects listed above will be accepted as credit toward the entrance requirements if such marks are granted by any of the following examining bodies.

- (a) Certificates of the Common Examining Board of the Atlantic Provinces.
The pass mark on Grade XI is 50%. Marks of 40% or over on Grade XII subjects may be counted as equivalent to passes in corresponding Grade XI subjects.
- (b) High School or Accredited High School certificates of the Province of New Brunswick.
- (c) Equivalent Certificates issued by Education Departments of other Provinces.
- (d) Second Year Certificates issued by Prince of Wales College, Charlottetown, Prince Edward Island.
- (e) Equivalent Certificates of Matriculation Examinations taken at Universities.
- (f) Certificates similar to the above issued by University or other official examining bodies, when found adequate.

ADMISSION TO ADVANCED STANDING

An applicant who presents a satisfactory Senior Matriculation Certificate (Nova Scotia Grade XII), or the equivalent, may receive credit in: English, Mathematics, History, Latin, French, Chemistry, Physics, Biology, Geology, under the following conditions:

- (1) A maximum of five credits is allowed for Senior Matriculation work.
- (2) These credits must be obtained before courses at the University are begun.
- (3) The student must have a mark of 60% in subjects other than the Sciences; a student must have a mark of 75% in Science subjects and give evidence of adequate Laboratory work.
- (4) Advanced standing is rarely granted to applicants for Engineering or Science for Senior Matriculation Mathematics, Physics, Chemistry.
- (5) Any courses taken at other institutions or by Senior Matriculation after first registration at Saint Mary's University will not be credited by the University unless the student has obtained prior, written approval of the Dean.

The certificates to which these provisions apply are the following.

- (a) Grade XII Certificate of the Atlantic Provinces Common Examining Board;
- (b) Third Year Certificate as issued by the Prince of Wales College, Prince Edward Island;
- (c) Certificate of the first year of Memorial University College, Newfoundland;
- (d) Equivalent Senior Matriculation Certificates issued by Departments of Education of other Provinces, or approved by the Committee on Admissions.

REGISTRATION

To facilitate Registration, students who foresee difficulties in arranging their studies' programme should make an appointment at the Registrar's Office for a pre-registration interview.

Registration will take place on the dates and times set forth in the Academic Calendar. Students should follow exactly the directions for Registration Procedure supplied by the Office of the Registrar. No credit will be allowed for a course for which the student is not regularly registered.

It is part of registration to meet initial obligations with the Office of the Bursar.

At the time of registration, all students not registered at Saint Mary's during the past academic year are required to present a certificate of medical fitness. Students participating in major sports may also be asked to produce a similar certificate.

PROVISIONAL AND LATE REGISTRATION

If official documents are not received by the Registrar and approved by the Committee on Admissions two weeks before registration dates, provisional registration may be permitted. In case of such provisional registration the student is responsible for having all official entrance documents filed with the Registrar not later than two weeks after the regular registration date. A student is not officially registered in the University until provisional registration has been confirmed.

Students registering on any other date than that designated in the Academic Calendar are required to pay a late registration fee (see 'Particular Fees').

CHANGE IN REGISTRATION, AND DROPPING COURSES

Any change after the initial registration is permitted only with the written consent of the Dean of the faculty concerned. For each course added, dropped, or changed, even with the consent of the Dean, a fee of \$2.00 is charged. In the case of a change initiated by the University authorities no fee is charged.

No change in registration is permitted after the second week of instruction in a semester. Students who drop a course without authorization between this time and the end of the semester will be given a grade of 'WF' (Withdrawal Failure) on the University records. A note of 'W' signifies authorized withdrawal. No term tuition refund will be granted on individual courses dropped after the second week in a semester. Should registration prove insufficient, the University reserves the right to cancel any listed course.

ACADEMIC INFORMATION

ATTENDANCE

EXAMINATIONS AND GRADES

EVENING DIVISION

ADULT STUDY SERIES

**THE ATLANTIC SUMMER SCHOOL FOR
ADVANCED BUSINESS ADMINISTRATION**

ATTENDANCE

Each student is required to attend all assigned class and laboratory periods, and all official assemblies. For Catholic students this requirement extends to religious functions.

The following regulations are considered sufficient to cover all absences for whatever cause; hence, no excused absences will be granted by the Office of the Dean (except no. 3 below), and telephone explanations for absences are not required.

1. Students who come late will be recorded as absent. When an instructor is unable to meet his class at the appointed time the class will disband after ten minutes.
2. No 'cuts' are allowed. In order to provide for reasonable, unavoidable sporadic absences, the University tolerates during the semester an absence from a course double the number of times the class meets per week. Thus, if the class meets: twice a week, four absences will be tolerated; if three times a week, six; etc.
3. Absences incurred while engaged in authorized student activities will be excused, provided faculty members directing such activities send notice of each student and specific classes concerned to the Dean's Office and secure approval **prior** to the absences.
4. Absence from class does not excuse the student from any course requirements and he must assume full responsibility for making up the work that he has missed unless explicitly excused by the instructor.
5. In order that the student may know when he is in danger of excessive absences he will keep his own account of absences. The responsibility for awareness of his attendance status is the student's.
6. When a student's absences have been excessive:
 - (a) he is ineligible to write the semester examination in the course, and a WF (Withdrawal Failure) will be entered on the University records.
 - (b) When a student has been unavoidably absent for a prolonged period because of serious illness or an equally compelling reason, the application of this regulation may be modified upon the recommendation of the instructor with the approval of the Dean. This will be considered only when the requisite conditions are verified.

EXAMINATIONS AND GRADES

The school year is divided into two semesters. At the end of each semester there are examinations in all courses being offered. In each full course, the results of the first semester count for 40%, and of the second semester for 60% of the year's total mark.

Other semester work and tests may be valued at a maximum of 20% of the semester total. This amount, however, may be increased, with the permission of the Dean. A student whose record of assignments in a subject is unsatisfactory may be debarred from examination in that subject.

The pass mark in each subject is 50%. A student who attains 50% in any subject receives a credit in that subject.

SUPPLEMENTAL AND SPECIAL EXAMINATIONS

A student who receives a mark between 40% and 50% is eligible to write a supplemental examination under the following conditions:

- (1) The supplemental is written at the prescribed time the following September.
- (2) No more than two subject marks are between 40% and 50%.
- (3) No subject mark is below 40%, or recorded as WF (Withdrawal Failure).

Supplemental examinations are not graded but recorded as pass (50%) or failure.

No more than three full courses passed by supplemental examinations will be credited towards any degree or diploma.

Only one supplemental examination is permitted in any course. No course may be taken more than twice, except with the permission of the Committee on Academic Standing.

A special examination is an examination written outside the times assigned for regular and supplemental examinations. Permission to write a special examination is granted rarely and only for extraordinary reasons.

Fees for supplemental and special examinations are listed under 'Particular Fees'.

Applications for the rereading of examination papers must be made within three weeks of the date on which reports are mailed.

Applications for supplemental, special, or entrance examinations must be made no later than August 15th.

ACADEMIC PROBATION

Any student whose academic record or progress is unsatisfactory may be placed on academic probation. If the record continues to be unsatisfactory, the student may be dismissed from the University.

SPECIAL PROGRAMMES

EVENING DIVISION

Courses leading to the degrees of Bachelor of Arts, Bachelor of Commerce, Bachelor of Science, Bachelor's and Master's degrees in Education are offered at the University in evening and summer sessions; they are open to men and women. Students entering these courses must have fulfilled the usual requirements for college entrance. They must maintain the same standards as students in the Day Division.

Evening Division courses begin in September and end with the May examinations. Summer sessions are held in the daytime for seven weeks during July and August. All inquiries for further information should be addressed to the Registrar or to the Dean, Evening Division.

ADULT STUDIES SERIES

In 1951, Saint Mary's University Adult Studies were instituted as a cultural service to the Halifax community. Lectures, academic in subject and treatment, are offered regularly to the general public on a variety of topics. Their purpose is to extend familiarity with humanistic learning, awaken critical attitudes, and stimulate a deeper sense of values consistent with our western heritage.

Usually lectures are given in series, ten lectures devoted in one semester to a particular topic.

Inquiries for information should be addressed to The Director, Adult Studies.

THE ATLANTIC SUMMER SCHOOL FOR ADVANCED BUSINESS ADMINISTRATION

This summer school offers a five weeks' course for executives. It is sponsored jointly by the following Universities: New Brunswick, Acadia, Mount Allison, King's College, Dalhousie, Saint Mary's, Nova Scotia Technical College, Saint Francis Xavier, Memorial, Saint Dunstan's and Prince of Wales College.

The course is designed to benefit both university and non-university men. It is desirable, however, that students have from five to ten years of experience in the management of men or in the conduct of technical or staff functions at a fairly responsible level.

The course is held at the University of King's College, Halifax, from mid-June to mid-July.

Full information and application blanks may be obtained from Dean H. E. Dysart, Director, Atlantic Summer School for Advanced Business Administration, P. O. Box 1321, Halifax, N. S.

FACULTIES AND COURSES

ARTS

SCIENCE

COMMERCE

ENGINEERING

JOURNALISM

PRE-PROFESSIONAL COURSES

HONOURS COURSES

ARTS

The curriculum in Arts is planned to lay the foundation of a broad and liberal education and to encourage at the same time some specialization in a specific branch of the Humanities or Social Sciences. It fosters an appreciation of what is sound in philosophy and beautiful in literature, and seeks to familiarize the student with the great facts and movements of history. In this, as in all courses, classes in religious and moral topics are essential requirements.

DEGREE OF BACHELOR OF ARTS

The requirements for the degree of Bachelor of Arts are as follows:

1. The completion of twenty-two courses subject to the regulations set forth in this Calendar.
2. The completion of the following prescribed courses:
 - (a) A minimum of two courses in Theology, or equivalent courses for non-Catholic students. Catholic students will take one course in Theology each year they attend Saint Mary's University.
 - (b) Three courses in Philosophy.
 - (c) Two courses in English.
 - (d) Two courses in Latin and one course in a second foreign language OR
 - (e) Three courses in one foreign language and a course in the Classics in translation.
 - (f) One course in History.
 - (g) One course in Mathematics.
 - (h) One Natural Science course (Chemistry, Physics, Biology, Geology, Astronomy).
3. Concentration of work to the amount of not fewer than four courses in one department with supporting courses chosen with the approval of the department concerned.

Note. Credit will be given for **MAJOR** work when a 60% is attained in each of not fewer than five courses as determined by each department, with supporting courses chosen with the approval of the department concerned. At the discretion of the department a formal essay may be required. A combined Major will be subject to the regulations of the departments concerned.

On Registration for Sophomore year students should decide the subject in which they intend to do their concentration or Major, as all preliminary courses in concentration or major fields should be completed before Junior year.

Six courses is the normal study load in Freshman year and in Sophomore year. No student may carry more than five courses in either Junior year or Senior year except for extraordinary reasons and with the approval of the Dean of Studies and the department of concentration or major work.

The following is an outline of the normal sequence of courses. Courses designated as "elective" are courses in the concentration or major field, and those approved as supporting courses.

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Theology 1	Theology 2	Theology 3	Theology 4
English 1	English 2	Philosophy 2	Philosophy 3
Mathematics 1A	Philosophy 1	Elective	Elective
Latin 1	Latin 2 and Lang. 1	(or Lang. 3)	Elective
(or Lang. 1)	(or Lang. 2 and	Elective	Elective
History 1	Classics in Trans.)	Elective	
Natural Science	Elective		

ARTS-JOURNALISM COURSE

Students who are interested in Journalism and who manifest ability and application are urged to follow the combined Arts-Journalism syllabus. For this combined syllabus the following subjects are added to the B.A. degree requirements: Journalism 1 (and Assignment Work), Journalism 2, Journalism 3.

ARTS AND COMMERCE COURSE

Provided courses in Accounting 1 and Economics 2 have been completed concurrently with the requirements for a Bachelor of Arts degree, the degree of Bachelor of Commerce may be obtained in one additional year. The additional year consists of five full courses which will normally be Accounting 2, Business Administration 2, Commercial Law, Economics 6, Economics 7. All programs are subject to the approval of the Dean of Commerce.

SCIENCE

The curriculum in Science is designed to give the student a solid grasp of basic technological, scientific knowledge and methods, without at the same time sacrificing his liberal and cultural education. Therefore, courses in philosophy, religious and moral topics, the languages, find their place in the Saint Mary's Science programme as a broadening complement to Mathematics and the Natural Sciences.

DEGREE OF BACHELOR OF SCIENCE

The requirements for the degree of Bachelor of Science are as follows:

1. The completion of twenty-two courses subject to the regulations set forth in this Calendar.
2. The completion of the following prescribed courses:
 - (a) A minimum of two courses in Theology, or equivalent courses for non-Catholic students. Catholic students will take one course in Theology each year they attend Saint Mary's University.
 - (b) Three courses in Philosophy.
 - (c) Two courses in English.
 - (d) Two courses in Mathematics.
 - (e) Two foreign language courses at the University level. French and/or German are recommended.
 - (f) A minimum of one course in Chemistry, one course in Physics, one course in Biology or Geology or Astronomy.
3. Concentration of work to the amount of not fewer than four courses in one Science department, with supporting courses chosen with the approval of the department concerned.

Note. Credit will be given for **MAJOR** work when a 60% is attained in each of not fewer than five courses as determined by each department, with supporting courses chosen with the approval of the department concerned. At the discretion of the department a formal essay, or report on a prescribed laboratory project, may be required.

Candidates for the degree of Bachelor of Science will take their concentration or Major in a Natural Science subject: Chemistry, Physics, Biology, Geology, Mathematics. A combined Major will be subject to the requirements of the departments concerned.

On registration for Sophomore year students should decide the subject in which they intend to do their concentration or Major, as all preliminary courses in concentration or major fields should be completed before Junior year.

Six courses is the normal study load in Freshman year and in Sophomore year. No student may carry more than five courses in either Junior year or Senior year except for extraordinary reasons and with the approval of the Dean of Studies and the department of concentration or major work.

The following is an outline of the normal sequence of courses. Courses designated as "elective" are courses in the concentration or major field, and those approved as supporting courses.

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Theology 1	Theology 2	Theology 3	Theology 4
English 1	English 2	Philosophy 2	Philosophy 3
Natural Science	Philosophy 1	elective	elective
Mathematics 1E	Mathematics 2	elective	elective
Language	Language	elective	elective
Natural Science	Natural Science		

ENGINEERING AND SCIENCE COURSE

Students who have obtained the Diploma in Engineering may proceed to the degree of Bachelor of Science on successful completion of a further year of study.

The programme of this additional (fourth) year will include: Theology 3 or 4, Philosophy 3, Mathematics 7, 8, or 10 and two electives from Chemistry 4, 6, 10, 11, Physics 4, 5, 7.

Students who plan to continue to the B.Sc., degree after the Diploma in Engineering should elect Philosophy 1 in second year, and may be permitted to substitute Philosophy 2 for Theology in the third year.

B.SC. COURSE FOR INDUSTRIAL ARTS TEACHERS

The Bachelor of Science degree can be obtained in three years by students who hold a Nova Scotia Mechanics Science Diploma. General University regulations for admission, advanced standing, attendance, residence, etc., obtain. The following is an outline of the required programme:

FIRST YEAR	SECOND YEAR	THIRD YEAR
English 1	English 2	Philosophy 2
History 1	Philosophy 1	(or elective)
French 1	French 2	Geology
Physics 1	Chemistry 1	Physics 3
Mathematics 1E	Mathematics 2	Mechanics 1 and 3
Descriptive Geometry	Survey 1	Mechanics 2
		Mechanics 5

COMMERCE

The course leading to a degree of Bachelor of Commerce is offered to students who desire the advantage of higher education and wish, at the same time, to prepare themselves for a place in the business community, the public service, and professional life. The aim of the faculty is to combine the cultural aspects of education with the general principles of business.

Exemption from three years of in-service training and the primary, economics, and intermediate examinations of the Institute of Chartered Accountants of Nova Scotia is available to Commerce graduates who intend to become Chartered Accountants.

To gain the exemptions a mark of at least 60% must be made in each of the courses, Accounting 3, 4, 5, and Commercial Law.

The Registered Public Accountants' Association of Nova Scotia grants the following: "Bachelor of Commerce graduates from Saint Mary's University attaining a standard which in the opinion of the University faculty would qualify them for Intermediate exemption in the Certified Public Accountant's course will be granted this exemption by the Association".

Exemptions are also granted by the Society of Industrial and Cost Accountants of Nova Scotia to Commerce graduates who register in the Industrial Accounting course sponsored by the Society.

DEGREE OF BACHELOR OF COMMERCE

The requirements for the degree of Bachelor of Commerce are as follows:

1. The completion of twenty-two courses subject to the regulations set forth in this Calendar.
2. The completion of the following prescribed courses:
 - (a) A minimum of two courses in Theology or equivalent course for non-Catholic students. Catholic students will take one course in Theology each year they attend Saint Mary's University.
 - (b) Three courses in Philosophy.
 - (c) Two courses in English.
 - (d) One foreign language course at the University level. French is recommended.
 - (e) Two courses in Accounting.
 - (f) Two courses in Economics.
 - (g) One course in Commercial Law.
 - (h) One course in Mathematics.
3. Concentration of work to the amount of not fewer than four courses in Accounting, Business Administration, or in Economics, with supporting courses chosen with the approval of the department concerned.

MAJORS are available in Accounting, Bussines Administration, and Economics. To obtain credit for major work a student must make 60% in each of not fewer than five courses included in the major of his choice. Supporting courses (Electives) are subject to the approval of the department concerned. At the discretion of the department, a formal essay, or a report on a prescribed case or project, may be required.

During the second semester of the Sophomore year, students, in consultation with the Dean of Commerce and the department concerned, are required to make known their area of concentration or major.

Six courses is the normal study load in both the Freshman and Sophomore years. No student may carry more than five courses in either Junior or Senior year except for extraordinary reasons and with the approval of the Dean of Commerce.

The following is an outline of the normal sequence of courses.

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Theology 1	Theology 2	Theology 3	Theology 4
English 1	English 2	Philosophy 2	Philosophy 3
Mathematics 1A	Philosophy 1	Accounting 2	elective
Language	Accounting 1	elective	elective
Economics 1	Economics 2	elective	elective
(or History 1)	Commercial Law		
elective			

Note:

1. Political Science 1 is recommended for first year elective.
2. The Junior and Senior year electives will depend upon the area of concentration or major work. All programs are subject to the approval of the Dean of Commerce.

ARTS AND COMMERCE COURSE

For details of this programme see under 'Arts'.

ENGINEERING

For the Diploma in Engineering, the syllabus of studies is that prescribed by Nova Scotia Technical College for the first three years of its five-year course. The first three years are given only at the associated Universities, of which Saint Mary's is one, together with Acadia University, Dalhousie University, University of King's College, Memorial University, Mount Allison University and Saint Francis Xavier University.

With a Diploma in Engineering a student may enter without examination any one of the departments of Engineering at the Nova Scotia Technical College, Laval University or McGill University, and obtain the Degree of Bachelor of Engineering (Civil, Electrical, Mechanical, Chemical, Metallurgical, or Mining) on the successful completion of the last two years of a five-year course.

DIPLOMA IN ENGINEERING

The requirements for the Diploma in Engineering are as follows:

FIRST YEAR	SECOND YEAR	THIRD YEAR
Theology 1	Theology 2	Theology 3
English 1	English 2	Mathematics 3
Mathematics 1E	Mathematics 2A*	Physics 3
Physics 1	Mathematics 2B	Engineering 301*
Chemistry 1	Chemistry 2	Engineering 302
Engineering 101	Engineering 201*	—Engineering 303*
Engineering 102	—Engineering 202*	Engineering 304
	—Engineering 203*	Engineering 305
	Elective	

Note.

1. *indicates one semester courses. For details see 'Courses of Instruction'.

2. Non-Catholic students may replace requirements in Theology by elective courses in the Humanities or Social Sciences; at least two of these elected courses must be in the same subject.

3. Students who plan to enter Chemical Engineering at the Nova Scotia Technical College must substitute a course in organic chemistry (Chem. 4) for the second year elective.

4. Students who plan to enter Civil, Mining or Metallurgical Engineering at the Nova Scotia Technical College must substitute Geology 1 for the second year elective.

ARCHITECTURE

The Nova Scotia Technical College offers the final four years of a six year course leading to the Degree of Bachelor of Architecture. The requirements for admission to the Nova Scotia Technical College in this course will be the completion of the first two years of the Diploma Course in Engineering at Saint Mary's University and the recommendation of the Dean of Engineering of Saint Mary's University.

ENGINEERING AND SCIENCE COURSE

For details of this programme see under 'Science'.

JOURNALISM

The curriculum of the School extends over three years and leads to the Diploma in Journalism. It includes specialized courses designed to teach the fundamentals of work on the reportorial staff of a daily newspaper, and in the advertising department. Other courses introduce the student to editorial and feature writing, to work for radio and news agencies, to magazine, free lance and television news writing, and to public relations. All the specialized courses are taught by professional journalists. Practical assignments are stressed in this part of the curriculum.

DIPLOMA IN JOURNALISM

The requirements for the Diploma in Journalism are outlined as follows:

FIRST YEAR	SECOND YEAR	THIRD YEAR
Theology 1	Theology 2	Theology 3
English 1	English 2	English
Philosophy 1 (or elective)	Philosophy 2 (or elective)	Philosophy 3 (or elective)
French 1	French 2	Political Science
History 1	History	Sociology
Journalism 1	Journalism 2	Journalism 3

ARTS-JOURNALISM COURSE

Journalism students at Saint Mary's are usually advised to combine the course in Journalism with that of Arts, completing requirements for the Diploma in Journalism in three years and for the Degree of Bachelor of Arts in a fourth year, or following the Arts-Journalism programme as announced under 'Arts'.

PRE-PROFESSIONAL COURSES

Students who plan to enter the professions of theology, law, medicine, dentistry, etc., should see that their plan of studies includes courses pre-requisite to entrance into the professional school of their choice. Calendars of professional schools may be consulted in the Office of the Registrar.

The sequence of pre-professional courses may, if necessary, replace the concentration or major requirements for the Bachelor's degree. Though not strictly required by some professional schools, Saint Mary's recommends complete matriculation in Arts, Science, or Commerce, and does not guarantee that timetable will allow the completion of minimum pre-professional requirements in less than the full time required for the Bachelor's degree.

Pre-Theology. Students who may wish to enter a theological seminary are advised to do concentration or major work in Philosophy and/or Latin, supported by additional courses in languages and Social Sciences.

Pre-Law. Students planning to enter Law should do concentration or major work in Philosophy or Social Science. Their programme should include at least two courses in History, Economics, or Political Science.

Pre-Medicine. Students who wish to apply for admission to medical schools in Canada or the United States are generally required to have complete matriculation in Arts or Science.

"College training in preparation for the study of medicine should provide the opportunity for a **good general education** including the attainment of competence in English. It should include theoretical and laboratory courses in Physics, Biology, and Inorganic and Organic Chemistry. At the present time the minimum requirement for admission to approved medical schools is three years of college training for the average student. For most students, four years is recommended in order to provide an opportunity to gain a broad educational experience." (Statement of the American Medical Association, December, 1951.)

Credits in the sciences must include Biology 1, 2; Chemistry 1, 2, 4; Mathematics 1; Physics 1. Of the remaining eight courses (of a required minimum of fifteen courses), at least **seven** must be taken in the Humanities; English 1, 2, Philosophy 1, History, are required courses. At least two advanced courses must be included in the minimum programme.

Pre-Dentistry. Pre-dental students must complete a minimum of ten required courses which include the seven science courses listed above, along with English 1 and two electives from English 2, French 1, German 1, History 1, Philosophy 1.

HONOURS COURSES

Students of above-average ability are urged to make application at the time of registration for Sophomore year to follow an honours programme,

and thus have their plan of studies controlled by the department concerned. At the invitation of the department of proposed honours work, the student may then register for honours at the beginning of Junior year. In order to begin an honours programme the student must have a 65% average in his previous work. The Junior-Senior programme will be under the supervision of the department concerned. Prescribed summer readings are required of honours students.

In general, the requirements for an Honours Degree are as follows:

1. The fulfilment of all regulations for the Bachelor's Degree.
2. The completion of not less than five courses prescribed by the department concerned.
3. The completion of an additional prescribed course in both Junior year and Senior year, thus making the total of twenty-four courses required for the honours degree. These special additional courses may be given in any way the department decides.
4. The passing of a comprehensive examination (written and/or oral) in all work of the honours field.
5. The attainment of not less than 70% in all courses in the honours field and in the comprehensive examination.

Candidates for an honours degree will normally be required to have spent four full-time academic years at Saint Mary's University.

GRADUATE COURSES

MASTER OF SOCIAL WORK

BACHELOR OF EDUCATION

MASTER OF ARTS
IN EDUCATION

SOCIAL WORK

The Maritime School of Social Work was incorporated in 1941 to meet an urgent need for trained social workers in the Maritime Provinces. The school is recognized by the Canadian Association of Social Workers and its graduates are accepted for membership.

Saint Mary's University, along with the Universities of Acadia, Mount Allison, Saint Francis Xavier, and University of King's College, grants the Master of Social Work degree to students who meet the requirements of the University and who are recommended for the degree by the Maritime School of Social Work.

DEGREE OF MASTER OF SOCIAL WORK

The academic requirement for admission to candidacy for the degree of Master of Social Work is a Bachelor of Arts degree with high standing, or equivalent university training.

Students planning graduate work in Social Work should, where possible, emphasize psychology or sociology in their undergraduate courses. It would be desirable to complete a major and minor in these disciplines. Courses should also be taken in Political Science (Government of Canada), Economics, Philosophy and Biology.

In the discretion of the Admissions Committee of the Maritime School of Social Work, applicants may be required to undertake work in these fields as a prerequisite to admission.

Further information regarding courses, requirements for admission, living costs and other matters, may be obtained by addressing: The Maritime School of Social Work, 6414 Coburg Road, Halifax, N. S.

EDUCATION

ADMISSION

For the degree of **Bachelor of Education:** Candidates must hold the degree of Bachelor of Arts, Science, or Commerce with second class honours or the equivalent. They must further satisfy the professional aptitude requirements of the Committee on Admissions.

The courses leading to the degree of **Master of Arts** is sponsored by the School of Education to provide teachers with graduate study in the philosophical and psychological foundations of the art of teaching and in the particular fields of their own secondary teaching. Candidates therefore should hold the degree of Bachelor of Arts or Science with second class honours or the equivalent. They must further satisfy the graduate requirements of the Committee on Admissions.

COURSES OF INSTRUCTION

ACCOUNTING	GEOLOGY
ARCHAEOLOGY AND ART	GERMAN
ASTRONOMY	GREGORIAN CHANT
BIOLOGY	HISTORY
BUSINESS ADMINISTRATION	HISTORY OF ART
CHEMISTRY	HISTORY OF SCIENCE
CLASSICS IN TRANSLATION	JOURNALISM
COMMERCIAL LAW	LATIN
ECONOMICS	MATHEMATICS
EDUCATION	PHILOSOPHY
ENGINEERING	PHYSICS
ENGLISH	POLITICAL SCIENCE
FRENCH	PSYCHOLOGY
	SOCIOLOGY
	THEOLOGY

ACCOUNTING

Accounting 1:

A study of the accounting cycle. The application of accounting theory to business transactions. Journals, ledgers, working papers, and statements as applied to individual proprietorships, partnerships, and corporations.

TEXTS: *Principles of Accounting, Introductory* (Canadian Edition)—Finney and Miller (and Mitchell) (Prentice-Hall) Fifth Edition.

Principles of Accounting, Intermediate (Canadian Edition)—Finney and Miller (and Byrd) (Prentice-Hall) Fifth Edition.

Lectures: Three hours a week, two semesters.

Full course.

Laboratory: Two hours a week, two semesters.

Accounting 2:

Prerequisite: Accounting 1.

An intensive study of asset, liability, and equity accounts. Year-end procedures, and the application of funds statement.

TEXT: *Principles of Accounting, Intermediate* (Canadian Edition)—Finney and Miller (and Byrd) (Prentice-Hall) Fifth Edition.

Lectures: Three hours a week, two semesters.

Full course.

Laboratory: Two hours a week, two semesters.

Accounting 3:

Prerequisite: Accounting 1 and 2.

Advanced financial accounting,—Partnerships; consolidations; mergers and reorganizations; branches, insurance; analysis of financial statements.

TEXT: *Principles of Accounting, Advanced*—Finney and Miller (Prentice-Hall).

Workbook—*Principles of Accounting, Advanced*,—Finney and Miller (Prentice-Hall)

REFERENCE: *Accounting Systems*—Gillespie (Prentice-Hall)

Lectures: Three hours a week, two semesters.

Full course.

Accounting 4:

Cost Accounting and Taxation.

Prerequisite: Accounting 1 and 2.

The principles, procedures, and managerial uses of cost accounting will be studied in the first term. The second term will be devoted to an intensive study of the Income Tax Act and its application to corporate and individual taxpayers.

TEXT: *Basic Cost Accounting*—Speckthrie (Prentice-Hall)

Canadian Income Tax for Accountants—Leonard (C.C.H. Canadian Limited)

Lectures: Three hours a week, two semesters.

Full course.

COURSES OF INSTRUCTION

ACCOUNTING	GEOLOGY
ARCHAEOLOGY AND ART	GERMAN
ASTRONOMY	GREGORIAN CHANT
BIOLOGY	HISTORY
BUSINESS ADMINISTRATION	HISTORY OF ART
CHEMISTRY	HISTORY OF SCIENCE
CLASSICS IN TRANSLATION	JOURNALISM
COMMERCIAL LAW	LATIN
ECONOMICS	MATHEMATICS
EDUCATION	PHILOSOPHY
ENGINEERING	PHYSICS
ENGLISH	POLITICAL SCIENCE
FRENCH	PSYCHOLOGY
	SOCIOLOGY
	THEOLOGY

Accounting 5:

Auditing.

Prerequisite: Accounting 1, 2.

Auditing principles and procedures. Verification and statement presentation of assets, liabilities, equity, and profit and loss accounts.

TEXTS: *Auditing Procedures*—Dell and Wilson (C.I.C.A.); *Auditing Principles*—H. Stettler (Prentice-Hall); *Bulletins of the Canadian Institute of Chartered Accountants; Audit reports, their nature and significance*—(C.I.C.A.); *Practice Case for Auditing—Machine Products Co.*—Newton and Stettler (Prentice-Hall)

Lectures: *Three hours a week, two semesters.*

Full course.

ARCHAEOLOGY AND ART

Prerequisite: One University history course.

An outline of the prehistory and early history of the world and of the spread of civilization. Illustrated by slides and filmstrips.

TEXTS: *What Happened in History*—Childe (Penguin); *World Prehistory*—Clarke (Cambridge)

Lectures: *Two hours a week, two semesters.*

Full course.

ASTRONOMY

Astronomy 1:

Descriptive Astronomy

Prerequisite: Mathematics 1.

Mechanical aspects: the earth in motion, time, light, the telescope. The solar system. Stellar astronomy. The systems; interstellar matter. Radio astronomy.

Note: Students who register for this course may not register for any other evening lectures as the laboratory periods may be on any evening of the week depending on the weather.

TEXTS: *Astronomy*—R. H. Baker (Van Nostrand) Seventh Edition; *The Observer's Handbook, 1960* (R.A.S.C.)

Lectures: *Two hours a week, two semesters.*

Full course.

Laboratory: *Two hours a week, two semesters.*

Astronomy 2:

Celestial Mechanics

Prerequisite: Astronomy 1, Mathematics 3.

This course may be counted as an advanced mathematics credit.

Fundamental principles: questions of central forces, potential and attraction. Problems of two bodies; determination of orbits, consideration of perturbations. The general integrals of the problem of n bodies.

TEXT: *An Introduction to Astrodynamics*—R. M. L. Baker and M. W. Makemson (Academic Press)

REFERENCE: *An Introduction to Celestial Mechanics*—F. R. Moulton (Macmillan)

Lectures: *Three hours a week, two semesters.*

Full course.

Astronomy 3:

History of Astronomy

Astronomy in Iraq, Egypt, China, Asia Minor, Greece, Alexandria, Rhodes, Rome. The Muslims, Saracens and Moors. The Translators. The Thirteenth Century. The Renaissance in Astronomy; Copernicus to the present day.

TEXT: *The History of Astronomy*—G. Abetti (Schurman)

Lectures: *Three hours a week, two semesters.*

Full course.

BIOLOGY

Biology 1:

General Biology

An introductory study of the structure and function of living organisms, leading to an understanding of the principles of anatomy, physiology, histology, ecology, genetics, and evolution.

TEXTS: *Biology*—Villem (Saunders); *General Zoology*—Woodsdalek (Brown)

Lectures: *Three hours a week, two semesters.*

Full course.

Laboratory: *Three hours a week, two semesters.*

Biology 2:

Comparative Vertebrate Anatomy

Prerequisite: **Biology 1.**

A comparative study of the anatomy, embryology, and evolution of the different classes of vertebrates, covering the integumentary, skeletal, muscular, nervous, digestive, respiratory, circulatory, urinogenital, and endocrine systems.

TEXTS: *Evolution of Chordate Structure*—H. M. Smith (Holt); *A Laboratory Outline for the Dissection of the Lamprey, Dogfish and Skate*—Craigie (Univ. of Toronto Press); *A Laboratory Guide to the Anatomy of the Rabbit*—Craigie (Univ. of Toronto Press)

Lectures: *Two hours a week, two semesters.*

Full course.

Laboratory: *Six hours a week, two semesters.*

Biology 3:

Ichthyology

Prerequisite: Biology 1.

A study of the embryology, anatomy, physiology and classification of the class Fishes, covering the integumentary (scales, color, luminescence), skeletal, muscular, nervous, digestive, respiratory, circulatory, endocrine, excretory and reproductive systems.

In classification and geographical distribution, emphasis will be given to the marine fauna of the North Atlantic area and freshwater species of Nova Scotia.

TEXT: *Lecture notes.*

REFERENCES: *A History of Fishes*—Norman (A. A. Wynn); *Field Book of Marine Fishes of the Atlantic Coast*—Breder (G. P. Putman); *Fresh Water Fishes of Eastern Canada*—Scott (Univ. of Toronto Press)

Lectures: *Two hours a week, two semesters.*

Full course.

Laboratory: *Four hours a week.*

BUSINESS ADMINISTRATION

Business Administration 1:

An Introduction to Business

A case method study of three general areas of administration. Marketing, human relations, and labor relations will be discussed with reference to specific business situations. The emphasis will be on the qualitative aspects of executive decision.

TEXT: To be announced.

Lectures: *Three hours a week, two semesters.*

Full course.

Business Administration 2:

Finance

Prerequisite: Accounting 1.

The financial policies of large and small businesses are studied with heavy reliance on the case method of instruction.

Special attention is given to the timing, cost, marketing, and valuation problems of both major and day to day financial decisions.

TEXT: *Basic Business Finance—Text and Cases*—Hunt, Williams, Donaldson (Richard D. Irwin, Inc.)

Lectures: *Two hours a week, two semesters.*

Full course.

Business Administration 3:

Principles of Control and Production

Prerequisite: Accounting 1.

Important procedures and techniques of the manufacturing process, and the quantitative data needed to formulate pricing, inventory, and investment decisions are examined, using descriptive notes and selected cases.

TEXT: To be announced.

Lectures: *Two hours a week, two semesters.*

Full course.

Business Administration 5:

Written Analysis of Business Problems

Prerequisite: Two Business Administration courses.

The written presentation of solutions to advanced problems in all the important fields of business administration.

Equal attention will be given to English usage, clarity of expression and depth of analysis.

TEXT: To be announced.

Lectures: *On seminar basis by arrangement.*

Full course.

CHEMISTRY

Chemistry 1:

General Chemistry

An introduction to fundamental principles; valence, molecular, ionic theories, reaction rates, equilibrium, the periodic table, radio activity and other basic phenomena.

TEXT: *Textbook of Chemistry*—J. V. Quagliano (Prentice-Hall) 5th Printing 1960

Lectures: *Three hours a week, two semesters.*

Full course.

Laboratory: *Three hours a week, two semesters.*

Chemistry 2:

Elementary Physical and Analytical Chemistry

Prerequisite: Chemistry 1.

Theory and techniques of qualitative and quantitative analysis. Ionic equilibria, pH, phase equilibria.

TEXT: *Principles of Phase Equilibria*—Wetmore and LeRoy (McGraw-Hill)

Lectures: *Two hours a week, two semesters.*

Full course.

Laboratory: *Three hours a week, two semesters.*

Chemistry 4:

Organic Chemistry

Prerequisite: Chemistry 1.

A comprehensive course of organic chemistry with accent on the accepted modern theories related to aliphatic and aromatic compounds.

TEXT: *Organic Chemistry*—Brewster & McEwan (Prentice-Hall) Senior Edition 1961

Lectures: *Two hours a week, two semesters.*

Full course.

Laboratory: *Three hours a week, two semesters.*

Chemistry 6:

Physical Chemistry

Prerequisite: Mathematics 2, Chemistry 2.

States of matter, properties of solutions, heat of reaction, entropy and free energy, kinetics.

TEXT: *Physical Chemistry*—Daniels and Alberty (Wiley)
Lectures: Three hours a week, two semesters. *Full course.*
Laboratory: Three hours a week, two semesters.

Chemistry 7:

Advanced Quantitative Analysis

Prerequisite: Chemistry 2.

A comprehensive extension of Chemistry 2 with particular emphasis on advanced laboratory procedures used in inorganic analysis.

TEXT: *Textbook of Quantitative Analysis*—Kolthoff and Sandell (Macmillan).

Laboratory and Conferences:

Six hours a week, two semesters.

Full course.

Chemistry 8:

Advanced Inorganic Chemistry

Periodic classification of the elements, and valence theory.

Lectures: Two hours a week, two semesters.

Full course.

Chemistry 10:

Organic Qualitative Analysis

A course covering the methods of detection and identification of fundamental organic chemical groups and compounds.

TEXT: *The Characterization of Organic Compounds*—McElvain (Macmillan) Revised Edition

Laboratory and Conferences:

Six hours a week, two semesters.

Full course.

Chemistry 11:

Chemical Thermodynamics

Prerequisite: Chemistry 6.

Energy, heat, entropy, free energy changes. Electro-chemistry.

TEXT: *Chemical Thermodynamics*—Steiner

Lectures: Three hours a week, two semesters.

Full course.

Laboratory: Six hours a week, two semesters.

Chemistry 15:

Theory of Physical Chemistry Measurements

Prerequisite: Chemistry 2.

A course intended primarily for pre-medical students.

Lectures: Three hours a week, two semesters.

Full course.

Laboratory: Three hours a week, two semesters.

Chemistry 16:

Advanced Organic Chemistry

Advanced concepts of organic chemistry, mechanisms, resonance theory, modern day theories and research study.

TEXTS: Reference Library

Lectures: Two hours a week, two semesters.

Full course.

Chemistry 19:

Kinetic Theory

Prerequisite: Chemistry 6.

Lectures: *Two hours a week, two semesters.*

Full course.

CLASSICS IN TRANSLATION

The classical literature of Greece and Rome in translation. This course is required of all Arts students who are not taking Latin in their programme.

TEXT: To be announced.

Lectures: *Three hours a week, two semesters.*

Full course.

COMMERCIAL LAW

Law and courts; contracts; negotiable instruments; real property; sale of goods; chattel mortgages; company structure; bankruptcy; Mechanics' Lien Act; partnership law; etc.

TEXTS: *Summary of Canadian Commercial Law*—Anger (Pitman and Sons) *Dominion Companies Act, Bills of Exchange Act*

Lectures: *Three hours a week, two semesters.*

Full course.

ECONOMICS

Economics 1:

Economic History of Europe

The economic history of Europe from the Roman Empire to the present day. Manor system of the middle ages, guilds and mercantilism; laissez-faire, capitalism and industrial revolution; background of the 20th century.

TEXT: *Economic History of Modern Europe*—Friedlander and Oser (Prentice-Hall); *Rerum Novarum*—Leo XIII; *Quadragesimo Anno*—Pius XI; *Mater et Magistra*—John XIII.

Lectures: *Three hours a week, two semesters.*

Full course.

Economics 2:

General Principles of Economics

This course is a prerequisite for Economics 6, 7, 8, 9.

Difference between free enterprise and socialist economics; national income, its determinants and fluctuations; the role of Government in Economics; fluctuations of the business cycle; the function of money and banking systems; pricing of the production factors; current events.

TEXTS: *Principles of Economics*—Samuelson (McGraw-Hill); *Rerum Novarum*—Leo XIII; *Quadragesimo Anno*—Pius XI; *Mater et Magistra*—John XIII

Lectures: *Three hours a week, two semesters.*

Full course.

Economics 3:

Business and Economic Statistics

Functions of statistics; statistical enquiries; analysis and tabulation; error in derived statistics; presentation techniques; measures of average and dispersion; time series; index numbers; correlation; sampling; probability; sources of statistics.

TEXTS: *Economics for Economists*—R. G. D. Allen (Hillary); *Canada Yearbook, 1962* (Queens Printer)

Lectures: *Three hours a week, two semesters.*

Full course.

Economics 4:

Economic History of Canada and the United States

Economic aspects of American history from the Revolution to the New Deal.

Canadian economic history: fisheries, fur trade, timber trade; railways and confederation; the St. Lawrence canals. The strategy of development; wheat economy; new industrialism; St. Lawrence Seaway.

TEXTS. *American Economic History*—Faulkner (Harper); *Canadian Economic History*—W. T. Easterbrook and Hugh G. J. Aitken (Macmillan)

Lectures: *Three hours a week, two semesters.*

Full course.

Regular compulsory assignments.

Economics 6:

Advanced Economic Analysis

Prerequisite: Economics 2.

Scope and method of economic science; national income; consumption theory; production theory; price determination; factor combination, wages, interest, rent and profits; interdependence of the elements of the system.

TEXT: To be announced

Lectures: *Three hours a week, two semesters.*

Full course.

Economics 7:

Money, Banking, International Payment.

Prerequisite: Economics 2.

Money, its standards, supply and value; inflation and foreign exchange; Canadian Banking System and other banking systems; public finance; international monetary problems and their solutions; developments in international trade.

TEXT: *Bank of Canada Operation and Policy*—E. P. Neufeld (Univ. of Toronto Press)

Lectures: *Three hours a week, two semesters.*

Full course.

Economics 8:

Business Cycle Theory

Prerequisite: Economics 2, 7.

Description, history and measurement of the business cycle; theories of the business cycle; control, domestic and international, of excessive business fluctuations.

TEXT: *Business Cycles*—D. Hamberg (Macmillan)

Lectures: Three hours a week, two semesters.

Full course.

Economics 9:

Applied Economics.

Prerequisite: Economics 2, 3, 6, 7.

A survey and analysis of current Canadian and world problems.

TEXTS: To be announced.

Lectures: Two hours a week, two semesters.

Full Course.

EDUCATION

Education 401:

History and Philosophy of Education

A fundamental study of the nature and aims of Education from ancient to contemporary systems culminating in the formulation of a truly humanistic Philosophy of Education for modern times.

Lectures: Three hours a week, two semesters.

Full course.

Education 402:

Psychology of Education

Prerequisite: Psychology 1.

A study of the nature, equipment, growth, development, evaluation and adjustment of the learner.

TEXTS: *Educational Psychology*—Kelly (Bruce)

Lectures: Three hours a week, two semesters.

Full course.

Education 403:

General and Special Methods of Teaching

The application of the elementary principles of Philosophy and Psychology of Education to the organization and presentation of subject matter in the classroom.

Lectures: Three hours a week, two semesters.

Full course.

Education 404:

History of Education

The general outline of the history of educational ideas with emphasis upon modern theories.

Lectures: Three hours a week, two semesters.

Full course.

Education 405:

Practice Teaching

One hundred hours of observation and practice teaching in the public school system and twenty hours of critically evaluated teaching in a model high school.

Education 406:

Content of Teaching

Individual tutorial instruction in the content of the subject to be taught by individual students.

Lectures: Three hours a week, two semesters.

Full course.

GRADUATE COURSES

Philosophy 511:

The Metaphysics of Love

A seminar and lecture course on the cultural significance of the metaphysics of love.

Sessions: Three hours a week, two semesters.

Full course.

Philosophy 521:

The Metaphysics of Thought

A seminar and lecture course in the development of epistemological theory.

Sessions: Three hours a week, two semesters.

Full course.

Philosophy 531T:

A tutorial course to be adapted to the special requirements of candidates specializing in philosophical research.

Psychology 512:

Psychology of Communication

A seminar and lecture course in the epistemological and psychological problems involved in inter-personal relations.

Sessions: Three hours a week, two semesters.

Full course.

Psychology 522T:

A tutorial course to be adapted to the special requirements of candidates specializing in psychological research.

English 514:

Characterization in Shakespeare

A seminar course in the literary and psychological implications of character creation in the tragedies of Shakespeare.

Sessions: Three hours a week, two semesters.

Full course.

English 524:

Philosophy of Drama

A seminar course in the source, nature and purpose of the modern drama.

Sessions: Three hours a week, two semesters.

Full course.

English 534T:

A tutorial course to be adapted to the special requirements of candidates specializing in literary research.

Research Methods 510:

Graduate research seminar

A seminar in research techniques culminating in the presentation and defence of theses.

Sessions: One hour a week, two semesters.

Full course.

Education 519:

Educational Administration

A seminar and lecture course analyzing the executive requirements for institutional direction.

Sessions: Three hours a week, two semesters.

Full course.

Education 529:

Educational Supervision

A seminar and lecture course in the requirements for the direction of teachers, courses, and student development in the public school.

Sessions: Three hours a week, two semesters.

Full course.

ENGINEERING

Engineering 101:

Engineering Drawing

An introductory course in drawing, the use of the slide rule and other aids to calculation; orthographic projection, sectioning and auxiliary views; lettering. Theoretical work designed to lead directly into Engineering 201 (Descriptive Geometry).

TEXTS: *Engineering Drawing*—Luzader (Prentice-Hall); *Lessons in Lettering, Book I*—French and Turnbull (McGraw-Hill); *Problems in Engineering Drawing*—Luzader

Lectures and Laboratory: Three hours a week, two semesters.

Engineering 102:

Surveying

Care and use of instruments, surveying methods; measurement of distance, difference in elevation, direction angles. The elements of circular

and vertical curves; applications of astronomy to engineering. Course credit requires the successful completion of Survey Camp.

TEXT: *Elementary Surveying*—Davis (McGraw-Hill)
Lectures: Three hours a week, two semesters.

Engineering 103:

Survey Camp

Prerequisite: Engineering 102

Survey 1 applied to practical surveying problems; the orderly compilation and recording of survey data. Transit and tape surveys, curve layouts, plane table work, astronomical observations.

TEXTS: *Elementary Surveying*—Davis (McGraw-Hill); *Surveyors' Field Note Forms*—Bardsley and Carlton (International Textbook Company)

Three weeks field course immediately following spring term.

Engineering 201:

Descriptive Geometry

Prerequisite: Engineering Drawing.

Problems on points, lines; plane and warped surfaces and developments. Practical application of descriptive geometry as an engineering tool; problems related to construction, topographical, geological and mining applications.

TEXTS: *Applied Descriptive Geometry*—Warner and McNeary (McGraw-Hill); *Applied Descriptive Geometry Problems*—Warner and Douglass (McGraw-Hill)

Lectures: One hour a week, one semester.

Laboratory: Three hours a week, one semester.

Engineering 202:

Thermodynamics

Prerequisite: Physics 2.

Energy in general and the laws of thermodynamics; non-flow and steady-flow equations with applications; Carnot cycle and development of the entropy concept; steam power plants, refrigeration.

TEXT: *Thermodynamics*—Van Wylen (Wiley)

Lectures: Three hours a week, one semester.

Engineering 203:

Graphic Statics

Prerequisite: Engineering 101, Mathematics 2 (concurrently).

Equilibrium polygon and polygonal frames for all systems of loads; graphical representation of shear and moment for non-continuous beams; roof trusses, bents including dead and live loads with fixed ends and ends on rollers; simple cantilevers.

TEXT: *Mechanics for Engineers*—Beer and Johnson (McGraw-Hill)
Lectures: Two hours a week, one semester.
Laboratory: Three hours a week, one semester.

Engineering 301:

Kinematics

Prerequisite: Engineering 101, Mathematics 1.

Displacement diagrams for linkages, instant centres, layout and drawing of some common mechanisms. Velocity determinations for linkages using instant centres and velocity vectors. Acceleration determination with the use of acceleration diagrams, coriolis acceleration. Solution of velocity problems by analytical methods.

TEXTS: *Kinematics of Machines*—Hinkle (Prentice-Hall); *Problems in Kinematics*—Hinkle (Prentice-Hall)
Lectures: Two hours a week, one semester.
Laboratory: Three hours a week, one semester.

Engineering 302:

Applied Mechanics

Prerequisite: Mathematics 2, Mathematics 3 (concurrently).

Force, friction, determination of centroids and moments of inertia. Rectilinear, curvilinear and rotational motion of particles and solid bodies; work, energy and power, impulse of momentum.

TEXT: *Mechanics for Engineers*—Beer and Johnson (McGraw-Hill)
Lectures: Three hours a week, two semesters.

Engineering 303:

Fluid Mechanics

Prerequisite: Mathematics 2.

A study of fluid mechanics fundamentals based on an engineering science approach to compressible and incompressible fluids. Fluid properties and characteristics; fluid statics; conservation of mass and energy; Euler's equation of motion and Bernoulli's equation; impulse momentum in steady flow; and an introduction to the boundary layer concept.

TEXT: *Principles of Fluid Mechanics*—Kenyon (Ronald)
Lectures: Three hours a week, one semester.
Laboratory: Three hours a week, one semester

Engineering 304:

Materials

Prerequisite: Mathematics 3 (may be taken concurrently).

An analytical treatment of stress-strain relationships for tension, compression and shear; torsion in shafts; shear and moment and stresses in beams; and statically indeterminate problems.

Physical properties of common materials used in structures and machines; their manufacture and fabrication. Testing machines and standard tests.

TEXTS: *Elements of Strength of Materials*—Timoshenko-Young (Van Nostrand); *Engineering Materials*—Committee on Engineering Materials (Pitman)

Lectures: Three hours a week, two semesters.

Engineering 305:

Electric Circuits

Prerequisite: Mathematics 2, Physics 3 (concurrently).

Circuit elements; Ohm's Law, Kirchoff's Laws, equilibrium equations (mesh and node); the principle of duality; network theorems; energy and power; complex impedance and the use of phasors; steady state analysis of circuits; two-terminal networks; two-terminal-pair networks and basic measurements.

TEXT: To be announced.

Lectures: Three hours a week, two semesters.

ENGLISH

Special English:

Instruction is given in grammar, syntax, punctuation, etc. This course is obligatory for students whose ranks in the English placement test are below average; no credit is given any University English course until this special course is successfully passed.

Lectures: Two hours a week, two semesters.

No course credit.

English 1:

Survey of English Literature: From Anglo-Saxon to the twentieth century. Selected readings in poetry and prose. One play of Shakespeare.

Composition and Speech: Compulsory theme writing. Public Speaking attendance and participation are compulsory.

TEXTS: *English Literature*—Clark, Dickinson, Hudson and Pace (Bret-Macmillan); *Pocket Dictionary and Thesaurus*.

Lectures: Four hours a week, two semesters.

Full course.

English 2:

Introduction to major literary forms.

TEXTS: *Understanding Poetry*—Brooks & Warren (Holt, Rinehart, Third Edition); *Tragedy: Plays, Theory and Criticism*—Levin (Harcourt, Brace); *Novels:* Swift's *Gulliver's Travels*, *Pride and Prejudice*, *Wuthering Heights*; Lord Jim (Rinehart Editions); *The Power and the Glory*; 1984.

Lectures: Four hours a week, two semesters.

Full course.

English 3:

The Prose and Poetry of the English Renaissance; An examination of the age and its non-dramatic literature.

Composition: Formal writing, an examination of the principles and techniques of research writing. Term papers will be required.

TEXTS: *Tudor Prose and Poetry*—Hebel, Hudson (Appleton-Century); *Seventeenth Century Prose and Verse*—White, Wallerstein and Quintana (Bret-Macmillan).

Students are advised to see the department for summer reading.

Lectures: Three hours a week, two semesters. Full course.

English 4:

Dramatic Literature of the English Renaissance

Composition: Formal writing, an examination of the principles and techniques of research writing. Term papers will be required.

TEXTS: Shakespeare; *Typical Elizabethan Plays*—Schelling and Black (Harper)

Students are advised to see the department for summer reading.

Lectures: Three hours a week, two semesters. Full course.

English 5:

English Neoclassicism; a study of Restoration and Eighteenth Century Literature.

Composition: Formal term papers, critical analyses.

TEXTS: *Eighteenth Century Prose and Poetry*—Bredvold, McKillop and Whitney (Ronald Press)

Students are advised to see the department for summer reading.

Lectures: Three hours a week, two semesters. Full course.

English 6:

Pre-Romantic and Romantic English Literature: A study of the prose and poetry of the late eighteenth and early nineteenth centuries.

Composition: Formal term papers, critical analyses.

TEXTS: *English Romantic Poetry and Prose*—Noyes (Oxford)

Students are advised to see the department for summer reading.

Lectures: Three hours a week, two semesters. Full course.

English 7:

English Literature of the Victorian Age. Poetry: Tennyson, Arnold and Browning. Prose: Carlyle, Newman, Ruskin, Morris and Arnold.

Composition: Formal term papers, critical analyses.

TEXTS: *Victorian Prose*—Harold and Templeman

Poetry, paperback editions of the authors.

Lectures: Three hours a week, two semesters. Full course.

Physical properties of common materials used in structures and machines; their manufacture and fabrication. Testing machines and standard tests.

TEXTS: *Elements of Strength of Materials*—Timoshenko-Young (Van Nostrand); *Engineering Materials*—Committee on Engineering Materials (Pitman)

Lectures: Three hours a week, two semesters.

Engineering 305:

Electric Circuits

Prerequisite: Mathematics 2, Physics 3 (concurrently).

Circuit elements; Ohm's Law, Kirchoff's Laws, equilibrium equations (mesh and node); the principle of duality; network theorems; energy and power; complex impedance and the use of phasors; steady state analysis of circuits; two-terminal networks; two-terminal-pair networks and basic measurements.

TEXT: To be announced.

Lectures: Three hours a week, two semesters.

ENGLISH

Special English:

Instruction is given in grammar, syntax, punctuation, etc. This course is obligatory for students whose ranks in the English placement test are below average; no credit is given any University English course until this special course is successfully passed.

Lectures: Two hours a week, two semesters.

No course credit.

English 1:

Survey of English Literature: From Anglo-Saxon to the twentieth century. Selected readings in poetry and prose. One play of Shakespeare.

Composition and Speech: Compulsory theme writing. Public Speaking attendance and participation are compulsory.

TEXTS: *English Literature*—Clark, Dickinson, Hudson and Pace (Bret-Macmillan); *Pocket Dictionary and Thesaurus*.

Lectures: Four hours a week, two semesters.

Full course.

English 2:

Introduction to major literary forms.

TEXTS: *Understanding Poetry*—Brooks & Warren (Holt, Rinehart Third Edition); *Tragedy: Plays, Theory and Criticism*—Levin (Harcourt, Brace); *Novels*: Swift's *Gulliver's Travels*, *Pride and Prejudice*, *Wuthering Heights*; Lord Jim (Rinehart Editions); *The Power and the Glory*; 1984.

Lectures: Four hours a week, two semesters.

Full course.

English 3:

The Prose and Poetry of the English Renaissance; An examination of the age and its non-dramatic literature.

Composition: Formal writing, an examination of the principles and techniques of research writing. Term papers will be required.

TEXTS: *Tudor Prose and Poetry*—Hebel, Hudson (Appleton-Century); *Seventeenth Century Prose and Verse*—White, Wallerstein and Quintana (Bret-Macmillan).

Students are advised to see the department for summer reading.

Lectures: Three hours a week, two semesters. *Full course.*

English 4:

Dramatic Literature of the English Renaissance

Composition: Formal writing, an examination of the principles and techniques of research writing. Term papers will be required.

TEXTS: Shakespeare; *Typical Elizabethan Plays*—Schelling and Black (Harper)

Students are advised to see the department for summer reading.

Lectures: Three hours a week, two semesters. *Full course.*

English 5:

English Neoclassicism; a study of Restoration and Eighteenth Century Literature.

Composition: Formal term papers, critical analyses.

TEXTS: *Eighteenth Century Prose and Poetry*—Bredvold, McKillop and Whitney (Ronald Press)

Students are advised to see the department for summer reading.

Lectures: Three hours a week, two semesters. *Full course.*

English 6:

Pre-Romantic and Romantic English Literature: A study of the prose and poetry of the late eighteenth and early nineteenth centuries.

Composition: Formal term papers, critical analyses.

TEXTS: *English Romantic Poetry and Prose*—Noyes (Oxford)

Students are advised to see the department for summer reading.

Lectures: Three hours a week, two semesters. *Full course.*

English 7:

English Literature of the Victorian Age. Poetry: Tennyson, Arnold and Browning. Prose: Carlyle, Newman, Ruskin, Morris and Arnold.

Composition: Formal term papers, critical analyses.

TEXTS: *Victorian Prose*—Harold and Templeman

Poetry, paperback editions of the authors.

Lectures: Three hours a week, two semesters. *Full course.*

English 8:

Middle English. An examination of the language and literature of Chaucer and his contemporaries, English and Scottish.

Composition: Formal term papers, critical analyses.

TEXTS: To be announced.

Lectures: Three hours a week, two semesters.

Full course.

English 9:

Introduction to Literary Criticism.

Prerequisite: three University English courses.

A review of the major phases and tendencies in the development of literary theory, instruction in the techniques of practical criticism, and close analysis of prescribed literary texts.

TEXTS: *Literary Criticism: A Short History*—Wimsatl & Brooks
Anthology of English Verse—Hayward.

Lectures: Three hours a week, two semesters.

Full course.

English 10:

Prerequisite: English 1 and 2.

Twentieth Century Literature: Analysis and criticism; dramas, poetry, essays, short stories, novels.

Composition: Essays, formal and informal, imitative of modern trends in style; speeches, debates, radio talks.

TEXTS: *Four Modern Plays*—Ibsen, Shaw, O'Neill, Miller (Rinehart)
The Waste Land and Other Poems—T. S. Eliot (Faber and Faber);
Modern Verse—Jones (Oxford Univ. Press); *Short Story Masterpieces*—Warren and Erskine (Dell); Library.

Lectures: Three hours a week, two semesters.

Full course.

English 11:

Prerequisite: Two University English courses.

Comedies of Shakespeare: Seven prescribed plays. The Sonnets of Shakespeare. Weekly themes assigned on the background of Shakespeare, the theatre of his time, critical studies of the comedies.

Lectures: Three hours a week, two semesters.

Full course.

English 12:

Prerequisite: Two University English courses.

The Novel: Historical development of the English novel. Critical book reports on authors studied. First semester: Defoe to Dickens. Second semester: Thackeray to twentieth century.

Prospective students must consult instructor and arrange for summer reading.

Lectures: Three hours a week, two semesters.

Full course.

English 13:

Shakespearean Tragedy

Hamlet, Othello, King Lear, Macbeth, Timon of Athens. Themes assigned on the life of Shakespeare. The Theatre of his time, critical studies of the tragedies.

TEXTS: *Complete works of Shakespeare. Bradley's Shakespearean Tragedy. What Happens in Hamlet*—J. Dover Wilson.

Lectures: *Three hours a week, two semesters.*

Full course.

FRENCH

French 101:

A first year college course for beginners. A rapid survey of French grammar along with composition and translation designed to provide the student with a foundation in the understanding and active use of spoken French. Credit will be given only on completion of French 201.

TEXT: *A Conversational Introduction to French*—Heise and Muller (Dodd, Mead)

Lectures: *Three hours a week, two semesters.*

Full course.

French 102:

Prerequisite: Matriculation French.

The course comprises (a) intensive practice in spoken and written French; (b) an introduction to literary French through selected readings. Students are required to pass an oral and written examination at the end of each semester. Use of the language laboratory is a required part of the course.

TEXT: *Oral and Written French*—Stack (Oxford)

Lectures: *Three hours a week, two semesters.*

Full course.

Lab oratory: *One hour a week, two semesters.*

French 201:

Prerequisite: French 101.

A continuing basic course in French for those who have begun study of the language in College. On successful completion of this course, students will be permitted to take French 202.

TEXT: *A Conversational Introduction to French*—Heise and Muller (Dodd, Mead)

Lectures: *Three hours a week, two semesters.*

Full course.

French 202:

Prerequisite: French 102.

A course in advanced composition and translation. A study is made of selected literary works. Students are required to pass an oral and written examination at the end of each semester.

TEXTS: *Cours de langue et de civilisation française, Vol. IV: La France et ses écrivains*—G. Mauger (Hachett); *French Review Grammar*—Dondo and Ernst (Holt & Co.); *Harrap's Concise French*

English Dictionary.

Lectures: Three hours a week, two semesters

Full course.

Arrangements will be made for classes in spoken French.

French 3:

An Introduction to the History of French Literature

Prerequisite: French 1 and 2.

This course is a prerequisite for French 4 to 6 inclusive. The lectures are given in French.

TEXTS: *IV La France et ses écrivains*—G. Mauger (Hachette); *Lectures Classiques et Modernes*—Michaud (Odyssey Press);

Lectures: Literature, two hours a week, two semesters.

Full course.

Composition, one hour a week, two semesters.

French 4:

French Literature: From the Romantics to the Present Day

The lectures are given in French.

TEXTS: *Manuel des Etudes Littéraires Françaises, XIXe siècle, XXe siècle*—P. Castex & P. Surer (Hachette)

Lectures: Three hours a week, two semesters.

Full course.

French 5:

French Literature: From the Renaissance to the Revolution

The lectures are given in French.

TEXTS: *Manuel, XVIIe siècle, XVIIIe siècle, XVIIIe siècle*—P. Castex & P. Surer (Hachette)

Lectures: Three hours a week, two semesters.

Full course.

French 6:

French Literature: The Middle Ages

The lectures are given in French.

TEXT: *Manuel, Moyen Age*—P. Castex & P. Surer

Lectures: Three hours a week, two semesters.

Full course.

GEOLOGY

Geology 1:

General Geology

The earth as a planet; igneous activity; weathering and erosion; sedimentation; earth movements; metamorphism; economic minerals. Historical Geology; the history of Geology.

TEXTS: *Principles of Geology*—Gilluly, Waters and Woodford (Freeman)

Lectures: Three hours a week, two semesters.

Full course.

Laboratory or field work: Three hours a week, two semesters.

Geology 2:

Mineralogy

Crystallography; atomic structure of crystals; morphological classification of crystals. Chemical mineralogy; determinative mineralogy; occurrence and associations of minerals.

TEXT: *Mineralogy*—Kraus, Hunt and Ramsdell (McGraw-Hill) Fifth Edition

REFERENCES: *Mineralogy*—Berry and Mason (Freeman); *Dana's Mineralogy*—Palache et al (Wiley)

Lectures: Three hours a week, two semesters.

Full course.

Laboratory or field work: Three hours a week, two semesters.

Geology 3:

Optical Mineralogy and Petrology

Prerequisite: Physics 1, Chemistry 1, Geology 2.

The optical properties of minerals. The description and interpretation of igneous, sedimentary, and metamorphic rocks.

TEXTS: *Optical Mineralogy*—Kerr; *Principles of Petrology*—Tyrell.

Lectures: Three hours a week, two semesters.

Full course.

Laboratory: Three hours a week, two semesters.

Geology 4:

Historical Geology

Prerequisite: Geology 1.

The history of the evolution of the North American continent as recorded by the sedimentary rocks, by the fossils they contain, and by the evolution of mountain ranges.

TEXT: *The Geological Evolution of North America*—Clark and Stearn.

REFERENCES: *Structural Geology of North America*—Eardley; *Geology and Economic Minerals of Canada*—Econ. Geol. Series No. 1, Geological Survey of Canada.

Lectures: Three hours a week, two semesters.

Full course.

Laboratory: Three hours a week, two semesters.

GERMAN

German 101:

This is an intensive course designed to give a solid foundation in basic German grammar and a sufficient acquaintance with the language to be read with some facility.

TEXT: *Elementary German*—Erika Meyer (Houghton Mifflin)

Lectures: *Three hours a week, two semesters.* Full course.

German 201:

Prerequisite: German 101.

Basic German grammar is completed at the beginning of this course and an introduction given to dictation and oral expression. The major part of the course is devoted to translation and discussion of selected literary and scientific readings.

TEXTS: *Simpler German Course*—Russon and Russon (Longmans)

Lectures: *Three hours a week, two semesters.* Full course.

GREGORIAN CHANT

N. B. With permission of the Dean these courses may replace required Theology courses.

Gregorian Chant 1:

The study and practice of solfeggic, syllabic, and neumatic chants on Gregorian and modern notation. Hymnody: sight reading of congregational hymns and three part equal voice motets. Liturgy: study of Papal documents on Church music and liturgy.

TEXTS: *Liber Brevior* (Gregorian Institute of America); *Cantate Domino* (Rossini).

Lectures: *Two hours a week, two semesters.* Full course.

Practice: *Two hours a week by arrangement.*

Gregorian Chant 2:

An intensive study of modality, elementary chironomy, melismatic chants. Polyphony: three and four part equal voice motets.

TEXTS: as for Gregorian Chant 1.

Lectures: *Two hours a week, two semesters.* Full course.

Practice: *Two hours a week by arrangement.*

HISTORY

History 1:

Survey of European History

A survey of European History from the fall of the Roman Empire to the present day.

TEXT: *A Survey of European Civilization*—Ferguson, Brunn (Houghton Mifflin)

Lectures: *Three hours a week, two semesters.*

Full course

History 2:

Survey of Canadian History

Prerequisite: One University history course.

The history of Canada; a general survey with special emphasis on the nineteenth and twentieth centuries.

TEXT: *Canada*—Edgar McInnis (Rinehart)

Lectures: *Three hours a week, two semesters.*

Full course.

History 3:

Tudor and Stuart England

Prerequisite: One University history course.

The history of England under the Tudors and Stuarts.

TEXT: To be announced.

Lectures: *Two hours a week, two semesters.*

Full course.

History 4:

Europe, 1815-1939

Prerequisite: One University history course.

The history of Europe, 1815-1939; particular emphasis will be placed on international relations 1870-1939.

TEXT: *Contemporary Europe since 1870*—Carleton J. Hayes (Macmillan)

Lectures: *Two hours a week, two semesters.*

Full course.

History 5:

United States, 1776-present

Prerequisite: One University history course.

The history of the United States, 1776 to the present day.

TEXT: To be announced.

Lectures: *Two hours a week, two semesters.*

Full course.

History 6:

Europe, 1648-1815

Prerequisite: One University history course.

The history of Europe from 1648 to 1815, with special emphasis on the history of France.

TEXT: To be announced.

Lectures: *Three hours a week, two semesters.*

Full course.

History 8:

Age of the Enlightenment in France

Prerequisite: One University history course. Normally History 6 will be required.

A history of ideas in France, 1685-1789.

TEXT: Selected writings of the leading thinkers of the age.

Seminar: Two hours a week, two semesters.

Full course.

History 9:

Renaissance and Reformation

Prerequisite: One University history course.

TEXT: To be announced.

Seminar: Two hours a week, two semesters.

Full course.

HISTORY OF ART

History of Art 1:

Prehistoric art; the art of Ancient Egypt, Crete; Classical Greek and Roman art; Early Christian Art; the Romanesque and Gothic era; the Art of Northern Europe; the Italian Renaissance.

TEXTS and READINGS: *The Magic of Art*—A. Czako (Pageant Press, New York); *History of World Art*—Upjohn, Wingert, Mahler (Oxford Univ. Press) Second Edition; *Histoire de l'art, Vol. I-II*—P. Lavedan (Presses Universitaires de France, Paris); *Geschichte der Kunst, Vol. I-II*—R. Hamann (München)

FOR ILLUSTRATIONS: *Key Monuments of the History of Art*—H. W. Janson (Prentice-Hall)

Lectures: Three hours a week, two semesters.

Full course.

History of Art 2:

Mannerism; the Age of the Baroque and Rococo; Flemish and Dutch art; Neo-classicism; Romanticism; Impressionism, Neo-impressionism; Expressionism; the art of the 20th century.

TEXTS and READINGS: As for History of Art 1

Lectures: Three hours a week, two semesters.

Full course.

HISTORY OF SCIENCE

History of Science 1:

An outline of scientific progress prior to the Black Death in Babylonia, Egypt, Ionia, Greece, Alexandria, the Roman World, the Byzantine Empire, the Arab World, and Western Europe.

TEXT: *A Short History of Science*—Sedgwick, Tyler and Bigelow (Macmillan)

REFERENCES: *A History of Science: Ancient Science Through the Golden Age of Greece*—Sarton; *A History of Science: Hellenistic Science and Culture in the Last Three Centuries B. C.*—Sarton

Lectures: Two hours a week, two semesters.

Full course.

History of Science 2:

The influence of the scientific background on literature and political thought, from the Black Death to the Age of Printing, and, century by century to the twentieth century.

TEXT: *A History of Thought Until 1900*—Singer (Oxford)

REFERENCES: *The History of Astronomy*—Abetti; *The History of Biology*—Nordenskiöld; *A History of Chemistry*—Brown; *History of Mathematics*—Ball; *A Short History of Medicine*—Singer; *The Rise of Modern Physics*—Crew

Lectures: *Two hours a week, two semesters.*

Full course.

JOURNALISM

Journalism 1:

Introduction to Journalism: History of press, radio and TV news; development of news agencies and feature bureaux; news values; ethics, laws of defamation; public relations; writing styles (with practical exercises at home and in offices).

Lectures: *Two hours a week, two semesters.*

Journalism 2:

Reporting and news assignments for daily and weekly newspapers, radio and magazines; copy and proofreading, headline writing, desk training; work of the photographer and cartoonist; radio and TV news broadcasts and editing; advertising.

Lectures: *Two hours a week, two semesters.*

Journalism 3:

Literary styles and criticism; writing opinions for newspapers and radio; writing features for newspapers and radio stations; lectures on specialized reporting of politics, civic affairs, the courts, sports, society, science.

Lectures: *Two hours a week, two semesters.*

LATIN

Latin 101:

A first year college course for those beginning the study of Latin. A rapid study is made of Latin grammar and syntax, along with composition and passages for translation. Credit will be given on completion of Latin 201.

TEXT: *Latin Course for Schools, Parts I and II*—Wilding (Faber and Faber)

Lectures: *Three hours a week, two semesters.*

Full course.

Latin 102:

Prerequisite: Matriculation Latin.

A thorough study of Latin syntax. Literature: Cicero's *Pro Archia*.

TEXT: *Latin Course for Schools, Part III*—Wilding (Faber and Faber)

Lectures: *Three hours a week, two semesters.* *Full course.*

Latin 201:

A continuing basic course in Latin for those who have begun the study of Latin in College. On successful completion of this course, students may be permitted to take Latin 202.

TEXT: *Latin Course for Schools, Parts II and III*—Wilding (Faber and Faber); selections from Cicero, Ovid, Livy.

Lectures: *Three hours a week, two semesters.* *Full course.*

Latin 202:

Introduction to Latin Epic Poetry: Emphasis is placed on the exact rendering of the thought content into idiomatic English. Prose composition stresses the correct translation of idiomatic English into Latin.

TEXTS: *Aeneid II, VI*—Virgil (Other parts of the *Aeneid* in translations); *Pro Lege Manilia*, Cicero; *Bradley's Arnold*, Prose Composition, Ex. 1-28.

Lectures: *Three hours a week, two semesters.* *Full course.*

Latin 3:

Prerequisite: Latin 2

A critical analysis and appreciation of Horace's art and ideals. Prose composition.

TEXTS: *Odes I, II, III: Satires*, Horace—Bennett and Rolfe (Allyn and Bacon); *Ars Poetica*, Horace—Wilkins (Macmillan); *Bradley's Arnold*, Prose Composition, Ex. 29-53.

Lectures: *Three hours a week, two semesters.* *Full course.*

Latin 4:

An intensive study of Cicero's rhetoric. Selections from Catullus. Prose composition.

TEXTS: *Pro Marcello; Pro Ligario*, Cicero; *Selections*, Catullus; *Bradley's Arnold*, Prose Composition, Ex. 54-64

Lectures: *Three hours a week, two semesters.* *Full course.*

Latin 5:

A tutorial course on Cicero (*De Amicitia, De Senectute*), Lucretius (*De Rerum Natura*). Roman history from its beginnings to the end of the Republic.

Full course.

Latin 6:

A tutorial course on Tacitus (Agricola), Livy (Books XXI and XXII) Juvenal (Satires). Roman history from Augustus to the beginning of the Middle Ages.

Full course.

Latin 7:

A tutorial course; directed readings and research; ecclesiastical Latin, or Latin philosophical sources.

Full course.

MATHEMATICS

Mathematics 1A:

Arts and Commerce Mathematics

Algebra: Exponents and radicals; variation; progressions; imaginary quantities and cube roots of unity; permutation and combination; binomial theorem with positive integral index.

Trigonometry: Radian measure; trigonometrical identities; complementary and supplementary angles; properties and solution of triangles; simple problems on heights and distances.

Analytical geometry: Cartesian co-ordinates; equation to straight lines.

TEXTS: To be announced

Lectures: Three hours a week, two semesters.

Full course.

Mathematics 1E:

Algebra and Trigonometry

This course is a prerequisite for all subsequent Mathematics courses.

Operations with real numbers; concept of functions; inequalities; logarithms; exponential functions; trigonometric functions; complex numbers; theory of equations; systems of equations (matrices); binomial theorem and probability; sequences.

TEXT: *Integrated Algebra and Trigonometry*—Fisher, Ziebur (Prentice-Hall)

Lectures: Five hours a week, two semesters.

Full course.

Mathematics 2:

Analytic Geometry

Prerequisite: Mathematics 1E.

Curves and equations, straight line, circle, parabola, ellipse and hyperbola; parametric equations; polar coordinates; rotation and translation of axis.

TEXT: *Introduction to Analytic Geometry*—Love and Rainville (Macmillan)

Calculus

Prerequisite: Mathematics 1E.

Limits, derivatives; related rates, extreme values; integral calculus; methods of integration and applications; length of a curve, areas, volumes, centroids, etc; different systems of coordinates, partial differentiation; iterated and multiple integration.

TEXT: *Calculus*—Sherwood and Taylor (Prentice-Hall)

Lectures: Six hours a week, first semester.

Three hours a week, second semester.

Full course.

Mathematics 3:

Advanced Calculus

Prerequisite: Mathematics 2.

Infinite series; Taylor's series; vector analysis; differential equations; Fourier's series; complex variable; matrices and determinants.

TEXT: *Advanced Calculus*—Kaplan (Addison-Wesley)

Lectures: Three hours a week, two semesters.

Full course.

Mathematics 4:

Mathematical Analysis

Prerequisite: Mathematics 1E, 2. (This course may not be taken for credit by those who have a credit in Mathematics 3).

Advanced theory of equations, differential equations; Fourier's series; complex variables; interpolations and curve fitting.

TEXT: To be announced.

Lectures: Three hours a week, two semesters.

Full course.

Mathematics 5:

Elementary Geometry of Quadrics

A second course in analytic geometry terminating in a knowledge of the properties of quadric surfaces.

TEXT: *Analytic Geometry*—Smith, Salkover, Justice (Wiley)

Lectures: Three hours a week, two semesters.

Full course.

Mathematics 6:

Elementary Theory of Equations

General theorems; methods of solutions; cubic and quartic equations; determinants; symmetric functions; resultants; discriminants and elimination.

TEXT: *The Theory of Equations*—Conkwright (Ginn)

Lectures: Three hours a week, two semesters.

Full course.

Mathematics 7:

Modern Algebra and Calculus

Prerequisite: Mathematics 2.

Boolean algebra, vector spaces, and calculus.

TEXT: To be announced.

Lectures: Three hours a week, two semesters.

Full course.

Mathematics 8:

Functions of a Real Variable

The continuous real variable; Dedkind's theorem; Weierstrass theorem; rational functions; loci in space; complex numbers; limits of a function; the infinite in analysis.

TEXT: *Mathematical Analysis, Vol. I*—Goursat-Hedrick (Ginn)

Lectures: Three hours a week, two semesters.

Full course

Mathematics 10:

Complex Variables and Differential Equations

General theory of analytic functions; single-valued analytic functions; analytic extension; analytic functions of several variables. Second-order differential equations; linear differential equations of higher order; algebra of inverse operators; systems of linear differential equations; solution in power series.

TEXTS: *Functions of Complex Variables*—Franklin (Prentice-Hall);

Elementary Differential Equations—Rainville (Macmillan)

Lectures: Three hours a week, two semesters.

Full course.

Mathematics 11:

Theory of Numbers

An introduction to the problems of the analytic number theory.

TEXT: *The Theory of Numbers*—Hardy and Wright (Oxford Univ. Press)

Lectures: Three hours a week, two semesters.

Full course.

Mathematics 12:

Modern Geometry

An introduction to the mathematical presuppositions and relations which form the basis of modern geometry.

TEXT: *The Foundation of Geometry*—Robinson (Univ. of Toronto Press)

Lectures: Three hours a week, two semesters.

Full course.

Mathematics 13:

Mathematical Statistics I

Prerequisite: Mathematics 2.

Definition; central tendency; dispersion; moments; regression; association and contingencies; simple, partial and multiple correlation; rank interclass and intra-class correlation; sample survey.

TEXTS: *Mathematical Statistics*—Weatherburn (Macmillan);
Theory of Statistics—Yule and Kendall (Griffin)

Lectures: Three hours a week, two semesters.

Full course.

Mathematics 14:

Mathematical Statistics II

Prerequisite: Mathematics 13.

Probability, theory of distributions; Fisher's Z-transformation elementary analysis of variance.

TEXTS: *Advanced Statistics, Vol. I*—Stuart and Kendall (Griffin)

Industrial Experimentation—K. A. Brownley (H. M. S. Stationery)

Lectures: Three hours a week, two semesters.

Full course.

PHILOSOPHY

Philosophy 1:

Logic: Traditional formal logic; philosophical terminology; acts of the intellect.

General Metaphysics and Natural Theology: The object of metaphysics; first principles of being and knowledge. The existence of God; his attributes; creation, conservation, providence; the problem of evil.

TEXTS: *Logic*—Kreyche (Macmillan); *Introduction to St. Thomas—Pegis* (Modern Library); *Introductory Metaphysics*—Dulles, Demske, O'Connell (Sheed)

Lectures: Three hours a week, two semesters.

Full course.

Philosophy 2:

Prerequisite: Philosophy 1.

Philosophy of Man: Body-soul relationship in man; sensory and intellectual cognition; the will and its freedom; Descartes, Hume, Kant.

Epistemology: The problem of knowledge. A study of Descartes, Locke, Hume, Kant and Modern Thomism.

TEXTS: *Man and His Nature*—Royce (McGraw-Hill); *Discourse on Method, Meditations of First Philosophy*—Descartes (Liberal Arts); *Essay on Human Understanding*—Locke (Gateway Ed.); *An Inquiry Concerning Human Understanding*—Hume (Liberal Arts); *Prolegomena to any Future Metaphysics*—Kant. Other text to be announced.

Lectures: Three hours a week, two semesters.

Full course.

Philosophy 3:

Prerequisite: Philosophy 1 and 2.

General Ethics: The general principles of morality and the natural law.

Special Ethics: Rights and obligations, personal, domestic, civil; socialism, Marxism; international law and the ethics of war; medical and business ethics.

TEXTS: *Man as Man*—Higgins (Rev. Ed., Bruce); *Introduction to St. Thomas—Pegis* (Modern Library)

Lectures: Three hours a week, two semesters.

Full course.

Philosophy 4:

History of Ancient and Medieval Philosophy

Prerequisite: Philosophy 1 and 2.

Greece and Rome: the history of philosophic thought from its beginnings to Neo-Platonism. The development of ideas in the writings of the great thinkers of the Middle Ages.

TEXTS: *History of Philosophy, Vol. I, Vol. II*—F. Copleston (Newman)

Lectures: *Three hours a week, two semesters.*

Full course.

Philosophy 5:

History of Modern and Contemporary Philosophy

Prerequisite: Philosophy 1 and 2.

Philosophical thought from the Renaissance to the nineteenth century. Present day currents of philosophical thought with special consideration given to the philosophers of England and France.

TEXT: Selected readings in the main philosophical thinkers of the 17th, 18th, 19th and 20th centuries.

Lectures: *Three hours a week, two semesters.*

Full course.

Philosophy 6, 7:

Open to Honours students only.

Tutorial or seminar courses; directed research in special philosophical problems.

Full courses.

PHYSICS

Physics 1:

General Physics

Introduction to mechanics, sound, light, heat, electricity.

TEXT: *Principles of College Physics*—Shortly and Williams (Prentice-Hall)

Lectures: *Three hours a week, two semesters.*

Full course.

Laboratory: *Three hours a week, two semesters.*

Physics 2:

Heat, Light and Sound

Prerequisite: Physics 1, Mathematics IE, Mathematics 2 (May be taken concurrently).

Basic physical laws related to light, heat, and sound, are integrated and verified experimentally. Hydrostatics.

TEXT: *Elements of Physics*—Shortly and Williams (Prentice-Hall)

Lectures: *Three hours a week, two semesters.*

Full course.

Laboratory: *Three hours a week, two semesters.*

Physics 3:

Electricity and Magnetism

Prerequisite: Physics 2, Mathematics 2, Mathematics 3 (concurrently)

Coulomb's Law, electric field, Kirchoff's Law, capacitance, magnetic field, inductance D. C. motors and generators; alternating currents, resonance power, transformers, three phase alternating current. Thermionic emission, multi-electrode vacuum tubes and the cathode ray oscillograph.

TEXT: *Electricity and Magnetism*—Duckworth (Macmillan)

Lectures: *Three hours a week, two semesters.*

Full course.

Laboratory: *Three hours a week, two semesters.*

Physics 4:

Vector Algebra, Vector Analysis, and Mechanics

Prerequisite: Physics 2, Mathematics 3.

Unit vectors, sum of vectors, difference of vectors, scalar products of vectors, cross product of vectors, multiple products of vectors; the gradient; mechanics.

TEXT: *Mechanics*—Slater and Frank (McGraw-Hill)

Lectures: *Three hours a week, two semesters.*

Full course.

Physics 5:

Electrical Measurements and Electron Physics

Prerequisite: Mathematics 2, Physics 3.

Liberation of electrons from atoms; emissions; ionizations; discharges in gases; control of free electrons; power, audio and radio frequencies. Operational methods; measurements; application of electronic devices and circuits.

TEXTS: *Ions, Electrons and Ionizing Radiations*—Crowther (Arnold);

Electrical Measurements and Their Applications—Michels (Van Nostrand)

Lectures: *Three hours a week, two semesters.*

Full course.

Laboratory: *Three hours a week, two semesters.*

Physics 7:

Atomic Physics

Prerequisite: Mathematics 2, Physics 3, Mathematics 3, (may be taken concurrently)

An introduction to quantum theory and wave mechanics by way of a review of the classical experiments of atomic physics.

TEXTS: *Atomic Physics*—Finkelburg (McGraw-Hill); *Procedure in Experimental Physics*—Strong (Prentice-Hill)

Lectures: *Three hours a week, two semesters.*

Full course.

Laboratory: *Three hours a week, two semesters.*

Physics 9:

Physical Optics and Optical Instruments

Prerequisite: Physics 2, Mathematics 2 and 3.

Electromagnetic theory; interference; diffraction; polarization; spectrum analysis. The use of glass and quartz spectrographs, lumber plates interferometers, polarimeters, and other optical apparatus.

TEXTS: *Physical Optics*—Robertson (Van Nostrand); *Fundamentals of Physics Optics*—Jenkins and White (McGraw-Hill)

Lectures: Three hours a week, two semesters.

Full course.

Laboratory: Three hours a week, two semesters.

Physics 11:

Introduction to Modern Physics

Prerequisite: Physics 3, Physics 5 (laboratory), Mathematics 3.

An introductory course on the theory of relativity, spectroscopy, atomic physics, nuclear physics, x-rays, wave mechanics, cosmic rays, fundamental particles.

TEXT: *Introduction to Modern Physics*—Richtmeyer (McGraw-Hill)

Lectures: Three hours a week, two semesters.

Full course.

POLITICAL SCIENCE

Political Science 1:

Introductory Political Science

The scope and methodology of Political Science. The natural law; the nature of the state; the purpose of the state; constitutional government.

TEXT: *Fundamentals of Government*—Schmandt and Steinbicker (Bruce)

Lectures: Three hours a week, two semesters.

Full course.

Political Science 2:

Democratic Government

The essential features of democratic government as observed in the governments of Britain, the United States and Canada. Special attention to such topics as pressure groups, political parties and the growth of the executive in modern government.

TEXT: *Democratic Government and Politics*—J. A. Corry (Univ. of Toronto Press)

Lectures: Three hours a week, two semesters.

Full course.

Political Science 3:

Soviet Russia

Not open to Freshmen

History, culture and political institutions. Marxism as it has been applied and modified by successive Soviet Rulers. Soviet International relations.

TEXT: Lecture notes; required readings.
Lectures: Two hours a week, two semesters. *Full course.*

Political Science 4:

Canadian Government

Prerequisite: Political Science 1 or 2.

A study of the Canadian form of constitutional democracy.

TEXT: *Government of Canada*—R. McG. Dawson (Univ. of Toronto Press).

Lectures: Three hours a week, two semesters. *Full course.*

Political Science 5:

International Relations

Prerequisite: Political Science 1, History 1 or equivalent.

A survey of international relations from the emergence of the modern state system to the present; nationalism, analysis of national sovereignty, imperialism and the balance of power, power politics and international organizations.

TEXT: *Introduction to International Relations*—C. Schleicher (Prentice-Hall)

Lectures: Three hours a week, two semesters. *Full course.*

Political Science 6:

Comparative Study of Governments

Prerequisite: Political Science 1 or 2.

A detailed analysis of the institutional function of the governments of the United Kingdom, France, Germany and the U.S.S.R.

TEXT: *Major Foreign Powers*—Carter, Ranney, Herz (Harcourt Brace and Company)

Lectures: Three hours a week, two semesters. *Full course.*

Political Science 7:

The Middle East

Not open to Freshmen

A brief historical and political survey of the area, with a study of the modern political institutions of the Middle Eastern States.

TEXT: *A Short History of the Middle East*—G. Kirk (Methuen)

Lectures: Two hours a week, two semesters. *Full course.*

Political Science 8:

International Law and Diplomacy

Not open to Freshmen.

The principle mores, customs, rules and laws set up to regulate and control international relations among states in the political, diplomatic, cultural and other fields.

TEXT: *Introduction to the Law of Nations*—O. Svarlien (McGraw-Hill)
Lectures: Three hours a week, two semesters. **Full course.**

Political Science 9:

The British Commonwealth

Prerequisite: Political Science 1 or equivalent History course.

The development of governmental institutions in the nations of the Commonwealth, with particular attention to area problems in India, South Africa and Canada.

TEXT: To be announced.

Lectures: Two hours a week, two semesters. **Full course.**

Political Science 10:

Political Theory

Prerequisite: Approval of the Department.

A lecture and seminar course dealing with political theory from Plato to the present.

TEXT: To be announced.

Lectures: Two hours a week, two semesters. **Full course.**
Seminar: Two hours a week, two semesters.

PSYCHOLOGY

Psychology 1:

General Psychology

The general principles of sensation, perception, response and integration, stressing comprehension, retention and the nature and control of intelligence and personality.

TEXT: *Psychology: The Unity of Human Behaviour*—Gannon (Ginn)

Lectures: Three hours a week, two semesters. **Full course.**

SOCIOLOGY

Sociology 1:

Introductory Sociology

Man's biological and cultural heritage; man's social nature, problems of group life; racial conflicts; social institutions; social maladjustments. An essay covering field work investigation is required.

TEXT: *Introductory Sociology*—Murray (Appleton).

REFERENCES: *Current Social Problems*—Mihanovich; *Social Principles*—Cronin.

Lectures: Three hours a week, two semesters. **Full course.**

Sociology 2:

Social Problems Involving Disorganization and Deviance

A positive approach to establish proper perspectives for adjustment to personal, family, industrial, religious, social and various other problems such as addictions, health, handicaps; vocational difficulties; emotional controls and suicide; industrial hazards, community problems, national problems, minority groups, war, population, prejudice and discrimination; family problems.

TEXT: *Current Social Problems*—Mihanovich (Bruce)

REFERENCES: *The World of Work*—Robert Dubin (Prentice-Hall); *Psychology of Personal Adjustment*—F. McKinney (Wiley); *Social Problems and Social Action*—Walsh & Furfey (Prentice-Hall); *Canadian Society*—Blishen, Jones, Naegele, Porter (Macmillan)

Lectures: Three hours a week, two semesters.

Full course.

Sociology 3:

Criminology

Theories of criminality; development and prevention of delinquent and criminal behaviour; agencies of law enforcement and the treatment of criminals.

TEXT: *Criminology*—Cavan (Crowell Co.) Second Edition.

REFERENCE: Standard texts by: Reckless, Sutherland, Glueck, Teeters, etc.

Lectures: Three hours a week, two semesters.

Full course.

Field work in correctional areas is an essential part of this course.

Sociology 4:

Urban Sociology

(a) Study of modern cities including: physical patterns and location; city planning and redevelopment; problems of population composition and mobility; social problems arising out of class distinction, leisure and changing human relations; community behavior.

(b) Changing family life in cities including: family disorganization; marriage problems; changing role of women; welfare agencies.

TEXTS: *Urban Sociology* (A.B.C.)

Marriage and the Family—Mihanovich, Schnepf, Thomas (Bruce)

REFERENCES: *The Urban Community*—Nels Anderson (Holt, Rinehart & Winston Inc.); *Canadian Society*—Blishen, Jones, Naegele, Porter (Macmillan); *Urbanism and the Changing Canadian Society*—S. D. Clark (Univ. of Toronto Press)

Lectures: Three hours a week, two semesters.

Full course.

Sociology 5:

Anthropology

Through the comparative study of primitive man we examine various aspects of the character and function of mankind's social groupings and

institutions. We study briefly the nature of man's cultures and relate this to the physical and social development of man himself.

TEXT: *Introduction to Anthropology*—Beals and Hoijer (Macmillan)
REFERENCES: *The Science of Man*—Titiev (Holt and Co.); *General Anthropology*—Turney-High (Crowell Co.); *Anthropology*—Kroeber (Brace)

Lectures: *Three hours a week, two semesters.*

Full course.

THEOLOGY

Theology 1:

Sources of Revelation

A historical and doctrinal study of biblical literature and inspiration; religious, social, political backgrounds of the life of Christ; the Gospels; the public life of Christ; founding of the Church. This course is specially recommended to non-Catholics.

TEXTS: *The New Testament*—Confraternity Edition (St. Anthony Guild Press); *Christ as King and Prophet*—Fernal (LeMoyne Series)

Lectures: *Two hours a week, two semesters.*

Full course.

Theology 2:

Sources of Revelation

The redemptive sacrifice of Christ studied in Sacred Scripture and in Christian tradition. The Mass; The Mystical Body.

TEXTS: *The New Testament*—Confraternity Edition (St. Anthony Guild); *Christ Our High Priest*—Fernal (LeMoyne Series)

Lectures: *Two hours a week, two semesters.*

Full course.

Theology 3:

Theology of Christian Living

The Church: juridical structure; Church and State; the layman's role in the Church. The supernatural life: its growth and development. The sacraments; with special emphasis on the sacrament of marriage.

TEXT: *The Teaching of the Catholic Church*, Vol. II.—Edited by G. Smith (Macmillan)

Lectures: *Three hours a week, two semesters.*

Full course.

Theology 4:

Basic Theological Problems

Prerequisite: Two courses in Philosophy, one of which may be taken concurrently.

Faith, revealed truth; God, unity and Trinity; man, his origin and destiny; the natural and supernatural; original sin; Christology: Incarnation, Hypostatic Union, Redemption; Mariology.

TEXT: *The Teaching of the Catholic Church*, Vol. I.—Edited by G. Smith (Macmillan)

Lectures: *Three hours a week, two semesters.*

Full course.

Theology 5:

Old Testament

Introduction to all the books of the Old Testament; attempts to discover, in the light of modern biblical scholarship, the divine message, as expressed in Israel's historical, legal, prophetic, poetical, sapiential, devotional, and apocalyptic writings, which are the inspired books of the Old Testament. This course is specially recommended to non-Catholics.

TEXT: *The Bible*

Lectures: *Three hours a week, two semesters.*

Full course.

Theology 6:

Theology of the Spiritual Life

Christian perfection: its meaning and principles, applied to the various states of life—married, single, religious, priestly. Union with Christ through grace, theological and moral virtues, gifts of the Holy Ghost, prayer, the sacraments.

TEXT: *The Spiritual Life, Tanqueray*

Lectures: *Three hours a week, two semesters.*

Full course.

Theology 7:

New Testament

Attempts to discover, in the light of modern biblical scholarship, the divine message in the New Testament writings, with special emphasis on the writings of St. Paul and of St. John. This course is recommended for non-Catholics.

TEXT: *The Bible*

Lectures: *Three hours a week, two semesters.*

Full course.

SCHOOL OF SACRED THEOLOGY

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Reverend John I. Hochban, S.J.
Reverend Frederick E. Crowe, S.J.
Reverend J. Elliott MacGuigan, S.J.
Reverend David M. Stanley, S.J.

GENERAL INFORMATION

Regis College, formerly known as The Jesuit Seminary, was opened as a School of Theology at 403 Wellington Street, West, Toronto, in September, 1943 and was incorporated under the laws of Ontario on February 27th, 1958. By a special decree of the Sacred Congregation of Seminaries and Universities issued at Rome, February 17th, 1956 the Faculty of Theology of Regis College became part of the canonically erected Pontifical Theological Faculty of the Collège de l'Immaculée-Conception, Montreal. By virtue of this decree, graduates of Regis College who have fulfilled all the prescriptions demanded by the **Statuta Facultatum Theologiae et Philosophiae** of the Society of Jesus (1934) and the **Ratio Studiorum Superiorum** (1954) become eligible for the Licentiate in Sacred Theology, the degree being conferred by the Collège de l'Immaculée-Conception. On January 2nd, 1957 Saint Mary's University, Halifax, N. S. granted, effective for the academic year 1956-57 and thereafter, the status of affiliation to Regis College as the University's School of Sacred Theology. In March 1961, Regis College was moved to its present location, 3425 Bayview Ave., Willowdale, Ontario.

Regis College has its own Rector, dean, and academic council. Because of the nature of the course, the high standard exacted, and the maturity of the student body, a high professor-student ratio is maintained (at present one professor for each 5-6 students). Teaching assignments for staff members are kept purposely low to provide them with sufficient leisure for close personal direction of students and ample opportunity for their own research and writing for publication.

OBJECTIVES

The School of Sacred Theology has the following objectives:

1. To give the student a thorough formation in the sacred and allied disciplines by imparting a body of knowledge in the theological sciences derived from theological sources and according to scientific method;
2. to train the student in a knowledge of source material and in the practice of scholarly research methods;
3. to make theology a vital influence in the life of the student, to render it the continuation and climax of the liberal education previously received, to develop an awareness of the relevance of theology to the needs and concerns of man today, and to impart the skills and techniques necessary in the priestly ministry such as sacred eloquence, liturgical action, pastoral guidance, and counseling;
4. finally, to contribute to the advancement of theological science and to the cultural life of the community.

While the last of these objectives is relevant especially to members of the teaching staff, the student is the school's primary concern; therefore what follows concerns mainly his formation.

ACADEMIC PROGRAM

The School of Sacred Theology offers two curricula of study, the Master's curriculum and the Baccalaureate curriculum. While the objectives outlined above are common to both curricula, the nature of each program demands a distinct emphasis. The Baccalaureate program is less concerned with the speculative aspects of theological questions and emphasizes the use of theology in pastoral ministry and its practical applications in other areas. The Master's program, on the other hand, lays greater stress on strict theological formation and research methods.

Towards the accomplishment of objectives as they are to be differently realized through the two curricula, the pattern of each curriculum follows a hierarchical order according to the greater importance and excellence of the various subjects. The division of subjects in the Master's curriculum is as follows:

- I. **Principal Courses** (essentially required for the accomplishment of aims): Fundamental and Dogmatic Theology, Moral and Pastoral Theology, Sacred Scripture, Canon Law, Ecclesiastical History, Patrology, and Christian Archaeology.

- II. **Auxiliary Courses** (necessary for the deeper understanding of the principal courses): Biblical Hebrew, Biblical Greek, Liturgy and its history, Oriental Theology, Ascetical Theology.
- III. **Elective Courses** (complementary courses leading to a more thorough understanding of certain of the principal and auxiliary courses) Two such electives are required. With the approval of the dean, these are selected from the courses currently offered according to the particular needs or interests of the student.
- IV. **Special Courses** (required for the acquisition of certain pastoral skills): Ecclesiastical Rites, Sacred Eloquence, Guidance and Counseling methods.

Students in the Master's curriculum must also participate in two research seminars to demonstrate their aptitude for scholarly investigation in the field of theology and other sacred sciences.

Students in the Baccalaureate curriculum are not required to follow courses in Biblical Hebrew, Biblical Greek, Oriental Theology, or the elective courses. They may, however, with the approval of the dean, audit these latter. In keeping with the aims of this curriculum there is added instruction in pastoral, guidance, and counseling methods. Academic exercises and term papers replace the research seminars.

ADMISSION

At present, a necessary condition of admission to the School of Sacred Theology is membership in the Society of Jesus. Only students who have attained a Master's degree or its equivalent in Philosophy are admitted to courses leading to the M.A. in Theology; a Bachelor's degree in Philosophy is required for entrance to the course leading to the Baccalaureate in Sacred Theology.

LIBRARY

The new library building with a capacity of 120,000 volumes was completed in 1961. The book collection numbers upwards of 49,000 volumes, primarily in the fields of historical and current theology, biblical studies, patristic and conciliar documents and allied subjects. Particular emphasis is being laid on the development of an extensive collection of outstanding periodicals; at present approximately 200 are being received.

The library makes readily available to faculty and students the scholarly materials needed for research and instruction. The quality and strength of its holdings offer, too, considerable advantages to scholars from other institutions in the area.

DEGREES AND EXAMINATIONS

To merit the M.A. in Theology or the Baccalaureate, a student must manifest a sufficiently high level of scholarship in the oral and written examinations each year during the four year program to merit the qualification "**probatus.**" (A student is **probatus** who has obtained at least 60% in an examination.) Failure to achieve this qualification in any examination in Fundamental or Dogmatic Theology immediately disqualifies a candidate from the Master's program. In addition to the examinations for each course, Master's candidates must submit a thesis as evidence of their competence in handling the tools and techniques of scientific research; they must, furthermore, successfully pass a three hour written examination and an eighty minute oral examination, conducted in Latin, covering the entire field of Fundamental and Dogmatic Theology. A similar but less comprehensive oral examination of forty five minutes is demanded of students working toward the Bachelor's degree.

DESCRIPTION OF COURSES

I. PRINCIPAL COURSES

A. Fundamental and Dogmatic Theology

Baccalaureate Program

- | | | |
|-----------|---|---------------|
| Th 111R | Revelation | (4 sem. hrs.) |
| | A less comprehensive and less intensive treatment of the contents of course Th 211R. First Year. | |
| Th 112R | Tradition and Introduction to Sacred Scripture | (5 sem. hrs.) |
| | A less comprehensive and less intensive treatment of the contents of course Th 212R. First Year. | |
| Th 113-4R | Ecclesiology | (7 sem. hrs.) |
| | A less comprehensive and less intensive treatment of the contents of course Th 213-4R. First Year. | |
| Th 121R | God in His Unity | (3 sem. hrs.) |
| | A less comprehensive and less intensive treatment of the contents of course Th 221R. Second, Third, and Fourth Years. (1) | |

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- (1) Courses noted as given to three years, viz. Second, Third, and Fourth are cycle courses taught every third year; those given to two years, e.g. First and Second, are cycle courses taught in alternate years.

- Th 122R **The Trinity** (3 sem. hrs.)
 A less comprehensive and less intensive treatment of the contents of course Th 222R. Second, Third, and Fourth Years.
- Th 123R **God the Creator** (2 sem. hrs.)
 A less comprehensive and less intensive treatment of the contents of course Th 223R. Second, Third, and Fourth Years.
- Th 124R **Original Justice and the Fall** (3 sem. hrs.)
 A less comprehensive and less intensive treatment of the contents of course Th 224R. Second, Third, and Fourth Years.
- Th 125R **Christology** (3 sem. hrs.)
 A less comprehensive and less intensive treatment of the contents of course Th 225R. Second, Third, and Fourth Years.
- Th 126R **Soteriology and Mariology** (3 sem. hrs.)
 A less comprehensive and less intensive treatment of the contents of course Th 226R. Second, Third, and Fourth Years.
- Th 127R **Actual Grace** (3 sem. hrs.)
 A less comprehensive and less intensive treatment of the contents of course Th 227R. Second, Third, and Fourth Years.
- Th 128R **Habitual Grace and the Virtues** (3 sem. hrs.)
 A less comprehensive and less intensive treatment of the contents of course Th 228R. Second, Third, and Fourth Years.
- Th 129R **Sacramental Theology I** (6 sem. hrs.)
 A less comprehensive and less intensive treatment of the contents of course Th 229R. Second, Third, and Fourth Years.

Th 130R **Sacramental Theology II** (6 sem. hrs.)
A less comprehensive and less intensive treatment of the contents of course Th 230R. Second, Third, and Fourth Years.

Th 131R **Eschatology** (1 sem. hr.)
A less comprehensive and less intensive treatment of the contents of course Th 231R. Second, Third, and Fourth Years.

MASTER'S PROGRAM

Th 211R **Revelation** (4 sem. hrs.)
Notion, possibility, and necessity of authoritative, supernatural revelation. Criteria and certitude of revelation. The canons and limitations of the historical method. Jesus as Divine Legate and Messiah, His preaching and miracles; the Resurrection as confirming His testimony; the preambles of divine faith; the termination of public revelation and dogmatic progress. First Year.

Th 212R **Tradition and Introduction to Sacred Scripture** (5 sem. hrs.)
The sources of public revelation and their interrelationships; the existence, nature, and instruments of tradition; biblical inspiration, hermeneutics, principles of textual criticism, history of the canon; genuinity, historicity, and substantial integrity of the Gospels. The relation of the sources to dogma and of dogma to theology. First Year.

Th 213-4R **Ecclesiology** (7 sem. hrs.)
The origins of the Church; the function of the Apostles and the unique position of Peter; nature, essential attributes, and necessity of the Church for salvation; apologetic and dogmatic evidence for the identification of the Roman Catholic Church with the Church established by Christ; papal primacy and infallibility; social nature of the Church; the Mystical Body. First Year.

Th 221R **God in His Unity** (4 sem. hrs.)
God's revelation of His own unicity; His attributes and operations; nature of God's knowledge and will; our ability to know God by rational argumentation; our supernatural knowledge of Him; divine Providence; the mystery of predestination. Second, Third, and Fourth Years.

- Th 222R **The Trinity** (4 sem. hrs.)
 Scriptural and patristic evidence for the existence of the mystery of the Trinity; theological exposition of the divine processions, relations, persons, and missions. Second, Third and Fourth Years.
- Th 223R **God the Creator** (2 sem. hrs.)
 Concept and reality of creation of the material universe, angels, and men; purpose of creation; freedom of the divine creative act; evolution and monogenism in the light of revelation. Second, Third and Fourth Years.
- Th 224R **Original Justice and the Fall** (4 sem. hrs.)
 Supernatural and praeternatural endowments of man in his original state; man's lapse from the supernatural order; nature, transmission, and consequences of original sin. Second, Third, and Fourth Years.
- Th 225R **Christology** (4 sem. hrs.)
 The Incarnation, its reality, necessity, and nature; the divinity and humanity of Christ; unity of personality and duality of nature; the Hypostatic Union, its nature and implications; the prerogatives of the human nature of Christ. Second, Third, and Fourth Years.
- Th 226R **Soteriology and Mariology** (4 sem. hrs.)
 Purpose of the Incarnation; concept and possibility of the Redemption through Christ; necessity for and freedom of the Redemption; realization of the Redemption through the threefold office of Christ as prophet, king, and priest; reality of Christ's priestly office and its exercise in Christ's sacrifice; Christ's vicarious satisfaction and merits. Divine maternity of Mary, her privileges and her function in the divine plan of salvation. Second, Third, and Fourth Years.
- Th 227R **Actual Grace** (4 sem. hrs.)
 Nature and necessity of actual grace; gratuity and universality of grace; relation of actual grace to human freedom. Second, Third, and Fourth Years.
- Th 228R **Habitual Grace and the Infused Virtues** (4 sem. hrs.)
 Concept and causes of Justification; preparation for Justification; nature, attributes, and formal effects of habitual

- Th 243R **New Testament III** (3 sem. hrs.)
 Acts as portraying beginnings of the Church; Paul, life and relation to Judaizers; major Pauline epistles; development of Paul's thought. Third and Fourth Years. (Master's and baccalaureate programs.)
- Th 245R **Old Testament I** (3 sem. hrs.)
 The historical books; origin and nature of the Pentateuch; questions connected with Gen. 1-11; Abraham and the history of salvation; the patriarchal saga; the era of Moses; law and covenant; Exodus and the conquest of the land; the Israelite amphictyony; origin and significance of kingship; the divided monarchy; fall of Jerusalem and period of the Exile. Third and Fourth Years. (Master's and baccalaureate programs.)
- Th 246R **Old Testament II** (3 sem. hrs.)
 Israel's Wisdom literature; origins in ancient Near East and development in Israel; Proverbs, Ben Sira, and Qoheleth. Job and the problem of innocent suffering; selected Psalms with special attention to the Messianic hope; the Book of Wisdom and Hellenistic influence; origins and growth of the apocalyptic movement; specimens of apocalyptic writing; Wisdom and Torah. Third and Fourth Years. (Master's and baccalaureate programs.)
- Th 247R **Old Testament III** (3 sem. hrs.)
 The prophets; origins of prophecy; function of the prophet; ecstatic prophecy in Israel; the classical prophets beginning in the 8th century B.C.; comparison of Amos and Hosea; Isaiah and the Emmanuel oracles; Jeremiah and the fall of Judah; second foundation of Judaism. Third and Fourth Years. (Master's and baccalaureate programs.)

C. MORAL THEOLOGY

- Th 251-2R **Moral Theology I** (8 sem. hrs.)
 Fundamental principles of morality; human acts, their freedom and imputability; natural and positive law, interpretation, obligation, extent; conscience, its binding force; probabilism and moral systems; nature and kinds of sin; the virtues; the commandments of the Decalogue with the exception of the seventh and tenth; marital morality; principal precepts of the Church. First and Second Years. (Master's and baccalaureate programs.)

- Th 253-4R **Moral Theology II** (8 sem. hrs.)
 The seventh and tenth commandments, justice, rights, injuries, principles of restitution; contracts, their general conditions, various particular contracts; medico-moral and legal-moral principles; duties of employers and employees; moral aspects of the sacraments. First and Second Years. (Master's and baccalaureate programs).
- Th 255-6R **Pastoral Theology** (2 sem. hrs.)
 Special pastoral applications of the material treated in courses Th 251-2R and Th 253-4R. Third and Fourth Years. (Baccalaureate program.)
- Th 257R **Methods of Interview and Counseling I** (4 sem. hrs.)
 Application of moral and ethical principles to individual problems. Techniques involved in the interview. Practical solutions to be given with regard to particular circumstances of personality, occupation, and environment. First and Second Years. (Master's and baccalaureate programs.)
- Th 258R **Methods of Interview and Counseling II** (4 sem. hrs.)
 Continuation of the preceding course. Third and Fourth Years. (Master's and baccalaureate programs.)

D. CANON LAW

- Th 265R **Canon Law I** (3 sem. hrs.)
 General norms of Church Law as contained in Book I of the **Codex Iuris Canonici**; ecclesiastical legislation on religious men and women (**Codex**, Book II, Part 2) and on Church property (**Codex**, Book III, Part 6). First and Second Years. (Master's and baccalaureate programs.)
- Th 267R **Canon Law II** (3 sem. hrs.)
 Legislation on impediments and irregularities to Holy Orders (**Codex**, Book III, Part 2, Tit. 6, art. 1 & 2); on schools and seminaries (**Codex**, Book III, Part 4, Tit. 21 and 22), on the prohibition and censoring of books (**Codex**, Book III, Part 4, Tit. 22, Chaps. 1 & 2), on delinquencies and penalties (**Codex**, Book V). First and Second Years. (Master's and baccalaureate programs.)

E. ECCLESIASTICAL HISTORY

- Th 272R **Ecclesiastical History I** (4 sem. hrs.)
A survey of the first millennium, 30 A.D. to 1060 A.D. in the light of the growth and development of Christian dogma; the early spread of Christianity and the persecutions; the work and writings of the Fathers; survey of Christian Archaeology; the origin and development of monasticism; early Church-state problems; the rise and significance of Islam; the Church and the Papacy during the dark ages. First and Second Years. (Master's and baccalaureate programs.)
- Th 274R **Ecclesiastical History II** (3 sem. hrs.)
A similar survey of the second millennium; the medieval Church and gradual centralization; struggles between Papacy and Empire; the medieval Papacy; the western schism; the Reformation and Counter-reformation; development of Protestantism; ecclesiastical element in the French Revolution and connected movements; revival of the Church in the nineteenth century; the Church of the present day. First and Second Years. (Master's and baccalaureate programs.)

II. AUXILIARY COURSES

- Th 281R **Biblical Hebrew** (3 sem. hrs.)
The peculiar modes of semitic expression and the elements of Hebrew grammar, through selected readings in the Hebrew Old Testament. Third Year. (Master's program.)
- Th 283R **Biblical Greek** (1 sem. hr.)
The morphological and syntactical difference between **koine** and classical Greek, through selected readings in the Greek New Testament. First and Second Years. (Master's program.)
- Th 285R **Oriental Theology** (1 sem. hr.)
Survey of the dissident Eastern Churches and of the controverted dogmatic issues between them and the Roman Catholic Church. First and Second Years. (Master's program.)
- Th 287R **Liturgy** (1 sem. hr.)
Historical and theological treatment of the origin, develop-

ment, and meaning of the rites and formularies of public, Christian worship. Third and Fourth Years. (Master's and baccalaureate programs.)

- Th 289R **Ascetical Theology** (1 sem. hr.)
A systematic and scientific exposition of the nature of spiritual perfection, the means to acquire it, and obstacles to acquisition; various schools of spirituality; mystical prayer. Third and Fourth Years. (Master's and baccalaureate programs).

III. ELECTIVE COURSES

The program of electives at present includes the following one semester-hour courses: (Master's program)

- The Concept of Salvation in the New Testament
- Modern Theological Trends
- Ante-Nicene Patrology
- Special Questions in the Epistle to the Hebrews
- Introduction to the Ignatian Spiritual Exercises
- Contemporary Protestantism in Canada
- The Roman Church in the 3rd Century
- Special Questions in Canon Law
- Select Questions in Inspiration
- Comparative History of Religions
- Biblical Theology of the Old Testament
- Ancient History of the Near East
- Pastoral Psychology
- Contemporary Problems in Moral Theology
- The Theology of History
- Catholic Theology and Existentialism

IV. SPECIAL COURSES

- Th 292R **Ecclesiastical Rites** (1 sem. hr. non-credit)
Instruction and practice in the rubrical administration of the sacraments and in the manner of celebrating Mass and performing other sacred functions. Third Year. (Master's and baccalaureate programs)
- Th 293-4R **Sacred Eloquence I** (2 sem. hrs. non-credit)
The study and practice of principles and techniques for effective preaching. First Year. (Master's and baccalaureate programs.)

Th 295-6R **Sacred Eloquence II** (2 sem. hrs. non-credit)
Continuation of courses Th 293-4R. Second Year. (Master's and baccalaureate programs.)

Th 297R **Sacred Eloquence III** (1 sem. hr. non-credit)
Continuation of courses Th 295-6R. Third year. (Master's and baccalaureate programs.)

V. SEMINARS

The seminar is a group research project under the direction of a professor. Normal conduct of the seminar involves the selection of a single theme, various aspects of which are distributed among the participants for investigation. The findings of each are critically discussed and evaluated by all in the group meetings. To show his competence for scholarly work in the field, each participant must submit a paper detailing the results of his own research in his aspect of the common theme. The current program of seminars includes the following:

The Nature of Sacrifice

New Testament Doctrine on the Eucharist

Influence of Egyptian Monasticism in Church History

Messianism

Wisdom in the Old Testament

Gratia Operans in St. Thomas

Contemporary Problems in Moral Theology

The Church in the doctrine of St. Thomas

Origin and Evolution of the Apostolic Symbol

Theological Foundations of the Lay Apostolate

CONVOCATION - - MAY 15th, 1961

MEDALS AND PRIZES

GOVERNOR-GENERAL'S MEDAL.....David Andrew Hope
Awarded to the student who has made the most outstanding
contribution in scholarship and student activities

ARTS

Highest Aggregate in Four Years Arts.....Angus David MacAdam
Gold Medal donated by Most Reverend J. Gerald Berry, D.D.

Highest Aggregate Third Year Arts.....Ursula Bohlmann
Arts Faculty Ring donated by Honourable Harold Connolly

Highest Aggregate Second Year Arts.....Thomas Mabey
Donated by Halifax Newman Club Alumni

Highest Aggregate in First Year Arts.....William Cunningham

SCIENCE

Highest Aggregate in Fourth Year Science.....Kevin Michael Moriarty
Gold Medal donated by Saint Mary's University Ladies' Auxiliary

Highest Aggregate in Third Year Science.....Peter Fu Gar Fong
Science Faculty Ring donated by Mr. and Mrs. W. A. Russell

Highest Aggregate in Second Year Science.....Douglas McAdam Leahey

Highest Aggregate in First Year Science.....John Fu Yeu Fong

COMMERCE

Highest Aggregate in Four Years Commerce.....David Andrew Hope
Gold Medal donated by Messrs. Henry Birks & Sons

Highest Aggregate in Second Year Commerce.....Vaughan O'Regan
Commerce Faculty Ring donated by Mr. Alban M. Murphy in
memory of Flying Officer Patrick Scott Murphy

Highest Aggregate in First Year Commerce.....John Budrew

ENGINEERING

Highest Aggregate in Three Years EngineeringDonald James Chiasson
Gold Medal donated by Mr. and Mrs. J. M. Inglis in
memory of their son Delisle Inglis

Highest Aggregate in Second Year Engineering.....Eng Hwa Lee
Engineering Faculty Ring donated by Doctor R. W. McColough

EDUCATION

Highest Aggregate in Education Reverend Joseph Murray Abraham, S.J.
Gold Medal donated by Right Reverend William Burns, P.A.,
V.G., P.P., in memory of Reverend Doctor John Burns

Public Speaking.....William Cunningham
Gold Medal in memory of Pilot Officer W. A. Haliburton

Radio Speaking (CHNS Trophy).....William Gorman
French.....John Albert Yogis

Bronze Medal donated by the Cultural Relations Department
of the Republique Francaise

Carroll Essay Contest.....Marian Peters

SPECIAL PRIZE

Science.....Joseph F. Gallant

Engineering.....David Arnold Grantham

GRADUATES—MAY 15, 1961

BACHELOR OF ARTS

Aulenbach, Mary.....	Halifax, N. S.
Baker, George Richardson.....	Halifax, N. S.
Connolly, Walter Owen.....	Sydney, N. S.
Cullinan, Donald Leo (magna cum laude).....	Saint John, N. B.
Doyle, Lloyd Clement.....	Inverness, N. S.
Feron, Donald Joseph.....	Halifax, N. S.
Henderson, Hugh Robert (magna cum laude).....	Trinidad, W. I.
Laws, Gordon Frederick.....	St. John's, Nfld.
Lightle, John Robert.....	Halifax, N. S.
MacAdam, Angus David (magna cum laude).....	Halifax, N. S.
McGrath, Daniel Joseph.....	Hantsport, N. S.
McGrath, John Michael.....	Halifax, N. S.
MacNeil, James Callistus.....	Sydney, N. S.
MacNeil, John Bernard.....	Glace Bay, N. S.
Matheson, Myrtle Elizabeth.....	Halifax, N. S.
Mercier, Jean Honore.....	Gatineau, P.Q.
Murphy, Paul Francis.....	Falmouth, Maine
Parker, Carroll Edwin.....	Fort Fairfield, Maine
Poan, Francis Bert.....	Halifax, N. S.
Richard, John Jude.....	Bathurst, N. B.
Saunders, Robert Cyril.....	Halifax, N. S.
Yogis, John Albert (magna cum laude).....	Halifax, N. S.

BACHELOR OF SCIENCE

Carroll, Peter Brian.....	Waverley, N. S.
Gallant, Joseph F.....	Halifax, N. S.
Joncas, Kevin Francis.....	Dartmouth, N. S.
Miller, Francis James.....	Fall River, N. S.
Moriarty, Kevin Michael.....	Halifax, N. S.
O'Connor, John Robert.....	Dorchester, Mass.
Sumarah, Robert Kenneth.....	Halifax, N. S.

BACHELOR OF COMMERCE

Carter, Michael Francis Kennedy.....	Ottawa, Ont.
Comerford, William Michael.....	Halifax, N. S.
Cox, Ronald David (B.A.).....	Halifax, N. S.
Coyle, Frederick Thomas (B.A.).....	Woodlawn, N. S.
Gunn, James Brian.....	Halifax, N. S.
Hammond, Francis Andrew.....	Halifax, N. S.
Hartlen, Thomas Allison.....	Halifax, N. S.
Hope, David Andrew (summa cum laude).....	Halifax, N. S.
Langlois, Louis A.....	Halifax, N. S.
Lombard, John (Sean) Joseph.....	Medford, N. S.
Power, Gerald Frederick (B.A.).....	Halifax, N. S.
Reardon, Robert Joseph.....	Halifax, N. S.
Tobin, Douglas Thomas.....	Halifax, N. S.
Walsh, Earl Gerard Bernard.....	Halifax, N. S.

DIPLOMA IN ENGINEERING

Boylan, James Arthur.....	Bridgewater, N. S.
Chan, Michael Chi Chung.....	Hong Kong
Chiasson, Donald James.....	Halifax, N. S.
Chua, Siang Kok.....	Kuching, Sarawak
Feeley, Cornelius Daniel.....	Thomson Station, N. S.
Gillespie, Robert James.....	Halifax, N. S.
Grantham, David Arnold.....	Halifax, N. S.
Griffin, Dunstan Peter.....	Charlottetown, P. E. I.
Leung, Thomas Hong Yuen.....	Hong Kong
Lloyd, Raymond Byard.....	Cambridge Station, N. S.
Murrans, John Alexander.....	Halifax, N. S.
Nolen, James Vincent.....	Halifax, N. S.
Saulnier, Joseph Hubert.....	Church Point, N. S.
Shay, Daniel Anthony.....	Kentville, N. S.
Sheehan, Richard L.....	Halifax, N. S.
Tharayil, Jose.....	India
Wintermeyer, Carl H.....	Port Credit, Ont.

BACHELOR OF EDUCATION

Abraham, Rev. J. Murray, S. J. (B.A.) (summa cum laude).....	Halifax, N. S.
Clancy, Catherine Marie (B.A.).....	Halifax, N. S.
Cogswell, Elizabeth Louise (B.Sc.).....	Halifax, N. S.
Crowdis, Heather Jane (B.Sc.).....	Halifax, N. S.
DeBaie, B. F. Calvin (B.Comm.).....	Dartmouth, N. S.
Deveau, Gerard (B.A.) (cum laude).....	Halifax, N. S.
Dockrill, Frederick Joseph (B.A.) (cum laude).....	Halifax, N. S.
Doucette, Edward Gerard (B.A.).....	Halifax, N. S.
Duann, Leonard Joseph (B.A.).....	Halifax, N. S.
Eldridge, Maynard Peter (B.A.) (cum laude).....	Halifax, N. S.
Holland, Arthur Graham (B.A.) (cum laude).....	Westphal, N. S.
Jensen, Roy Stanley Kitchener (B.A.).....	Halifax, N. S.
Kelly, Kenneth Michael (B.A.).....	Halifax, N. S.
Kerr-Wilson, John Robert (B.A.).....	Woodlawn, N. S.
Kimball, Robert Guy (B.Sc.).....	Halifax, N. S.
Langlois, Louis Fidell (B.A.).....	Halifax, N. S.
MacRae, Warren Wallace (B.Sc.).....	Dartmouth, N. S.
O'Regan, James Mulcahy (B.Comm.)	Halifax, N. S.
Palvesky, Ralph (B.A.).....	Armdale, N. S.
Perry, Carl Fathergill (B.Sc.) (cum laude).....	Halifax, N. S.
Sangster, Ella Watt (B.A.).....	Halifax, N. S.
Williams, Colleen Claire (B.Sc.).....	Dartmouth, N. S.

MASTER OF SOCIAL WORK

Burns, Kevin Cahill Gerard (B.A.).....	Halifax, N. S.
Cleary, Thomas Gerard Joseph (B.A.).....	Dartmouth, N. S.
Hickey, Gerald Francis (B.A.).....	Saint John, N. B.
Sutherland, Janet (B.A.).....	Halifax, N. S.

MASTER OF ARTS

Chau, Rory Kai-Yau (B.Sc., B.Ed.).....	Hong Kong
Cleary, Kevin John Augustine (B.A., B.Ed.).....	Bishop Falls, Nfld.
Dickie, Robert Balcome (B.A., B.Ed.).....	Halifax, N. S.
Essery, Barbara Marie (B.A., B.Ed.).....	Halifax, N. S.
Fergusson, Norman Hugh (B.Sc., B.Ed.).....	Woodlawn, N. S.
Hope, Bernard Donald (B.Comm., B.Ed.).....	Halifax, N. S.
Johnson, John Francis (B.A., B.Ed.).....	Halifax, N. S.
MacLean, Ralph Cecil (B.A., B.Ed.).....	Bedford, N. S.
MacNeil, Mary Clare (B.A., B.Ed.).....	Halifax, N. S.
Morrison, Patricia Dorothea (B.A., B.Ed.).....	Halifax, N. S.
Phelan, Marie Margaret (B.A., B.Ed.).....	Halifax, N. S.
Thompson, Dorothy Jean (B.A., B.Sc., Dip. Ed.).....	Halifax, N. S.
Wedderburn, Hobartson Augustus (B.A., B.Ed.).....	Halifax, N. S.

GRADUATES—OCTOBER, 1961

BACHELOR OF ARTS

Butler, Peter Francis.....	Halifax, N. S.
Himmelman, Marie June (B.Mus.) (summa cum laude).....	Halifax, N. S.
Holder, Marian Elizabeth (magna cum laude).....	Halifax, N. S.
Kelly, Granville Vincent.....	Halifax, N. S.
MacDonald, Isabel (magna cum laude).....	New Glasgow, N. S.
Makhan, Chris Anthony.....	Trinidad, B.W.I.
Murphy, William Andrew.....	Montreal, P.Q.
Perrott, Blair Graham.....	Spryfield, N. S.
Publicover, Isabel (summa cum laude).....	Halifax, N. S.
Tumilty, Robert Alexander.....	Halifax, N. S.
Webber, Reginald Wilfred.....	Dartmouth, N. S.
Woolley, Lillian Arlene.....	Dartmouth, N. S.

BACHELOR OF SCIENCE

James, Raymond Gerard.....	Dominica, B.W.I.
Keddy, Wayne Gordon.....	Halifax, N. S.

BACHELOR OF COMMERCE

Beed, Ronald George.....	Halifax, N. S.
Hubley, Bernard.....	Halifax, N. S.
Stuart, John Torrance.....	Halifax, N. S.
Sullivan, James Douglas.....	Halifax, N. S.

DIPLOMA IN ENGINEERING

Belliveau, Leo J. J.....	Weymouth, N. S.
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MASTER OF SOCIAL WORK

McIvor, Desmond, B.Sc.....	Spryfield, N. S.
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