CALENDAR

of

The University of Saint Mary's College

HALIFAX, N. S., CANADA

Under the Direction of the Jesuit Fathers

1942-1943

A. M. D. G.

HALIFAX, NOVA SCOTIA 1942

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ACADEMIC CALENDAR, 1942-43

Sept.	5	Saturday	Surveying Camp Opens at Truro.
Sept.	19	Saturday	Registration of Students.
Sept.	21	Monday	College Supplemental Examinations.
Sept.	22	Tuesday	Schola Brevis in all Departments.
Sept.	24	Thursday	Mass of the Holy Ghost.
Sept.	26	Saturday	Surveying Camp Closes.
Oct.	12	Monday	Thanksgiving Day.
Oct.		Monday	Alumni General Meeting.
Nov.	1	Saturday	All Saints Day.
Nov.	8	Sunday	Annual Spiritual Retreat.
Nov.	11	Wednesday	Remembrance Day. Requiem Mass for
			Alumni. C.O.T.C. Church Parade.
Dec.	8	Tuesday	Feast of the Immaculate Conception. Patron-
			al Feast. Sodality Reception.
Dec.	21	Monday	Christmas Recess begins after Morning
			Lectures.

Jan.	7	Thursday	Lectures Resumed.
Jan.	11	Monday	General Meeting of Graduates Society.
Jan.	20	Wednesday	Half-yearly Examinations Commence.
Feb.	22	Monday	Supplemental Examinations.
Mar.	17	Wednesday	Saint Patrick's Day.
Apr.	19	Monday	Public Speaking Contest.
Apr.	20	Tuesday	Seniors Closed Retreat.
Apr.	21	Wednesday	Easter Recess Begins at Noon.
Apr.	27	Tuesday	Lectures Resumed.
Apr.	30	Thursday	Freshman Public Speaking Contest.
May	5	Wednesday	Election of Class Officers.
May		Friday	Final Examinations Commence.
May	18	Tuesday	Annual C.O.T.C. Banquet.
May	19	Wednesday	Pontifical High Mass. Baccalaureate Sermon.
May	20	Thursday	Convocation. Graduates and Alumni Dinner.
May	21	Friday	Graduates Tea.
May	•22	Saturday	C.O.T.C. Camp.

SENATE OF SAINT MARY'S COLLEGE

As Constituted in Accordance with the Act of 1918

CHANCELLOR

His Excellency, Most Reverend J. T. McNally, D.D., The Archbishop of Halifax.

VICE-CHANCELLOR

RIGHT REV. MONS. ALPHONSUS R. DONAHOE, PH.D., J.C.D.

MEMBERS

RIGHT REV. MONS. JOSEPH CURRY, P.P.

VERY REV. C. J. KEATING, S.J., President.

RIGHT REV. W. BURNS, V.G.

HON. R. G. BEAZLEY.

Hon. R. E. Finn, K.C.

THOMAS W. MURPHY, K.C.

SER JOSEPH CHISHOLM, KT., LL.D., Chief Justice of Nova Scotia.

WILLIAM R. POWELL, ESO.

JOHN J. PENNY, M.A.

HON. GEORGE H. MURPHY, M.D., C.M., F.A.C.S.

HON. MR. JUSTICE W. F. CARROLL, B.A.,LL.B.

ERNEST I. GLENISTER, B.A., M.D., C.M.

GERALD P. FLAVIN, LL.B.

HON. JOHN A. WALKER, M.A.,LL.B.

M. J. CARNEY, B.A., M.D., C.M., F.R.C.P.

R. W. McColough, S.B., M.E.I.C.

Rev. J. L. Quinan.

SAINT MARY'S COLLEGE

HISTORY

S we learn from the records of the time, the early years of the 19th century were characterized by a great and practical interest on the part of the Clergy and Catholic people of Halifax in the all-important matter of education. This interest found tangible expression in the foundation, under the inspiration of Right Reverend Bishop Fraser, of a college for Catholic students which was carried on for some years without any financial assistance from or official recognition on the part of the Provincial Government of the day. This college was situated on the site now occupied by Saint Mary's Girls' School on Grafton Street. Its first Principal was the Reverend Father R. B. O'Brien, D.D., and amongst other professors, the staff included Reverend Father Michael Hannon, afterwards Archbishop of Halifax.

In the year 1841 it was determined to make application to the Legislature for recognition and financial assistance and accordingly a measure was introduced carrying the title: "An Act for Incorporating the Trustees of Saint Mary's College at Halifax."

This Bill was entered in the House of Assembly on 17th March 1841 and passed on the 29th day of March of the same year, Mr. Joseph Howe being the Speaker of the House. Thus was the young college launched on its career as an institution of Higher Learning and although it had been in existence for some years previous, this date is generally accepted as that of the foundation of St. Mary's College.

The power conferred by the Act of 1841 was granted for a period of eleven years but on the 8th day of April, 1852, a new Act was passed making the privileges of Saint Mary's perpetual.

For some years after this, the President of the College was the Reverend Father Michael Hannon who in 1861 was succeeded by the Reverend Father Patrick Power. Prominent among the students of those days were the late Archbishop McCarthy, the late Sir Malachi Bowes

Daly, Lieutenant Governor of Nova Scotia, who was a Bachelor of Arts of Saint Mary's College, the late Peter O'Hearn, Principal for many years of Saint Patrick's High School and the late Martin Griffin, Parliamentary Librarian for Canada.

It must be remembered that, in those days, educational institutions had, for the most part, an arduous struggle for existence and temporary suspension of activities for some years at a time was not unheard of. St. Mary's had its own share of such vicissitudes.

In 1873 the Act of 1841 was reaffirmed "in the same manner and to the same extent." It would seem that this reaffirming in 1873 was deemed necessary because the rights of the Act of 1841 "had been allowed to expire through inadvertence."

In the meantime, the site of the College had been transferred to Belle Aire Terrace and placed under the management of the Christian Brothers of the Congregation of Saint John Baptist de la Salle. Subsequently the College was transferred to a building in Barrington Street where we now find Saint Theresa's Home.

On February 23rd 1881 Mr. Patrick Power, one of the best-known and most influential business men in Halifax died. It is not too much to say that, were it not for the generous bequest made by Mr. Power in favour of Saint Mary's College, the institution would be unable to carry on, and if the College is found to be of service in the cause of Catholic Education, the name of Patrick Power must be held in grateful memory.

In 1903 the College was reorganized by His Excellency, Archbishop O'Brien and a valuable new property secured at the intersection of Quinpool Road and Windsor Street. The Right Reverend Monsignor Kennedy was appointed President, being succeeded after an interval of about two years by the Right Reverend Monsignor McManus, under whose able and energetic direction the College remained until 1913. In that year, on the invitation of His Excellency Most Reverend E. J. McCarthy, the Christian Brothers of Ireland undertook the direction of the College. On this occasion a considerable addition was made to the building erected by Archbishop O'Brien in 1903. The funds for this addition were raised by popular subscription. Reverend Brother P. J. Culhane, the present Provincial of the Congrega-

tion, was the first President under the new administration and the College owes much to his ability, prudence and energy.

An important event in the life of the College was the affiliation with the Nova Scotia Technical College which took place in 1916. Under this arrangement, duly matriculated students follow an Engineering Course of Three Years at Saint Mary's, the scope and extent of which is uniform with that followed by the different Colleges affiliated with the Nova Scotia Technical College. On the satisfactory completion of this course, the student may proceed to the Nova Scotia Technical College to take a further course of two years. At the end of this period he is eligible for admission to the degree of B.E. in Civil, Mechanical, Electrical or Mining Engineering. This affiliation has been very beneficial to Saint Mary's and a great number of our students have availed themselves of its advantages. The arrangement has worked out harmoniously and efficiently.

On December 6th, 1917 occurred the disastrous Halifax Explosion. Happily, none of the students in attendance at the time received any perious permanent injury, but the building like all others in the vicinity refered severely. Classes were suspended for the time being and the College was placed at the disposal of a United States Army Medical Corps which had come from Boston to minister to the victims of the dreadful catastrophe. When the immediate emergency had passed and the regular civil and military hospitals found themselves in a position to absorb the remaining patients at Saint Mary's, the College reverted once more to its original purposes.

Shortly afterwards, the Legislature again gave its recognition to the status of Saint Mary's College, when, on the 26th day of April 1918 passed a measure which bore the title: "An Act to Amend the Respecting Saint Mary's College, Halifax." The first clause this Act runs as follows: "Be it enacted by the Governor, Council assembly, as follows:—Saint Mary's College, Halifax, originally proporated by Chapter 39 of the Acts of 1841, shall continue to be a University, with all the necessary and usual powers and privileges exercised by Universities, including the power the proporate of the Acts, and in all the other faculties."

Since the passing of this Act the College has availed itself of the

conferred in Arts and Science and a Faculty of Commerce has been recently established. Year by year, the existence of the College is seen to be more and more justified in the number of young men who enter the Priesthood or the Religious State and in the much increased Catholic representation in the Medical, Legal and Engineering Professions.

Progress has been steady and continuous. Within recent years the staff has been considerably increased to meet the demands of a larger enrollment and of a broader syllabus. More classroom accommodation has been provided and the Science Laboratories fully equipped to meet all College requirements in Chemistry, Physics and Engineering while, at the same time, athletic and recreational facilities have been considerably improved.

The steady growth of the College is a source of encouragement and gives reason to believe that Saint Mary's will long continue to play an important part in the educational life of the Province, realizing the dream—or, shall we say, the vision—of the men who in the now distant days of 1841 "by great exertions and very large pecuniary contributions" made possible its foundation.

On the gracious invitation of His Excellency, 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.

COLLEGE ORGANIZATIONS

The following extra-curricular organizations, which aim at developing Christian leadership, are officially recognized by the College:

RELIGIOUS

- (a) The Saint Mary's College unit of the CANADIAN STUDENT MISSION CRUSADE SOCIETY: This society aims at the creation of an active and effective interest in Catholic Foreign Missions. Through its exertions, a considerable sum of money is distributed annually among different Foreign Mission Centres.
- (b) Sodality of the Immaculate Conception: The purpose of the Sodality is to develop Christian character under the protection of the Mother of Our Lord and to cultivate the lay apostolate. The College Sodality endeavours to obtain this two-fold purpose by conducting weekly meetings in the Chapel at which the Office of the Blessed Virgin is recited and instructions are given by the Director, and by organizing sections for the promotion of special activities.
- (c) THE SAINT JOHN BERCHMANN'S SOCIETY: Its main 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.

The activities of these societies are directed by their respective officers with the co-operation and guidance of a member of the staff.

GENERAL

- TAU-GAMMA-SIGMA SOCIETY: Is confined to students in Sophomore or higher years. Its activities are chiefly social and recreational. It also concerns itself with all matters pertaining to the advantage of the College and the Student Body generally.
- THE ENGINEERING SOCIETY: This society is open to all students in the Engineering Department. Its functions correspond, in general, to those of the Tau-Gamma-Sigma Society.

THE DELTA-LAMBDA-KAPPA SOCIETY: Students in the recently created Department of Commerce constitute the Delta-Lambda-Kappa Society. The general interests of the Students in Commerce and all the extra-curricular activities of the Department are controlled by the Executive of the Society.

THE CURRENT EVENTS CLUB: The aim of this club which is open to all students of the College is to keep the members well informed on all the more important events and movements of the day. At the meetings, which are held fortnightly, papers are read and discussed and informal debates and discussions take place.

THE PHI-PHI-SIGMA SOCIETY: Is an organization limited to Freshman Students.

Senior Debating Society: The membership of this Society is made up of the students in Sophomore, Junior and Senior College classes in all Departments. The meetings are held bi-weekly and the debates are in the Open Forum style. The activities of the Society include Society Debates, Inter-collegiate Debates, participation in Provincial and other Conventions of the Maritime Colleges and Universities, Radio debates, etc., etc.

Freshman Debating Society: Membership is open to all Freshmen.

Its activities are similar to those of the Senior Debating Society and meetings are held weekly.

SAINT MARY'S ATHLETIC ASSOCIATION: The Athletic Association regulates the various efforts in the arena of sport during the year. All games are under the direction of the Executive of the Association, prizes are arranged and provided, College Letters and other awards are regulated.

The Canadian Officers' Training Corps: A contingent of the Canadian Officers' Training Corps was established in 1942, enabling students to qualify for a Commission in the Army.

All students eighteen years of age and over must belong to this organization. Through an agreement between the Federation of Canadian Universities and the Department of National Defense Canadian University students are exempted from immediate call to the armed services, if they fulfill the prescribed military training for the year. This syllabus involves approximately twenty-five days of local training and fifteen days at

- Aldershot Camp at the end of the Academic year. This programme—part of the above agreement—will be strictly enforced.
- THE DRAMATIC SOCIETY AND GLEE CLUB: These organizations present several times a year various programmes under the direction of a a member of the Faculty.
- THE GRADUATE SOCIETY: The Graduate Society is composed of all who have received degrees from Saint Mary's College. It possesses, under circumstances determined by the Act of Incorporation of the College, the right of appointing a member to the Senate of the College. The Society meets annually and at such other times as circumstances may suggest.
- THE ALUMNI SOCIETY: All former students of Saint Mary's College are eligible for membership in the Alumni Society. The Annual General Meeting of the Society is held in October on a day appointed by the Executive. The Society holds social and recreational functions during the year and presents annually a Gold Medal for scholastic competition in the College.
- The Journal: A bi-monthly newspaper edited by the students.
- The Collegian: A pictorial review and record of the main events of the scholastic year under the direction and management of the students.

SCHOLARSHIPS

- K. OF C. SCHOLARSHIPS: Six Scholarships, covering tuition for four years, have been generously donated by the Knights of Columbus of Halifax.
- ALUMNI SCHOLARSHIP: Awarded annually by the Alumni Association to a student who has matriculated from a Catholic High School in the Archdiocese of Halifax. Applications should be forwarded to the Secretary of the Alumni Association, c/o St. Mary's College, Halifax, N. S.
- Saint Mary's College Scholarship: Offered annually to a student from Saint Patrick's High School who has obtained the highest average in Matriculation class.

There are several other scholarships open to worthy students who intend to study for the Priesthood.

CURRICULUM

Saint Mary's College provides:

- 1. An Arts Course leading to the degree of B.A.
 - 2. An Engineering Course of Three Years.
 - 3. A Science Course leading to the degree of B.Sc.
- 4. A Course in Commerce leading to the degree of B.Comm.
- 5. A Social Science Course covering admission requirements.
 - A Special Business Course of Two Years qualifying for a Business Diploma.

ARTS: The course in Arts is intended to lay the foundations of a broad and liberal education. It stresses, therefore, the literary and cultural branches and aims at the development of an interest in all that is best in life. It fosters an appreciation of what is sound in philosophy and beautiful in literature and seeks not merely to familiarize the student with the great facts and movements of history but to create interest in these movements and in the personalities identified with them. The formation of studious and literary habits is regarded as of more importance than the encyclopedic acquisition of facts, while accurate and thorough scholarship in a rather limited field is preferred to superficial acquaintance with many branches of knowledge. In this, as in all Courses, classes in religious and moral topics are essential requirements.

ENGINEERING: The following Universities and Colleges are affiliated with the Nova Scotia Technical College: Acadia University, Dalhousie University, King's College, Memorial University College, Mount Allison University, Saint Francis Xavier University, Saint Mary's College.

By the terms of this arrangement each of the affiliated Colleges is represented on the Board of Governors of the Nova Scotia Technical College and a uniform syllabus covering the first three years of the five year course in Engineering is followed by each. The Technical College offers professional courses in several departments of Engineering covering the last two years of the course.

Students from the affiliated Colleges are admitted to the Fourth Year Course at the Nova Scotia Technical College without examination, provided they furnish diplomas or certified statements from the Colleges they have attended showing that they have fulfilled all the necessary entrance requirements.

In cooperation with the Nova Scotia Technical College and other Colleges of the Maritime Provinces, St. Mary's conducts in September each year, a three weeks' Surveying Camp at Truro, N. .

Shopwork with machine tools is required by the Nova Scotia Technical College for junior students in electrical and mechanical college for junior students in electrical and mechanical expression. Instruction in this subject is given in a summer course three weeks in September immediately preceding the opening of regular college session. It is required that the students in those branches of engineering attend the shopwork course at the time period.

Industrial or engineering experience of a practical nature for a period of three to six months is required by the Nova Scotia Technical College before the granting of a degree. A portion of this period of activity in jobs associated with the branch of the period of the student is pursuing in college. Machine shop at the Technical College is not considered as equivalent to any of the period of practical experience required.

Science: The course in Science has been recently added to the colum. It is intended largely for Engineering Students who broaden their education and supplement their professional by further work in pure Science or literary subjects. Such may meet the requirements for the degree in one year after precion of their regular Engineering Course taken at St. Mary's.

This course is also open to non-Engineering students whose in the direction of Science or Mathematics.

Connerce: The Course in Commerce is intended for students the advantages of higher education but who look forward the advantages of higher education but who look forward and many of them correspond identically with the ordinary courses.

The degree of Bachelor of Commerce is conferred on the satisfactory completion of a course of four years study in this Department.

The Matriculation requirements for entrance are to be found

on page 19 of this Calendar.

Graduates in Arts who, in the third or fourth year of their course in Arts, have taken either Economics or Political Science or Commercial Law, as well as Accountancy 1 and 2, may obtain the degree of Bachelor of Commerce in one year after the completion of the Arts Course by satisfactorily taking the following courses in this Department: Accountancy 3 and 4, Auditing (Junior and Senior), One Course in Economics and One Course in Business English.

All candidates for a degree in Commerce are expected to perfect themselves in Typewriting and in the ordinary technique of business life. Facilities to this end will be afforded them.

Written examinations are held towards the close of each Term and the results are made known to the parents. These examinations determine the student's class standing for the year. Every student who is successful in a subject is credited with First Class Distinction, Second Class Distinction or Pass.

The training of the students in the art of public speaking is carefully attended to and weekly debates form an important part of the College Curriculum.

Due attention is paid to the physical development of the students and all are encouraged and expected to take part, according to their strength, in the outdoor games. Every facility is afforded for playing football, handball, basketball, hockey, baseball and tennis.

The College considers the formation and development of character, the religious and moral training of its students, of greater importance than anything else. Facilities are afforded for the frequentation of the Sacraments and the students receive regular instructions in the truths of Falth and the duties of Religion. Principles of good citizenship, the obligations of courtesy and the requirements of social usage are emphasized. It is hoped thus, in co-operation with the all-important factor of home influence, to mould and fashion educated and truly Christian gentlemen.

INFORMATION AND REGULATIONS

RESIDENT STUDENTS

As only a limited number of students can be admitted to the Colege as resident students, application should be made as early as to suitable houses in which they may obtain reasonable and totable accommodation.

Students who come any considerable time after the beginning of the term will not be admitted to courses.

Resident students must furnish certificates of health and conduct and satisfactory references. Diplomas of recognised schools will be accepted as evidence of standard.

Wherever it may be possible, resident students will be expected their Christmas and Easter Recess in their own homes or their friends. Owing to the reasonable rates of travel for students seasons the cost offers little or no hindrance. If, however, it brossible, students may remain at the College during the Christ-Recess at a charge of \$20.00, and during the Easter Recess at a \$10.00.

Parents of resident students may make arrangements to have and stationery supplied from the College Book Room at the prices. A deposit for this purpose should be left in Bursar's

All charges for resident students are payable in advance and no student will be retained in the College longer than the term such fees have not been paid in full.

Unless otherwise directed by parents, medical attention for resident will be supplied by the College Physician.

Fees for medical attention will be in addition to regular term

ACADEMIC REGULATIONS

A candidate must have the approval of the College authorities for any course selected, and having selected this course and obtained approval for it he may not subsequently change it without their sanction.

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

Candidates may, on the presentation of the necessary diplomas or certificates, receive recognition for equivalent work previously done elsewhere.

A course in Religion is an essential requirement in each year.

No candidate is eligible for prizes or distinctions in any subject in which he has, without satisfactory reason, failed to make ninety per cent of the total attendances in such subject. Candidates failing to make this attendance may also be debarred from writing examinations in such subject.

Every candidate for a degree shall in all respects satisfy and conform to the conditions, rules and regulations from time to time set forth in the College Calendar.

Admission Requirements

To enter the College as an undergraduate a candidate must have received credit for seven matriculation subjects. The seven subjects required for full matriculation are:

FOR B.A.

(1) English. (2) Latin. (3) Algebra. (4) Geometry. (5) French or German. (6) and (7) Any two of: History, Physics, Chemistry, Trigonometry, Botany or another foreign language.

FOR B.Sc.

(1) English. (2) French or German. (3) Algebra. (4) Geometry.

5) Latin. (6) Physics, Chemistry or Botany. (7) One of the followmout previously offered: History, Physics, Chemistry, Botany, Transmetry or another foreign language.

FOR ENGINEERING DIPLOMA

Candidates for the diploma in Engineering must matriculate in following subjects: English; French; Algebra; Geometry; Chemistry Physics; History.

Candidates with a Grade XII certificate from Nova Scotia may credited with the following subjects: Advanced Algebra, Plane Community, Plane Trigonometry, English I, French I or German II or II or Spanish I.

The entrance requirements for B.Comm. and for Business Training same as those for B.A. or for B.Sc.

Matriculation certificates of the First and Second Division of the Freshman Brunswick are accepted for admission to the Freshman

Cartificates of Junior Matriculation from the Board of Education

Secondland admit to the Freshman Class.

The sequence of the Courses in the tables on page 22 is subject

Students for a degree in Commerce or in Science must take a minimum of three years of English and are recommended to take four.

GENERAL FEES AND CHARGES

The School Year is divided into three terms:

First Term. September to Christmas.
Second Term. Christmas to Easter.
Third Term. Faster to Midsummer.

RESIDENT STUDENTS

BOARD

First Term\$10	00.00
Second Term	00.00
Third Term	50.00
Tuition	
First Term\$	25.00
Second Term.	25.00
Third Torm	25 00

LAUNDRY

Laundry for resident students will be charged at regular laundry rates.

NON-RESIDENT STUDENTS

TUITION

First Term\$	25.00
Second Term	25.00
Third Term	25.00

GENERAL CHARGES

A general charge of \$10.00 to be paid before the end of September each year covering the following charges for the year:

Examinations.

Library.

Athletics. Collegian and Journal.

A charge of \$2.00 is made for each Supplemental Examination,

A charge of \$1.00 for all statements under the College seal.

A charge of \$2.00 each term for Laboratory work in each science.

A charge of \$2.00 each term for the use of typewriters.

A charge of \$5.00 for Graduation, Diploma, etc., etc.

BURSAR'S REGULATIONS

- All fees are payable in advance—i.e. October 1st, January 15th;
 April 1st. Drafts, cheques, money orders, should be made
 payable at par to "St. Mary's College," and addressed to
 "The Bursar, St. Mary's College, Windsor St., Halifax, N. S."
- and their classes during the succeeding term.

COURSES OF STUDY

B.A.

FIRST YEAR	
English	
Philosophy	
French	
Mathematics	
Latin	

Economics

SECOND YEAR English Philosophy French History Latin Economics THIRD YEAR
English
Philosophy
French
History
Latin
Public Service
History of Philosophy

FOURTH YEAR
English
Philosophy
French
Latin
Sociology
Elective
History of Philosoph

B.Sc. with Engineering

SECOND YEAR English 2 Philosophy Descriptive Geometry Mathematics 2 and 3 Physics 2 Chemistry Surveying 1 THIRD YEAR
Mechanics
Graphical Statics
Mechanics of Machines
Mathematics 4
Physics 3
Engineering Drawing
Surveying 2 (with
Summer Surveying

FOURTH YEAR
Modern History
Science Subject
Mathematics 5
Materials of Construction
English
Geology
Chemistry 3

B.Comm.

FIRST YEAR
English
Philosophy
Modern Language
Mathematics
Economics
Accounting

SECOND YEAR
English
Philosophy
Modern Language
Commercial Law or
Political Science
Economics
Accounting

THIRD YEAR
Auditing
English 3 or 4
Elective
Political Science or
Commercial Law
Economics
Accounting

Camp) Chemistry 2

> FOURTH YEAR Auditing Modern History Elective Elective Economics Accounting

Diploma in Engineering

FIRST YEAR
English 1
Mathematics 1
Physics 1
Latin 1 or Modern
Language 1
Philosophy 1
Engineering
Drawing 1
Economics 1

SECOND YEAR
English
Mathematics 2 and 3
Chemistry 1
Descriptive Geometry
Materials of Construction
Engineering
Drawing 2
Surveying 1
Physics 2

THIRD YEAR
Physics 3
Mathematics 4
Mechanics
Graphical Statics
Chemistry 2
Mechanics of Machines
Surveying 2 (with Summer Surveying Camp)
Geology

N.B. For Business Training Courses, see Page 51. For suggested electives, see Page 52.

COURSES OF INSTRUCTION

ACCOUNTING

1

Ledger, Posting, Trial Balance; The Work Sheet and Statements; Cash, Purchases and Sales Journals; Columnar Journals; Notes and Drafts; Deferred Charges; Partnerships.

Texts: Twentieth Century Accounting Book I and Phinney's Principles.

2

Accounting: Controlling Accounts; Voucher System;
Bad Debts; Accruals; Corporation Reports; Manufacturing
Reports; Land and Buildings; Installment, Departmental,
Consignment Sales; Governmental Accounting.

Texts: Twentieth Century Accounting Book II and Phinney's Principles.

3

Valuation of Fixed and Current Assets and Liabilities; Problems.

Texts: Ferguson and Crocombe, Limited Companies and Their

Accounts. Intermediate Accounting Problems, Rittenhouse and Percy.

4

Accounting: Corporation Accounting; Secret Reserves; Bond Issues; Treasury Stock; Sinking Funds; Problems.

Texts: Ferguson and Crocombe, Limited Companies and Their Accounts. (Complete). Advanced Accounting Problems, Intenhouse and Percy.

5

ACCOUNTING: Elements of Cost Accounting; Connection of Cost Records with General Accounts; Leakage in factories; Branch Accounts; Goods invoiced at Cost, Intermediate and Selling Price; Chain Stores; Problems.

Texts: Cost Accounting Lawrence. (Prentice Hall). Problems Cost Accounting, Greer and Wilcox.

AUDITING

1

GENERAL PRINCIPLES OF AUDITING: Duties and Responsibilities of Auditors; Analysis of Accounts; Auditing Methods; Problems.

Texts: Smails on Auditing; Kohler & Pettengill on Auditing.

(McGaw-Hill). Income War Tax of Canada.

2

Advanced Auditing: Types of Audits, their advantages and limitations; Examination of Audit Reports. Problems.

Texts: Smails on Auditing; Problems in Auditing, Hanson. Nova Scotia Act; Public Utilities Act.

CHEMISTRY

1

General Inorganic Chemistry: As in Smith's College Chemistry revised by Kendall.

Lectures and Recitations: Three hours a week.

Laboratory Work: Two hours a week.

Text Book: A Laboratory Outline of Smith's College Chemistry.

2

Qualitative Analysis: Detection of not more than four acidic or three basic radicals in mixtures of salts.

Lectures: One hour a week.

Laboratory Work: Four hours a week.

Text: Noyes, Qualitative Analysis.

3

Theoretical Inorganic Chemistry: A lecture course dealing with presentday theories of atomic and molecular structure and the modern interpretation of the more important chemical phenomena.

Lectures: Three hours a week.

Texts: Getman-Daniels, Outlines of Theoretical Chemistry (J. Wiley& Sons); Creighton and Koehler, Electro-Chemistry, Vol. I (J. Wiley & Sons).

4

Organic Chemistry: Study of the chief Aliphatic and Aromatic Compounds, in particular of those of greater importance in industry or medicine.

Lectures: Three hours a week.

Laboratory Work: Three hours a week.

Text: Perkin and Kipping, Organic Chemistry (Lippincott Co.).

COMMERCIAL LAW

A GENERAL STUDY OF COMMERCIAL LAW: Negotiable instruments and their validity; contracts and terms of sale; legal liability in various business transactions; company formation and dissolution; bankruptcy; insurance; more important Canadian legislation affecting trade and commerce.

Text: Falconbridge and Smith, Manual of Canadian Business Law
Two hours each week.

DESCRIPTIVE GEOMETRY

Problems on Points, Lines and Planes; Single Curved Surfaces; Surfaces; Surfaces of Revolution; Development of Surfaces; Surfaces; Practical Applications.

Texts: Descriptive Geometry, Schumann. Descriptive Geome-

Four hours a week.

DRAUGHTING

1

The work of this course has been arranged so as to develop the student and to train him to visualize and reproduce objects by drawings. Special attention is given to lettering.

Texts: Engineering Drawing, French. Lessons in Lettering.

2

Injections, Working Drawings, Pictorial Representation, Developand Intersection of Surfaces, Topography and Preparation of Blue from Working Drawings of Actual Machinery.

Text: Engineering Drawing, French.

Four hours a week.

ECONOMICS

1

GENERAL PRINCIPLES OF ECONOMICS: Production and Distribution; Industrial Organization; Money; Credit; Banking; Free Trade and Protective Tariffs; Reciprocity; Socialism and the Single Tax; Economic Problems in connection with Wages, Profits, Taxation and Insurance.

Texts: Principles of Economics, Bye; Outlines of Economics, Ely.

Three hours each week.

2

International Trade: Trade under the Great Companies; Development of Modern Methods; The Classical Theory; The Equilibrium in Exchange; Balance of Payments; A View of World Trade; Raw Materials; International Commercial Policies.

Texts: Principles of International Trade, Sinclair: Griffin.

Texts: Principles of International Trade, Sinclair; Griffin. Foreign Trade; International Trade, Taussig.

Two hours each week.

3

CANADIAN PROBLEMS: National and Political Life; Economic Developments; Population and its Problems; The Growth of Industry and Commerce; Agriculture in the Economy of Canada; Cultural Life; Imperial and External Relations.

Texts: Canada, Prof. Brady; The Canada Year Book.

Three hours each week.

4

INVESTMENTS AND BANKING: Investment Principles and Analysis; Railroads; Public Utilities; Foreign Investments; Real Estate; Financial Investments.

> Loans and Discounts; Rates of Exchange; Central Banks; Comparison of British, Canadian and American Systems; International Banking Relations.

> Texts: Investments, Jordan; Principles of Investments, Badger and Guthmann. Banking, Bradford; Kilbourne, Principles of Banking.

Two hours each week.

Annuities; Bond Valuation; Amortization; Sinking Funds.

Index Numbers; Probability; Life Insurance.

Texts: Mathematics of Accounting, Curtis and Cooper. Statistical Methods, Philips.

Three hours each week.

6

Organization and Corporation Finance: Classification of Bus. Organizations; Single Proprietorships and Partnerships; Public and Private Corporations; Types of Management; The Corporation and its Financial Structure; Common Stock; Stocks with Preferences; Bonds; The Organization Methods; Marketing of Securities; Importance of Accounting.

Texts: Stockder, Business Ownership Organization; Haney on Corporations; Corporation Finance, Arthur Dewing.

7

Problems: Study of Social and Economic Organization in Modern Life; Employment Problems; Legislative Action in correcting Economic Abuses in Europe and Canada; Special Study of recent legislation in the United States; Organized Labour and its Programme; Plans for the improvement of the condition of the Labouring Class; Papal Encyclicals on the Labour Question; Profit-sharing and other remedial methods. Texts: Papal Encyclicals on Labour and the Condition of the Working Class; The Economics of Labor, Millis and Montagonery. Labor Economics and Labor Problems, Dale Yoder.

8

ECONOMIC HISTORY: Social and Economic Aspects of Colonization; The Westward Movement before the Revolution; Economic Causes of the Revolution; Finance and Tariffs; Economic Causes of the Civil War; Financial History since 1860; Economic Collapse of 1929.

Tests: American Economic History, Harold Underwood

Two hours each week.

EDUCATION

1

Principles of Elementary Education:

- (a) The Educational Process. The Art of Teaching. The Class-room and its Equipment. Management and Control.
- (b) Methods and Problems of Elementary Education.
- (c) Physical Culture and Health Education for Elementary School Teachers.

BOOKS RECOMMENDED:

Colegrove: The Teacher and the School (Charles Scribner's Sons).
Bagley: Classroom Management (The Macmillan Co.).
Shaw: School Hygiene (The Macmillan Co.).
Three hours a week.

2

Educational Psychology:

The Study of the Child. The Nervous System. The Brain. Sense Training. Training of the Imagination, Feelings and Emotions.

BOOKS RECOMMENDED:

Kelly: Educational Psychology (Bruce Publ. Co.). McCarthy: Training the Adolescent (Bruce Publ. Co.). Three hours a week.

3

Applied Pedagogy:

- (a) Pedagogical Principles applied to the teaching of Arithmetic, Reading and English in Elementary Schools.
- (b) High School Subjects.
- (c) The Teaching of Religion.
- (d) Use and Interpretation of Tests.

BOOKS RECOMMENDED:

Rapeer: Teaching Elementary School Subjects. (Charles Scribner's Sons). Shields: Teacher's Manual of Primary Methods. (Cath. Univ. Pedagog. Series).

McKee: Reading and Literature in the Elementary School. (Houghton Mifflin Co.).

Freeland, Adams and Hall: Teaching in the Intermediate Grades. (Houghton Mifflin Co.).

Sharp: Aims and Methods in Teaching Religion. (Benziger Brothers). Hines: A Guide to Educational Measurement. (Houghton Mifflin Co.).

Four hours a week.

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McKee: Reading and Literature in the Elementary School. (Houghton Mifflin Co.).

Freeland, Adams and Hall: Teaching in the Intermediate Grades. (Houghton Mifflin Co.).

Sharp: Aims and Methods in Teaching Religion. (Benziger Brothers). Hines: A Guide to Educational Measurement. (Houghton Mifflin Co.). Four hours a week.

Education:

The Nature of the Educative Process. Educational Aims.

BOOKS RECOMMENDED:

BOOKS RECOMMENDED:

Cath. Educ. Press).

Havre-Jordan: Philosophy and Education. (Benziger Bros.).

Two hours a week.

5

Education:

- Study of Ancient and Medieval Education.
- (b) Study of Modern Education.

BOOKS RECOMMENDED:

McCormick: History of Education, Ancient and Medieval. (Cath. Univ-Pedagog. Series).

Turner: Education in Ancient Times. (Cath. Univ. Pedagog. Series).

Monroe: A Text Book in the History of Education. (Houghton Mifflin).

Pace: Education in Modern Times. (Cath. Univ. Pedagog. Series).
Two hours a week.

6

Sociology:

- The application of the principles of Sociology to the school and out-of-school life of the pupil.
- The School, the Teacher and Society.

Ter Smith, Principles of Educational Sociology.
Two hours a week.

ENGLISH

1

- A Survey of English Literature to the death of Chaucer with special reference to Beowulf, Caedmon, Cynewulf, Bede, Alfred, Malory and the Medieval Romance, Wyclif, Gower, Langland, Sir Gawain and the Green Knight, Chaucer.
- Subespeare: Intensive study of Hamlet with written reports on Richard II and Richard III.

SM.C. Texts, Series I, No. 1.

Hamlet Verity Ed.

One semester, three hours a week.

- (a) Renaissance and Elizabethan Literature: More, Wyatt, Surrey, Sackville, Spenser, Sidney, Lyly, Lodge, Raleigh, Southwell, Daniel, Thomas Campion, North, Hakluyt, Holinshed.
- (b) English Drama to the death of Shakespeare.
- (c) Shakespeare: Intensive study of Macbeth with written reports on Henry IV, Parts I and II.

Texts: Palgrave: Golden Treasury (Macmillan).
S.M.C. Texts, Series I, No. 2.
Selections from Early English Drama (S.M.C.).
Macbeth Verity Ed.

One semester, three hours a week.

3

The Short Story: A study of Fiction as exemplified in the modern Short Story forms.

Text: Hart, Perry, Moffett: Representative Short Stories.

One semester, one hour a week.

4

Composition: Creative writing in both prose and verse to be assigned each week in connection with precepts examined in the classroom. Narrative, descriptive, expository, argumentative exercises. Book reports on recommended readings.

Two semesters, one hour a week.

5

(a) Seventeenth Century Prose: The development of English prose style as shown in the works of Bacon, Hooker, Cowley, Milton, Taylor, Burton, Browne, Bunyan, Pepys, Evelyn, Dryden.

- (b) Poetry of the Age of Milton: The non-dramatic poetry of Milton and his contemporaries, the Metaphysical School, the Cavaliers, and others, from Donne to Vaughan.
- (c) Composition: Critical and imitative essays in connection with the authors studied.

SED.

A 131 - 1+2

(d) Shakespeare: Intensive study of Othello, with written reports on Anthony and Cleopatra and Coriolanus.

Texts: Rhys: A Century of Essays.
S.M.C. Texts, Series II, Nos. 1, 2.
Palgrave: Golden Treasury (Macmillan).
Othello New Hudson Ed.

One semester, three hours a week.

6

- (a) Poetry of the Age of Dryden: A study of the lyric and satiric forms of Cotton, Waller, Traherne, Sedley, Sackville, Dillon, Oldham, Butler, Wilmot, and Dryden.
- (b) The Age of Pope: The Neo-Classical era in England, with analyses of the prose of Addison, Steele, Swift, Defoe, and of the poetry of Pope and Gay.
- (c) The Age of Johnson: The classicism of Johnson, Boswell, Goldsmith, Sheridan, Gibbon, Chesterfield, Burke; the romanticism of Thomson, Young, Gray, Chatterton, Cowper, Crabbe, and Burns. William Blake.
- d) Composition: Critical and imitative essays in connection with the authors studied.
- (e) Shakespeare: Intensive study of King Lear, with written reports on Cymbeline and The Winter's Tale.

Palgrave: Golden Treasury (Macmillan).

8.M.C. Texts, Series II, Nos. 3, 4, 5.

Rhys: A Century of Essays.

King Lear Verity Ed.

One semester, three hours a week.

- (a) The Age of Romanticism: A study of the work of the Lake Poets, of Byron, Shelley and Keats; in prose, of Lamb, Hazlitt, Hunt, De Quincey, Landor, Lockhart, Jeffrey, Sydney Smith.
- (b) Composition: Critical and imitative essays in connection with the authors studied.
- (c) Shakespeare: Intensive study of The Tempest, with written reports on A Midsummer Night's Dream and Twelfth Night.

Texts: Palgrave: Golden Treasury (Macmillan). Rhys: New Golden Treasury. S.M.C. Texts, Series III, No. 1. Rhys: A Century of Essays. The Tempest Verity Ed.

One semester, three hours a week.

8

- (a) The Victorian Era: Later Nineteenth Century literature studied in relations with the thought and social trends of the period; the prose of Macaulay, Newman, Ruskin, Carlyle, Arnold, Stevenson; the poetry of Tennyson, the Brownings, Arnold, the Pre-Raphaelites, Hopkins, Patmore.
- (b) Composition: Critical and imitative essays in connection with the authors studied.
- (c) Shakespeare: Intensive study of As You Like It, with written reports on Much Ado About Nothing and The Merry Wives.

Texts: Palgrave: Golden Treasury (Macmillan).
Rhys: New Golden Treasury.
S.M.C. Texts, Series III, No. 2.
Rhys: A Century of Essays.
As You Like It Verity Ed.

One semester, three hours a week.

0

Nineteenth Century Novelists: Scott, Jane Austen, Dickens, Thackeray, the Brontes, George Eliot, Trollope, Meredith, Hardy, Stevenson, Bennett, Henry James. Discussion and readings.

Two semesters, one hour a week.

Theory of Poetry: The basic elements of poetry: experience, feeling, imagery, rhythm, language. Technical elements: versification, stanza forms, melody. Illustrative reading and training in critical appreciation.

One semester, four hours a week.

11

because: Study and discussion of the plays of Shakespeare and the laterary canons which they exemplify. References to and evaluations of representative Shakespearean critics.

One semester, four hours a week.

12

fection, and the essay with special emphasis on the Catholic Revival.

One semester, four hours a week.

FRENCH

1

Pre-requisite Matriculation French Course.

A thorough review of the grammar supplemented by a course of translation from French into English and English into French, involving the harder syntactical constructions.

Drills in Dictation and Conversation.

Translations from modern authors into English.

Texts: The New Chardenal. Haxo, Intermediate French Reader. Four hours a week for two semesters.

2

Grammar Review emphasising verb forms and idiomatic expressions.

A part of each period will be devoted to French Conversation based upon Part I of Mann's Conversational French.

Debates will be conducted in this course as an extension of French Conversation. This will give the student the ability to address French audiences on subjects within the reach of Junior College groups.

A study of two selected classics, one for each semester.

Readings and conversations on material in "Figaro."

Three hours a week for two semesters.

3

A survey of French Literature including main trends, principal writers and a consideration of masterpieces.

French Conversation will be carried on for two semesters based upon Part II of Mann, Conversational French.

Three hours a week for two semesters.

4

A general survey of French Art, including Painting, Sculpture, Architecture and Music. The purpose of this survey is to acquaint the student with the extent and the characteristics of French Culture.

A Review of the entire Course of Conversation French: Mann.

Reading and study of: Vingtième Siècle—An Anthology: Michaud.

Study and Book Reports on at least six texts from Library Collection.

Three hours a week for two semesters.

La ciertive Course.

French I and II.

- French articulation, and ear training.
- **Sonversation**, the building up of vocabulary.
- melation into English, material based upon French selections and stories in the text.
- medical grasp of the use of the language for practical purposes.

Handbook of Everyday French, Brown.

Three hours a week for two semesters.

GEOLOGY

This course lays special emphasis on the application of geologic to problems of engineering. A brief synopsis of stratical and historical geology. A microscopic study of rocks with reference to forms of description and methods of classification assented by a standard set of fifty rocks.

Geology, Emmons, Thiel, Stauffer, Allison.

GERMAN

PRELIMINARY

and Translation from English: Vos, Essentials of German, to Lesson 26 inclusive.

L Teil. Three hours a week.

1

Tril; Stökl, Unter dem Christbaum; Thoma, LausbubenThree hours a week.

2

Ehrke, Guide to German Composition.

Wilhelm Tell; Ponten, Der Meister.

Three hours a week.

A course in German Reading with emphasis on scientific topics.

Texts: Lassar-Cohn, Die Chemie im täglichen Leben; Greenfield, Introduction to Chemical German; Greenfield, Technical and Scientific German.

Two hours a week.

GRAPHICAL STATICS

Equilibrium polygon and polygonal frames for all systems of loads; Graphical representations of shears and moments for non-continuous and continuous beams; Roof trusses; dead, live and wind load stresses for fixed ends and ends on rollers—Maximum stresses. Simple bridge trusses. Simple cantilevers.

Text: Graphical Statics, Fairman and Cutshall.

Two hours a week.

HISTORY

ANCIENT

- Historic Nations of the Orient. Egyptian, Sumerian, Babylonian, and Assyrian Kingdoms. The Hebrews. The Medes and Persians. Mycenæ.
- Greece. Early settlement. Forms of Government. Colonial settlements. History of Sparta and Athens. Persian War. Athenian Empire. Age of Pericles. Peloponnesian War. Rise of Thebes. Philip of Macedon. Alexander. Hellenistic Age. Contacts with Rome. Greek contribution to culture and civilization.
- Rome. Early legends. Wars with Sabines and Latins. Gauls in Italy. Samnite and Pyrrhic Wars. The great struggle with Carthage. Wars with Philip of Macedon and Antiochus. Perseus, The Gracchi. Jugurthine War. Marius, Cinna, Sulla. Mithridatic War. Pompey, Caesar Augustus. The Empire. The decline of Rome.

Reeve's Bible History; Vlachos, Hellas and Hellenism; Shucnkburgh, History of Rome; Davis, Readings in Ancient History; Plutarch's Lives.

Two hours a week.

MEDIEVAL HISTORY

to the Sixteenth Century. Conflict between Paganism and Christianity. Constantine. The Invasion of the Barbarians.

Byangelization of Europe. The Empire of Charlemagne and its disruption. Germany and the Conflicts between Empire and Papacy. Norman conquests of England and Sicily. History of these countries. Invasion of Ireland. France under the Capetians. The Hundred Years War, Feudalism, Chivalry, The Crusades. The Universities. Papacy at Avignon and Great Schism. Renaissance. Portuguese Exploration and Voyages of Columbus.

For General Study—Weber, Christian Era, Vol. I; Stephenson, Medieval History (Harper & Bros.); Collins, A History of Medieval Civilization (Ginn & Co.).

For Reference—Pastor, Lives of the Popes, Vols. I and II; Walsh, The Thirteenth the Greatest of Centuries; Walsh, The Century of Columbus; Belloc, The Crusades (Bruce Publishing Co.).

Two hours a week.

THE RENAISSANCE AND THE REFORMATION

- Remaissance: Background of the Renaissance in Italy. Petrarch and Dante. History of the Literature and Culture of the chief European nations in the fourteenth and fifteenth centuries. The great figures in the Renaissance and their achievements. The Humanists.
- Review of the religious conditions in Europe in the fifteenth century. Study of Luther. The course of the Reformation in the different countries of Europe during the inteenth century. The Counter-Reformation.

TEXTS: For general study—Lucas, The Renaissance and the Reformation (Harper & Brothers).

> For special reference—Cambridge Modern History, Vols. I. V; Pastor, Lives of the Popes, Vols. I and II; Janssen, History of the German People (Herder, St. Louis, Mo.).

> > Two hours a week.

MODERN HISTORY

Period 1500-1815. Empire of Charles V. The Reformation. England and France in the Sixteenth Century. The Thirty Years War. Richelieu. Age of Louis XIV, Literary Achievements, Wars, Social Conditions. Conflict of English and French Interests Seven Years War. Development of in America and India. Prussia. France immediately before the Revolution. Revolution in Action. The Leaders. Fall of Robespierre. Emergence of Napoleon. The Napoleonic Era.

TEXTS: Weber, Christian Era, Vol. II, Cambridge Modern History. The Thirty Years War; Hayes, Political and Social History of Modern Europe, Vol. I.

Two hours a week.

Period 1815 to Present Day: Congress of Vienna. The Age of Metternich. France from 1815 to the accession of Napoleon III. Industrial Revolution. The Victorian Age in England. Bismarck and his Policies. Franco-Prussian War. Germany under William II. Spain and Italy in the Nineteenth Century. The Partition of Africa. England from 1880 to 1914. The Great War. Post-War Europe. Europe of to-day.

Texts; Weber, Christian Era, Vol. II; Hayes, Political and Social

History of Europe, Vol. II.

For special periods: Belloc, Robespierre, Marie Antoinette; Holt and Chilton, European History 1862-1914; Bourne, The Revolutionary Period in Europe; Ludwig, Life of Bismarck; Cambridge Modern History, The French Revolution and Vol. XII, the Latest Age.

of intellectual and scientific culture in the great civilizations of the East and West. Astronomy and Medicine among the Ancients. Greek Thought and Philosophy. The history of Mathematics. Intellectual Activity in the Middle Ages. Alchemy and Chemistry. Modern Science.

Two hours a week.

7

CANADIAN HISTORY

Consider History: Exploration and Conquest. Hudson Bay Company. Struggle for Supremacy of France and England. Rebellion leading to Political Union. Durham Report.

Sentiment. The Movement towards Confederation. The Dritish North America Act. Nova Scotia and Confederation. Policies and achievements of distinguished Canadian States—

Canada and the Great War. The Statute of Westminster.

Works of Francis Parkman. Wrong and Langton, Chronicles

Canada Series. Wrong, History of Canada to 1783.

8

HISTORY OF THE UNITED STATES

the United States: A course dealing with the general history the United States with greater emphasis on the events of the last fifty years.

For general study—Muzzey-Krout, American History for Colleges (Ginn and Co.).

pecial sections—Muzzey, The United States of America, Vols. I and II.

Two hours a week

LATIN

This Course is divided into three sections: Latin Translation, Latin Composition and History of Latin Literature and Culture.

1

Prescribed Authors: Cicero, In Catilinam I, IV; Virgil, Aeneid, Book II; Horace, Ars Poetica; Livy, Book XXI.

Prose Composition based on prescribed authors and on Bradley Arnold, Exercises 1 to 34.

Roman Literature: Wilkins, Primer of Roman Literature and Antiquities.

Four hours a week.

2

Prescribed Authors: Cicero, Pro Archia, Pro Lege Manila; Horace, Odes and Epodes. Sallust, Bellum.

Prose Composition based on prescribed authors and on Bradley Arnold, Exercises 35 to 67.

Survey of Roman Literature from its Origin to its Golden Age inclusively.

Roman History: Tutorial History of Rome, Allcroft and Mason.

Four hours a week.

3

Prescribed Authors: Cicero, De Senectute; Horace, Satires and Epistles; Tacitus, Agricola.

Prose Composition based on prescribed Authors.

Literature: Latin Literature, MacKail.

Roman History: Tutorial History of Rome, Allcroft and Mason.
Four hours a week.

4

Prescribed Authors: Selections from the letters of Cicero, Pliny, Seneca,
Fronto. Latin Prose and Poetry (Harrington and Scott)
Selections from Latin Poets (Harvard University Press): Ennius,
Catullus, Tibullus, Ovid, Phaedrus, Seneca, Martial. Tacitus,
Annals, I, II.

Prose Composition based on prescribed Authors.

Lectures on Roman Private Life and Roman Government.
Four hours a week.

5

Ecclesiastical Latin: Prescribed Authors: Kuhnmuench, Early Christian
Latin Poets. Saint Thomas Aquinas, Contra Gentiles.

One hour a week.

MATERIALS OF CONSTRUCTION

A presentation of the physical properties of the common materials structures and machines, together with descriptions of their cture and fabrication. Testing Machines and Standard Tests.

Materials of Engineering, Moore.

One hour a week

MATHEMATICS

1

Graphs, Theory of Quadratic Equations, Maximum and Minimum Values of Simple Functions, Ratio, Proportion, Variation, Progressions, Simple Series, Permutations and Combinations, Binomial Theorem, Annuities, Determinants.

Crawford's Senior Algebra.

Plane and Solid Geometry.

Fall and Stevens: School Geometry, Parts V. and VI.

Plane Trigonometry including Identities, Equations, Exablishment of the Ordinary Formulae, Logarithms, Solution Triangles, Heights and Distances.

Borchardt and Perrott: New Trigonometry for Schools.

Murray: Spherical Trigonometry.

Five hours a week.

2

Coordinate Systems, Transformations, Loci and their Equations, the Straight Line, Circle, Parabola, Ellipse, Elementary Analytic Geometry of Three Dimensions.

New Analytic Geometry by Smith, Gale and Neeley.
Three hours a week, First term.

3

Calculus: Study of Infinitesimals, Limits, Limiting Values
Ratios, Differential Coefficient, Differentiation of Simple,
Complex and Transcendental Functions. Equations of Tangents
and Normals. Lengths of Subtangents and Subnormals.

Determination of Angles of Intersection of Curves. Problems
on Rates, Maxima and Minima.

Description and Integral Calculus by Granville, Smith and Longley.

Three hours a week. Second term.

Integral Calculus: Standard Methods of Integration. Use of Integration Formulae. Use of Integral Calculus in determining Areas, Volumes, Centroids, Moments of Inertia, Lengths of Curves and in the solution of other problems occurring in Mechanics and General Physics.

Spherical Trigonometry:

Three hours a week.

5

Differential Equations: A more advanced study of Differential Equations and their applications.

General Mathematics: Complex Quantities and their Graphical Representation, De Moivre's Theorem, Hyperbolic Functions, Expansion of Functions, Fourier's Series, Probability.

Texts: Murray, Differential Equations; Cohen, Differential Equations.

Mann, Practical Mathematics for Advanced Technical Students.

Three hours a week.

MECHANICS

1

Co-planar force systems, graphical and analytical methods, application to determination of stresses in common trusses and cranes, Friction, Determination of Centroids and Moments of Inertia. Rectilinear, Curvilinear and Rotational Motion of Particles and Solid Bodies. Work, Energy and Power. Impulse and Momentum.

Texts: Applied Mechanics, Poorman; Engineering Mechanics, Brown.

Three hours a week.

2

Motions and Velocities. Instantaneous Center. Kinematic Chain Velocity Diagrams. Cams, Gearing, Belting, Intermittent Motions. *Text*: Mechanism, Keown and Faires. Elements of Mechanism, Schwamb, Merrill, James,

Three hours a week.

PHILOSOPHY

1

comprises the customary treatment of Formal Logic with added emphasis on Inductive reasoning.

Three hours a week for one semester.

Cotter, Logic. Fillion.

Thinking; Crumley, Logic, Deductive and Inductive; Maritain, Introduction

scope of Philosophy and introduces him to the principal bubbens of knowledge; truth and error; certitude; criterion certitude.

Three hours a week for one semester.

Cotter, Epistemology. Fillion.

mended: Cunningham, Notes on Epistemology; Mahoney, Epistemology and the Mind.

2

demental Psychology: Beginning with an explanation of life basidered in general, the first part of this course is devoted to the study of questions concerning the existence in living beings wital principle; the divisions of life into vegetative, sensuous actional; the doctrines of evolution with added emphasis the Darwinian Theory.

Three hours a week for one semester.

Fordham University Notes.

Pyne, The Mind; Hill, Psychology; Barrett, The Creature,

Psychology: A continuation of Philosophy 2a embracing the study of the phenomena of rational life; the origin of selectual ideas; judgment and reasoning; attention and exception; rational appetancy, free will and determinism; arigin, nature and destiny of the human soul; the union of and body.

Three hours a week for one semester.

Furdham University Notes.

same as for Fundamental Psychology.

(a) Metaphysics: In this course are treated the notions of being, act and potency, essence and existence, substance and accident, relation and cause.

Texts: McCormick, General Metaphysics. Fillion. Books recommended: Rickaby, General Metaphysics.

(b) Cosmology: Beginning with the question of the origin of the material universe, this course deals with the laws that govern physical nature; the theories advanced to explain the constitution of inorganic bodies; the nature and properties of inorganic bodies.

Texts: McCormick, General Metaphysics. Fillion. Book recommended: McWilliams, Cosmology.

(c) Theodicy: This course deals with the existence of God, His nature and attributes; creation and Providence; Theism and Atheism.

Texts: McCormick, General Metaphysics. Fillion.

Books recommended: Joyce, Natural Theology; Boedder, Natural Theology;

Mercier.

Philosophy 3 extends over two semesters, three hours a week.

4

(a) General Ethics: In this course are treated the subjects belonging to general theory; the nature of the moral act, the distinction between moral good and moral evil, moral habits, natural and positive moral law, conscience, rights and duties.

Texts: Sullivan, General Ethics. Fillion.

Books recommended: Rickaby, Moral Philosophy; Cox, Liberty: It's Use and Abuse;
Cronin, Science of Ethics; Hill, General and Special Ethics; Gilson, Moral Values.

Three hours a week for one semester.

(b) Applied Ethics: The application of the general principles of Ethics to particular, individual and social rights and obligations the right to property, life honour; the rights and obligations of domestic Society; marriage and divorce; civil society, its nature and forms; the rights of civil property; Church and State; the Ethics of International Relations; peace and war.

Texts: Sullivan, Special Ethics. Fillion.

Books recommended: Cox, Liberty: It's Use and Abuse; Hill, Special Ethics;
Cronin, Science of Ethics; Glenn, Ethics.

- of Philosophy: (a) Ancient: In Greek Philosophy attention is directed primarily to the teachings of Socrates, Plato and Aristotle and to the systems of Stoicism and Epicureanism. Plotinus is taken as representative of the Alexandrian Movement, and Saint Augustine is studied as the most conspicuous example of the early Christian philosopher.
- Mediaeval: In the study of Mediaeval Philosophy attention is centred on the origin and development of Scholastic Philosophy and on the system of Saint Thomas as the most complete synthesis of Mediaeval thought.
 - Medern: Descartes, Locke, Hume, Kant, Hegel, Comte and Spencer are taken for special study. Among present day tendencies the revival of Scholasticism and the trend towards Realism are particularly noticed.

Turner, History of Philosophy.

Recommended: Glenn, History of Philosophy; Mercier, Origins of ConReychology; De Wulf, History of Mediaeval Philosophy.

PHYSICS

General Physics: A general course including Mechanics, Sound, Light and Heat, Magnetism and Electricity.

Lectures and Recitations-Three hours a week

Laboratory Work-Two hours a week.

Text: Stewart, College Physics.

Mechanics, Sound, Light and Heat: A more advanced course.

Lectures and Recitations-Three hours a week.

Laboratory Work-Two hours a week.

Text: Duncan and Starling, Sound, Light and Heat.
Reference Books: Randall and Gillon, Heat; Sabine, Acoustics; Hardy and Perrin, Principles of Optics.

Magnetism and Electricity: Advanced Course.

Lectures and Recitations-Three hours a week.

Laboratory Work-Three hours a week.

Texts: Timbie. Elements of Electricity: Lyon, Problems in Electrical Engineering.

Mechanics and Dynamics: Study of co-planar force systems; graphical and analytical methods applied to the determination of stresses and strains in common trusses and cranes. Friction, Determination of Centroids and Moments of Inertia. Rectilinear, Curvilinear and Rotational Motion of Particles and Solid Bodies. Work, Energy and Power. Impulse and Momentum.

Texts: Poorman, Applied Mechanics: Brown, Engineering Mechanics. See also Engineering Course.

Three hours a week.

POLITICAL SCIENCE

Study of Governments: Development of English Political Institutions. Working of Modern Institutions of English Government. Constitutional Development of British Commonwealth. Problems of Commonwealth Relations of various Dominions with special emphasis on Canada.

Three hours a week.

RELIGION

APOLOGETICS

1

This course corresponding to the Orientation Course provided in secular universities, is a survey of Catholic Doctrine and Practice. It outlines for the student, viewpoints, standards, bases, fundamentals which will be more fully developed as the courses in Religion, Philosophy, History, Science, and Literature proceed. The text sketches the purposes and objectives of the College Course and the high points dogmatic, moral, and devotional religion and philosophy.

Text: Religion and Leadership, by Daniel Lord, S.J.

2

This course provides the student with a systematic presentation Catholicism from the point of view of the Mystical Body as studied corporate worship. Aiming to impart a social outlook for Christians our present day civilization, it deals fully with Grace, the Church informed by Christ, the Mass and the Sacraments. Furthermore aims at introducing the student to the field of Liturgical Studies.

Text: Christian Life and Worship, by Gerald Ellard, S.J., Ph.D.

3

In this course modern objections against the Catholic Faith are ted, while such vital doctrines of the Faith as, the spirituality of coul, the existence of God, the divine character of the Scriptures, the divinity of Christ and the divine institution of the Church fully discussed. In addition certain outstanding moral problems for modern civilization are treated, such as Birth Control, Eugenics the like.

The Catholic Church and the Modern Mind, by Bakewell Morrison, S.T.D.

4

This course is complementary to Apologetics 3. It furnishes the proofs in such fundamental topics as Faith, the Trinity, Asceticism, the Redemption, Eternal Punishment and the Mother of God. The proofs are drawn from Revelation as disclosed in Scripture and Tradition. Each topic forms a section which may be called a treatise from theology.

Measurements of lines, angles and differences in elevation. Field practice in pacing, taping, surveying of areas, differential leveling.

Text: Surveying Vol. I. Breed and Hosmer.

Three hours a week.

SURVEYING

2

The field work will be carried out during the month of September. The course will consist of compass and transit surveying. Farm survey. Leveling, Profile, Grading. Triangulation. Topographical surveying with transit and stadia.

During the remainder of the year the student makes computations, scale drawings, topographical, profile and contour maps from the notes taken in the field. Lectures are given in city, topographical and subterranean surveying. Determination of azimuth, time and latitude. Simple curves.

Text: Surveying Vol. I. Breed and Hosmer.

Equivalent to four hours a week.

SUMMER SURVEYING CAMP

In association with the other affiliated colleges, a three weeks surveying camp for all students who have completed the second year of their course is held at Truro, N. S., in the month of September. Attendance at this course is a prerequisite for Surveying 2. Students in Civil and Mining Engineering are required to attend a second three weeks surveying camp at the conclusion of the third year of their course.

Students attending these camps are required to pay a fee of twentyfive dollars upon entering. They should bring with them drafting instruments, clothing suitable for field work, and two pairs of blankets.

Notification of intention to attend the camps should be sent in time to reach the Secretary of the Nova Scotia Technical College on or before August 15th.

COURSE IN BUSINESS TRAINING

This course is intended for students who have satisfied the matrice quirements but who do not look forward to a college degree to continue the student's education in such fundamentally branches as English—especially in its application to the ments of everyday life—Arithmetic, Modern History and World and to supplement these by such a course of studies as will life in the Business World.

The course extends over a period of two years and, on its success-

COURSES

FIRST YEAR

English I. See p. 29.

Commerce: Cudmore, Historic the World's Commerce.

Geography: Cornish, Geography: Grandians.

Pitman, Canadian Business

Three hours each week.

Touch System. Smith-Wright: Typewriting Tech-Theory and Practice.

Five hours a week.

Functional Method; Gregg.

Principles of Debit and books of original entry; consignments; profit and tements; balance-sheet.

Canadian Modern Ac

hours each week.

French I. See p. 34.

SECOND YEAR

English: English II. See p. 30.

History: Modern History. See p. 38

Economics: See p. 26.

Typewriting: Harned, Advanced Typewriting Text.

Five periods each week.

Accounting: Partnerships, changes in capitalization; introduction of Good-will; admission of a partner; dissolution; corporate organization accounting; analysis of expenditures; problems in accounting.

Text: Canadian Modern Accounting II.

Four hours each week.

Foreign Language: French II. See p. 34

SUGGESTED ELECTIVES

- EDUCATION: For Seniors in Arts or Commerce interested in Education, Boys' Clubs or Youth Activities.
- Sociology: For Seniors and Juniors in Arts, Science or Commerce.
- HISTORY OF THE UNITED STATES: For Sophomores, Juniors and Seniors in Arts, Science or Commerce.
- POLITICAL SCIENCE: Necessary for students who intend to take up Law. May be taken as elective by Seniors and Juniors in any Department.
- ECONOMICS: May be taken by Sophomores, Juniors and Seniors.
- French Conversation: A course specially designed to facilitate spoken French. May be taken by Juniors and Seniors in any Department.
- Geology: A compulsory subject for Engineers but elective for all other students of Junior and Senior standing.
- JOURNALISM AND EXPRESSIVE ENGLISH: A semester of expressive English useful for Arts and Commerce students but may be taken by Seniors in any Department. Use of typewriter required throughout the course.

ECCLESIASTICAL LATIN: For Senior Students in Arts.

Convocation Nineteen Forty-two

PROGRAMME

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Minister of Mines and Lab The Most Reverend J. T. McNally, D.D. Chancellor of Saint Mary's Colle God Save The King												
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MEDALLISTS

Highest General Aggregate for Four Years of
Arts
Gold Medal donated by His Excellency the Archbishop.

Highest General Aggregate for Three Years of
Engineering
Gold Medal donated by Hon. Angus L. Macdonald.

ARTS

- Highest Aggregate in Senior Year JOHN CAMPBELL
 Gold Medal donated by the Right Rev. A. R. Donahoe, Ph., J.C.D.
- Highest Aggregate in Junior Year ROBERT WALSH Gold Medal donated by the Right Rev. M. J. Cole, D.P.
- Highest Aggregate in Sophomore Year JOSEPH FULTZ
 Gold Medal donated by the Rev. C. F. Curran, D.D.
- Highest Aggregate in Freshman Year FRANCIS LABA Gold Medal donated by the Right Rev. Wm. Burns, V.G.

ENGINEERING

- Highest Aggregate in Senior Year . PHILIP VAUGHAN Gold Medal donated by the Hon. L. D. Currie.
- Highest Aggregate in Junior Year JOHN LYNCH
 Gold Medal donated by Mr. R. W. McColough.
- Highest Aggregate in Freshman Year . Delisle Inglis Gold Medal donated by Mr. Harvey W. L. Doane.

COMMERCE

- Highest Aggregate in Junior Year RONALD DUFFY Gold Medal donated by Mr. F. Reardon.
- Highest Aggregate in Sophomore Year DONALD CAMPBELL Gold Medal donated by the Rev. L. L. Graham, P.P.
- Highest Aggregate in Freshman Year THOMAS McDonald Gold Medal donated by Mr. W. A. Affleck.

BUSINESS TRAINING

- Highest Aggregate in Second Year BERNARD MULCAHY
 Gold Medal donated by Messrs. Henry Birks & Sons.
- Highest Aggregate in First Year ALEXANDER ALLEN Gold Medal donated by Mr. F. Reardon.

SPECIAL DISTINCTIONS

- God Medal donated by Right Rev. Wm. Burns, V.G.
 - Highest Four Year Aggregate WILLIAM DALTON Gold Medal donated by His Worship the Mayor.
 - Gold Medal donated by the Hon. Sir Joseph Chisholm.
- Gold Medal donated by the Rev. John Quinan, P.P.
 - Highest Three Year Aggregate
 - PHILIP VAUGHAN

 Medal donated by the Hon. Justice W. F. Carroll.
 - Gold Medal donated by the Hon. Harold Connolly.
 - Medal donated by the Hon. John A. Walker, K.C.
 - Bronze Medal donated by L'Alliance française.
- Highest marks in Sophomore
 - Gold Medal donated by Mrs. W. T. Beazley.
 - Gold Medal donated by Mr. B. A. O'Leary.
 - Medal donated by Dr. Cyril O'Brien, M.A.,D.Paed.
 - EDWARD COSGROVE
 Medal donated by the Rev. John E. Burns, Ph.D.
 - Dennis Award

 HAROLD GILLIS

 Medal donated by Senator Dennis to the student who, at the cost of

 many distributions and excrisice, has made the most conspicuous improvement during
 - Ignatius Rice Award EDWARD COSGROVE

 Medal donated by the Alumni Society to the student who has shown the

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- WILLIAM DALTON

 Medal donated by certain members of the Class of the late F. R. Faulkner

 who is prominent in college activities, impregnated with devotion

 bis Alma Mater, and the sincere friend of all men and things

GRADUATES, 1942

ARTS

✓ CAMPBELL, JOHN RODERICK

✓ DALTON, WILLIAM JOSEPH DUNNE, JAMES ALOYSIUS HALLISEY, JOSEPH BERNARD LABA, PAUL JOHN

McCarthy, Augustine Patrick

McPherson, Allan Malcolm O'NEILL, JAMES PATRICK

SCIENCE

Cosgrove, Edward Thomas Hoganson, George Howard

Mason, Douglas Frederick

COMMERCE

MARTIN, TERENCE WALTER

McNeil, James Patrick

ENGINEERING DIPLOMAS

CORBIN, TERRANCE LEWIS

✓ Dunsworth, Peter Joseph Dyer, Frederick Bernard GILLIS, HAROLD GEORGE GRIFFIN, KEVIN PATRICK

MADER, GORDON DOUGLAS MILLER, EDGAR

PURDY, HAROLD CHRISTIE TRUDEAU, JOSEPH GUY

VAUGHAN, JOSEPH PHILIP

BUSINESS TRAINING DIPLOMAS

MULCAHY, BERNARD EDWARD

PINEO, JAMES RUPERT