

CALENDAR
(ABRIDGED)

OF THE

UNIVERSITY

OF

KING'S COLLEGE,

(Founded A. D. 1789.)

(in association with Dalhousie University.)

HALIFAX, NOVA SCOTIA.

1925-1926.

137TH SESSION

PUBLISHED UNDER THE DIRECTION OF THE

BOARD OF GOVERNORS.

HALIFAX, N. S.,
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1925.

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1925-35

UNIVERSITY

COLLEGE

Founded A. D. 1828

to the highest and best interests of the State

HALTAK NOVA SCOTIA

Mar. 4, 1952

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UNIVERSITY ALMANAC, 1925-1926.

1925.

Aug.	24	M.	—Last day for receiving applications* for Supplementary Examinations.
Sept	19	S.	—Last day for receiving applications* for Matriculation (and Scholarship) Examinations.
	21	M.	—Registration (and Payment of Fees) begins in Arts and Science. Matriculation (and Scholarship) and Supplementary Arts and Science Examinations† begin.
	22	Tu.	—9.30—12.30 a. m., Latin; German.** —2.30—5.30 p. m., English.
	23	W.	—9.30—12.30 a. m., French; Greek.** —2.30—5.30 p. m., Physics.
	24	Th.	—9.30—12.30 a. m., Geometry. 2.30—5.30 p. m., Chemistry.
	25	F.	—9.30—12.30 a. m., Algebra. 2.30—5.30 p. m., Trigonometry; History.**
	26	S.	—12 Noon. Regular Registration†† Period for Students in Arts and Science ends. Results of Matriculation and Supplementary examinations declared.
	28	M.	—9 a. m., Lectures begin in Arts and Science.
	29	Tu.	—11 a. m., Meeting of Faculty of Arts and Science.
Oct.	3	S.	—12 Noon—Registration in Arts and Science ends.
	7	W.	—Intimation as to elective subjects to be made on or before this day in Arts and Science Faculty.
Nov.	9	M.	—Thanksgiving Day. No Lectures.
Dec.	14	M.	—Last day of lectures in classes wherein Christmas examinations are held.
	16	W.	—Christmas Examinations† begin.
	21	M.	—Last day of lectures.
	22	Tu.	—9 a. m., Christmas vacation begins.
1926.			
Jan.	4	M.	—9 a. m., Lectures resumed.
Apr.	1		—Last day for receiving theses for Master's degree.
Apr.	2	F.	—Good Friday, No Lectures.
	5	M.	—Last day for receiving Applications* for Spring Supplementary Examinations.
	19	M.	—Last day of Lectures.
	21	W.	—Spring Examinations† begin
May	6	Th.	—Encaenia Day.
	6	Th.	—11 a. m., Meeting of Faculty of Arts and Science.

*Fee must accompany application for examination.

**In case of conflict of examinations arrangements will be made for changes suitable to all candidates.

†For time table see Notice Board.

††Extra fee for late Registration \$2.00 per day.

UNIVERSITY OF KING'S COLLEGE.

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- Howard Murray, B. A. (Lond.), LL. D. (Tor.), *McLeod Professor of Classics and Head of Department*, 15 Spring Garden Rd.
- Murray Macneill, B. A. (Dal.), M. A. (Harv.), *Church of Scotland Professor of Mathematics*, 83 Inglis St.
- Howard Logan Bronson, B. A., Ph. D., (Yale), F. R. S. C., *George Munro Professor of Physics and Head of Department*, 366 Morris St.
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- Rene Gautheron, *Professor of French and Head of Department of Modern Languages*.
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- James Nelson Gowanloch, B. A., B. Sc. (Man.), *Associate Professor of Zoology*, Almeda Apartments.

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- Raymond Jackson Bean, M. S. (N. H.), *Associate Professor of Histology and Embryology*, Almeda Apartments.
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- Donald Sutherland McIntosh, B. A. (Dal.), M. Sc. (McGill.) *Assistant Professor of Geology*, 135 Henry St.
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- Ebenezer Walter Todd, B. A. (Dal.), *Instructor in Chemistry*, 6½ Walnut St.
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- Jotham Wilbur Logan, M. A. (Dal.), *Lecturer in Classics*, 279 Barrington St.
- James William Falconer, M. A. (Edin.), D. D. (Knox.), *Lecturer in Archaeology*, Francklyn St.
- Harry Arnold Kent, M. A. (Dal.), D. D. (Mont.), *Lecturer in Biblical Literature*, Francklyn St.
- W. B. Wallace, LL. B. (Dal.), *Judge of the County Court, Lecturer in Commercial Law*, 99 Oxford St.
- Emily Margaret Lowe, B. A. (Tor.), *Lecturer in English Composition*, Shirreff Hall.
- Harry Dean, *Lecturer in Music and Examiner in Theory of Music*, 98 Henry St.
- *Samuel Henry Prince, M. A., (Tor.), Ph. D., (Col.), *Lecturer in Economics and Sociology (King's)*, King's College.
- Margaret Frances McCurdy, B. Sc. (Dal.), *Laboratory Assistant in Chemistry*.
- Robert Cumming Robb, B. A. (Dal.), *Laboratory Assistant in Biology*.
- Margaret Elizabeth Mackay, B. A. (Dal.), *Laboratory Assistant in Histology and Embryology*.
- Luella Jean Tattrie, B. A. (Dal.), *Laboratory Assistant in Biology*.
- W. E. Stirling, *Physical Instructor*.
- Secretary of the Faculty, Professor E. W. Nichols.
- Registrar of the Faculty, Professor M. Macneill.
- Committee on Studies and Attendance { Professor Macneill, Chairman.
Professor McIntosh, Secretary.
Professors Wilson, Johnstone and Bennet.
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Professor Murray.

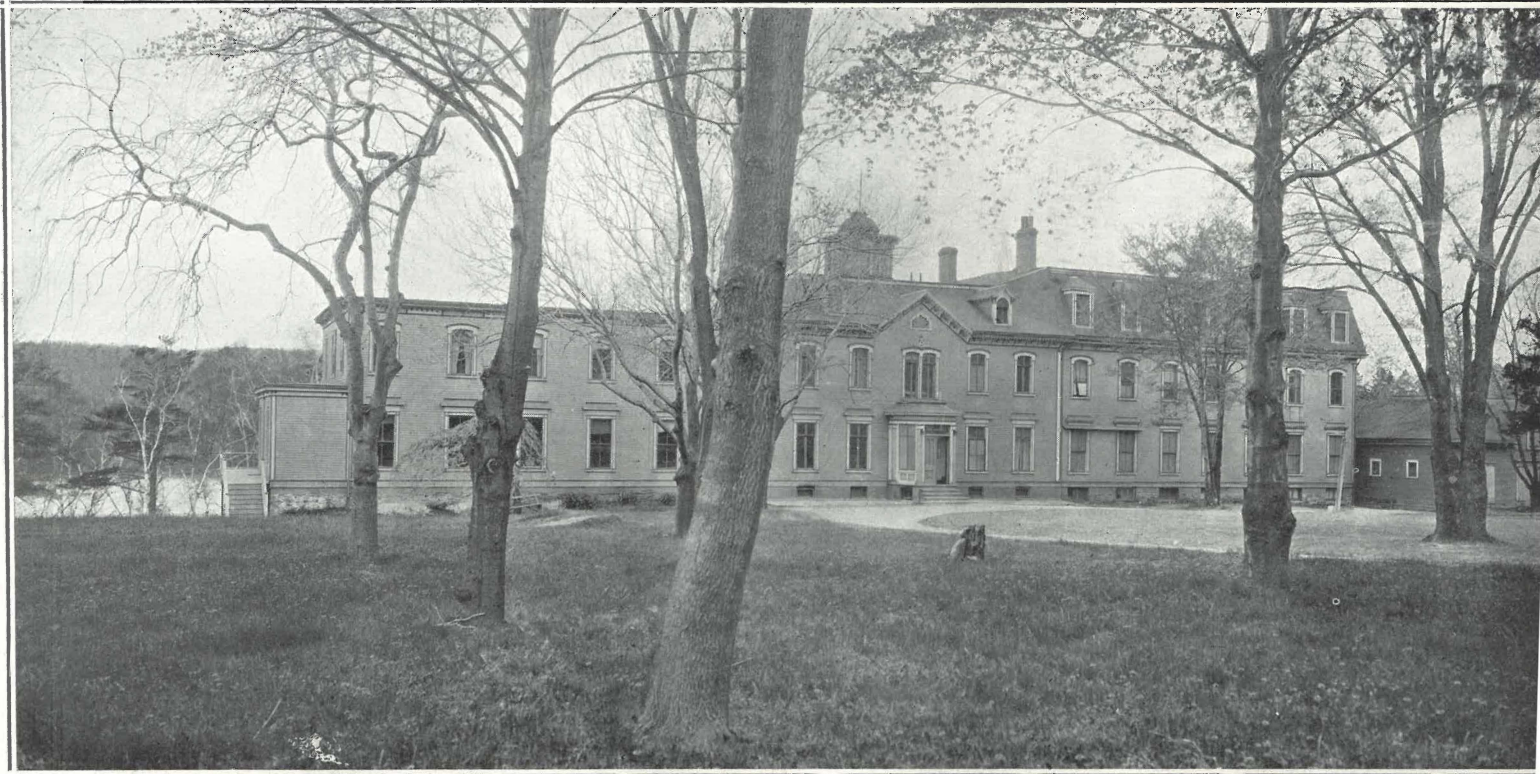
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Studies and { Professor McIntosh, *Secretary.*
Attendance { Professors Wilson, Johnstone and Bennet.
- Committee on { Professor MacMechan, *Chairman.*
Library { Professor Murray.



Residence—University of King's College.

University of King's College.

(In Association with Dalhousie University).

Historical Sketch.

King's College, established by Act of Legislature, in 1788, was founded at Windsor in 1790, and in 1802 a Royal Charter was granted by King George III in which the College is referred to as "the Mother of an University for the education and instruction of youth and students in Arts and Faculties to continue forever and to be called 'KING'S COLLEGE'." It was the first University established in what is now Canada. The first President of the College, Dr. William Cochran, came from King's College, New York, which afterwards changed its name to Columbia, and two other King's Colleges, one at Fredericton and the other at Toronto, were subsequently founded; but King's College, Nova Scotia, is the only one which has survived. It has passed through many vicissitudes during the 136 years of its existence, and amongst its Alumni are many famous men who have won honourable distinction in Church and State. The burning of the old College residence at Windsor, February 5th, 1920, raised afresh the scheme of University Federation for the Maritime Provinces, which had long found favor among the patrons of higher education; and a generous offer from the Carnegie Corporation to give a sufficient sum to provide for the Arts course, if the College would move to Halifax and erect buildings there, seemed to the Governors an opportunity which they ought not to let pass. A basis of association was agreed upon. The beautiful property on the North West Arm, known as "Birchdale", was leased from Dalhousie University as a temporary residence for students. A commodious chapel, where services are held every day, was fitted up in the basement underneath the large Dining Hall, and the internal life of the College has gone on, notwithstanding the removal from Windsor, on exactly the same lines as in former years.

The association has been found to work with complete harmony. Students of Dalhousie have the privilege of attending lectures in Arts by the King's professors, and students at King's have the privilege of attending the lectures of the professors of Dalhousie. This means that instead of a staff of ten there is a staff of forty or more to supply the requirements of students in Arts. Those students who enrol at King's enjoy the same facilities as those registered at Dalhousie; while they have at the same time the educative and humanizing influence of a residential College with the traditions of more than a century and a third behind it.

Undergraduates enrolled at King's previous to May 1923 may complete their course under the present regulations and take their degree at King's. Dalhousie University grants all degrees in Arts to students enrolling in future, the name of King's College appearing on the diploma where the student has been enrolled in King's.

King's College.

The outstanding feature of the changed conditions under the federation plan is the re-organization and enlargement of the staff. King's has given up the teaching of Laboratory subjects which, owing to their cost, are best conducted by Dalhousie University.

King's College, in its present situation, is within about five minutes walk of Dalhousie, but King's students taking the following subjects, Latin I, French I, Mathematics I, English I, and History I, receive their lectures at King's. In the higher years classes are taken at Dalhousie until King's can provide proper facilities. All students, King's or Dalhousie, take exactly the same curriculum in their respective courses and years; and must pass exactly the same examinations.

ORGANIZATION OF THE UNIVERSITY.

The Board of Governors is the supreme governing body of the University. As defined by the Acts of 1923, it consists of the Bishops of the Dioceses of Nova Scotia and Fredericton and the President of the University *ex officio*, together with ten members elected by the Alumni Association and eight by each of the Synods of Nova Scotia and Fredericton. The Governors have the management of the funds and property of the College; the power of appointment of the President, professors and officials, determining their duties and salaries, and the general oversight of the work of the University. It appoints an executive committee.

Convocation consists of the Chancellor, and graduates of certain standing in the various faculties of the University.

The Faculties of the University consist of the members of the teaching staff in the two domains of study, Arts and Science and Theology.

ADMISSION.

Women are admitted to classes on the same conditions as men.

No person under sixteen years of age is admitted to any class except by special permission.

Students are classified as Graduate Students, Undergraduates, Matriculants and Special Students.

Undergraduates are students who have completed Matriculation and are candidates for a Bachelor's degree.

Matriculants are students looking forward to a degree who have not completed Matriculation, but have sufficient subjects of Matriculation to their credit to enable them to have the classes which they may attend and pass recognized as qualifying for that degree. In the faculty of Arts and Science a Matriculant is one who has passed in English and in at least four other Matriculation subjects.

Special Students are those not included in one of the preceding groups. The classes attended by a Special Student are not recognized as qualifying for a degree.

Persons of good moral character may be admitted to certain classes as Special students without formal examination, provided they are deemed qualified by the Committee on Admission to profit by the work of the class or classes selected. A person seeking admission as a Special student, if under nineteen years of age, must submit evidence, such as a certificate from the school last attended, that he has a satisfactory knowledge of English and that his other requirements and habits of study are such as should qualify him to profit by the work of the class or classes he wishes to enter.

Matriculation of the Associated Universities.

All candidates for a degree must satisfy the requirements for Matriculation, either by passing the Matriculation examinations of Dalhousie University or by presenting certificates acceptable as equivalents.

The Matriculation examinations will be held at the University, and at such other places as the Senate may appoint, on Sept. 22nd to 25th, 1925. For the timetable of the examinations see the University Almanac.

No fee is charged for a matriculation examination in September until after the student's second year of attendance.

Candidates for the Matriculation examinations must make application on a form to be obtained from the University Office.

The last day for receiving applications for the examinations held at the University for the session of 1925-1926 is Saturday, Sept. 19th, 1925. Applications for examination at an outside centre should be made one month earlier.

The Matriculation examinations are held in the following subjects, one paper each;

English	Geometry	French
British History	Trigonometry	German.
Ancient History	Latin	Physics.
Algebra	Greek	Chemistry.

Subjects Required for each degree.

The subjects of matriculation common to all degrees are:

- (1) English.
- (2) History.
- (3) Algebra.
- (4) Geometry.

The remaining subjects are:

For the B. A. degree.

- (5) Physics or Chemistry (6) Latin or Greek (7) another foreign language, (8) an elective.

For the B. Sc.

- (5) Physics or Chemistry, (6) French, (7) German, (8) an elective.

For information respecting courses leading to degrees other than Arts, Science and Theology, apply to Registrar, Dalhousie University.

Requirements in each subject.

The requirements in each of the subjects specified above are as follows:

English.—*Language:* Grammar, analysis, parsing. *Composition:* An essay on one of several set subjects to be selected from—Macaulay: *Warren Hastings*, *Samuel Johnson*. Shakespeare: *Merchant of Venice*, *Julius Caesar*. Longfellow: *Evangeline*. Scott: *The Lady of the Lake*. Stevenson: *Kidnapped*.

Questions on the interpretation of a passage not specified, to test general intelligence.

Note—The essential part of this examination is the essay. Legible writing, correct spelling and punctuation will be considered indispensable. Skill shown in sentence and paragraph construction will be awarded high marks. Not more than two of the works named need be read. They should be read primarily for the story, and need not be studied minutely, as a choice is allowed among at least six themes selected from the works named.

British History.—General outlines, as in *Ontario High School History of England*; or Tout: *History of England, from the earliest times to the death of Queen Victoria*; or Ransome: *Short History of England*.

Ancient History.—General outlines, as in Webster: *Ancient History*; or Myers: *A short History of Ancient Times*.

Algebra.—Equations of the first and second degrees, indices, ratio and proportion, theory of quadratic equations, arithmetic and geometric progressions, permutations and combinations, as discussed in any high school algebra.

Geometry.—The straight line, triangles, quadrilaterals and pentagons in their relation to circles, including the subject matter of the first four books of Euclid, as discussed in any high school geometry.

Trigonometry.—Up to and including formulae relating to the sum and difference of two angles, the solution of equations and of right-angled triangles, as in any elementary trigonometry.

Latin.—The paper will contain, (1) passages for translation from prescribed books with questions arising out of those books; (2) easy passages for translation from books not prescribed; (3) questions on grammar, accidence and elementary syntax; (4) translation of easy sentences from English into Latin.

The books prescribed are: Caesar: *Gallic War*, Book I; and Vergil: *Aeneid*, Book I.

Greek.—As under Latin.

The book prescribed is Xenophon: *Anabasis*, Book I.

French.—*Ontario High School French Grammar*, to the end of Lesson LXXXIII; Berthon: *Specimens of Modern French Prose* (Macmillan) omitting IV, VI, IX, X. Easy sight translation from French into English and from English into French.

German.—*Joynes-Meissner's Grammar* to end of Lesson XLIV; Buchheim: *Modern German Reader, Part I*; grammar questions limited to accident and easy rules of syntax; easy sight translation from German into English and from English into German.

Chemistry.—Thermometer; barometer; gas laws, and correction of volumes of gases for changes of pressure and temperature; specific gravity. The following elements and their simplest compounds: oxygen, hydrogen, chlorine and the halogens, sulphur, nitrogen, phosphorus, carbon, silicon, the principal metals. Fundamental laws. Meaning of formulae and equations. The extent of knowledge expected is such as may be gained from Evans' "*Elementary Chemistry for High Schools*," or other text book of similar grade, accompanied by a laboratory course of not less than seventy hours. Each candidate for examination must present a record of his laboratory work, neatly and legibly written, and duly certified to be the candidate's work by the teacher with whom the work was done. (See below).

Physics.—The candidate should have received instruction consisting of at least ninety hours of recitation and sixty hours of laboratory work. Such text-books as *The Ontario High School Physics and Laboratory Manual*, Gage's *Introduction to Physical Science*, and Mann and Twiss' *Physics* will indicate the grade of instruction required. The candidate is expected to perform at least thirty experiments distributed over the various parts of the subject, and to keep in a note-book a neat and orderly record of the same, described in his own words. This note-book bearing the certification of the instructor, must be presented for inspection along with the certificate or diploma submitted. (See below).

For 1925-1926 the laboratory requirement in Chemistry and Physics will not be insisted upon.

Instead of the authors and books in languages given above, a candidate, if he so desires, may be examined on others recognized as equivalents but application for this privilege must be made at least two weeks in advance.

Candidates who pass in four or more subjects, but not in all, on any one occasion, will be given credit for such subjects: and may complete their Matriculation by passing the remaining subjects on any subsequent occasions.

Certificates Exempting from Examination.

Candidates who hold one or more of the following diplomas, licences or certificates will be exempted from the above examinations in such of the above subjects as were included in the examinations by which such diploma, licence or certificate was obtained, provided a sufficiently high standard was reached, and provided this standard was reached in four or more of the subjects required for Matriculation.

- (a) Certificates of Matriculation Examinations taken at recognized Universities;
- (b) High School Certificates of Grades XI or XII of Nova Scotia, and, in the case of History and Science, of Grade X.
- (c) Honour Diplomas, or Certificates entitling to a First Class Licence, as issued by Prince of Wales College, or a First Class Licence issued by the Education Department of Prince Edward Island;
- (d) Grammar School, or Superior (except in Latin), or First Class Licences of New Brunswick.
- (e) Equivalent Licences or Certificates issued by Education Departments of other Provinces;
- (f) Diplomas of the Associate Grade as issued by the Education Department of Newfoundland;
- (g) Certificates similar to the above issued by University or other official examining bodies, when found adequate.

If a candidate gets credit for at least four of the eight subjects of Matriculation, either at the Matriculation examinations or on a single certificate, he may complete Matriculation either by examination, or by certificate, or by both.

Candidates holding certificates which they wish to offer for exemption as above should forward them for appraisal as early as possible to the Bursar, King's College, Halifax, N. S.

Special Matriculation Regulations.

Faculty of Arts and Science—A certificate of grade XI standard (or of grade X for History and Science) issued by the Education Department of Nova Scotia is treated as follows: Marks obtained in other than Matriculation subjects are not considered. The mark in a Matriculation subject is not considered unless it is at least 50 per cent. Subject to these restrictions

the certificate will be accepted for the Matriculation subjects it covers in which the average of the marks obtained is at least 60 per cent., provided this average is reached in at least four subjects.

A minimum mark of 40 per cent. in a subject made in an examination for a certificate of grade XII standard will exempt from Matriculation in that subject. When such subject is divided in this certificate examination into two or more parts the average mark for such parts is taken as the mark to be considered.

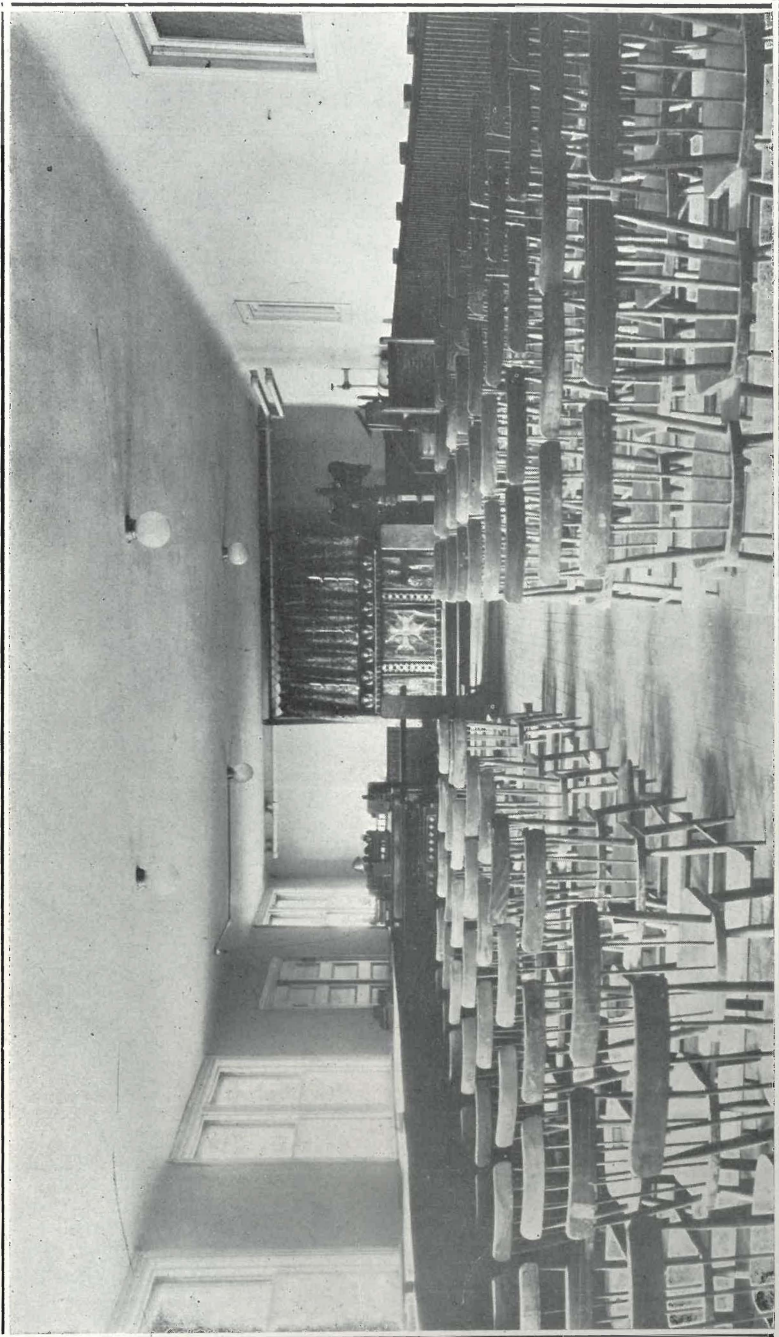
In order to be admitted to a course in the Faculty of Arts and Science, a candidate must have credit for Matriculation in English and in at least four other subjects.

Students are admitted to advanced standing in any other Faculty only in accordance with the regulations for admission *ad eundem statum* below.

Admission ad Eundem Statum.

Students from other Universities desiring to enter classes in this University may, on producing satisfactory certificates, be admitted *ad eundem statum* in this University, if they are found qualified to enter the classes proper to their years. But if their previous studies have not corresponded to those they would have taken in this University for the course on which they propose to enter, they may be required to take additional classes. In no case, however, shall a candidate admitted to advanced standing be admitted to a degree in course in this University unless he has attended and passed in at least one year's work, and that the last year of the course.

Persons seeking admission *ad eundem statum*, must, in making application, submit certificates of good character and standing, with duly certified statements of their Matriculation, and of the classes attended and passed, with the grades attained; also calendars of the institution from which they have come of such dates as to show the courses which they have followed.



College Chapel.

UNIVERSITY REGULATIONS.

Registration.

All students of the University are required to enter their names in the Register annually, agreeing to obey all the regulations of the University already made or to be made, and to pay the required fees and deposits before entering any class or taking any examination. After registration and payment of fees a student is given a certificate, on presentation of which to the professors and lecturers whose classes he is entitled to attend, his name is entered on the class register.

All students entering King's College, besides registering at Dalhousie, must also enrol at King's.

COLLEGE RESIDENCE.

The residential system, which is an important feature of College life, is modelled on that of Oxford, and brings together men of different temperament and training, to their great benefit.

Students are required to reside in the College buildings, but in special circumstances permission may be granted to reside outside. All students are under the immediate charge of the Dean of Residence, but must report to the President at the beginning of each term.

Students must provide their own blankets, sheets, pillowslips and towels.

Hours for Meals.—Every student is expected to be in his room after 11 p. m., and in bed before midnight; also to be in the Hall for breakfast not later than 8.15 a. m. on week days, and not later than 9.15 a. m. on Sundays.

Meals in Rooms.—No student can be furnished with breakfast or any other meal in his rooms, except by permission of the President and in such cases of illness as would render it imprudent that he should be present in the Hall, and no student is allowed to take crockery or cutlery from the dining hall or the pantry.

Intoxicants.—The introduction by or for any student of beer, wine, spirits, or any kind of intoxicating liquor in the College is strictly forbidden.

At gatherings of students, whether held in the College or elsewhere, intoxicating liquors are forbidden.

Chapel.—It is a condition of residence that students attend the services in the College Chapel, which are held morning and evening daily. Students belonging to other Communions are permitted to attend their own services on Sunday, but except in such cases all are expected to be at the Chapel service at the eleven o'clock service on Sunday, unless specially excused by the President.

Doors.—The doors are closed at 10.30 p. m. and all resident undergraduates are required to be in before that hour, but the President may, at his discretion, grant permission to students to be out till midnight. Permission to be out after midnight can only be granted by the College Board.

Guests.—No one who is not a resident student or a member of the staff may be in College after 11 p. m. except by permission of the President. Guests are expected to conform to the rules of the College and students will be held responsible for those whom they entertain.

Gowns.—Students are required to wear academic costume at meetings of Convocation, at all College lectures and examinations, in Chapel, at dinner in the Commons Hall, and at other occasions when so ordered. The academical habits shall be such as have been customarily worn in King's College in times past.

Behaviour.—Students are expected to preserve a quiet and orderly behaviour at all times in the halls and corridors of the College, especially during the hours of Lectures.

Hazing.—All forms of procedure, commonly called "hazing" are absolutely forbidden.

Expenses.—The charge to resident students for board and room is from \$250 to \$300, payable in two instalments, one at the beginning of each term.

No student whose accounts are unpaid after 30 days shall be allowed to remain in College, unless he has the written permission of the President or the Board of Governors.

Womens' Residence.

The residence for women students is conducted under practically the same regulations as the residence for men.

All residents are under the general superintendence of the Dean of Women.

Women students wishing to be out after evening chapel must notify the Dean and state where they are going. Permission must be obtained from the Dean to be out after 10 p. m. and a record will be kept of the hour of return of those who have received such permission.

Thursday evening from 8-10, and Sunday afternoon from 3.30 to 5.30 are the recognized times for receiving visitors.

Discipline.

The Board of Discipline may use all means deemed necessary for maintaining discipline. It is the duty of the Dean of Residence to see that order is maintained within the buildings and on the premises of the College. Every professor or officer of the College is required to report to the President or Dean cases of improper conduct that may come under his notice. Students conducting themselves in an unbecoming manner on or beyond the premises of the College during the session, may be fined, suspended, or expelled from the College.

Irregularity of attendance, except for approved reasons, or neglect of or unsatisfactory progress in studies shall be regarded as sufficient cause for dismissal from one or more classes, or, in extreme cases, from the University.

No return of fees will be made to any student dismissed from classes or from the University.

University Library.

The Library is open during the session on every week-day, except Saturday, from 9 a. m. till 5 p. m., and on Saturday till 1 p. m.

Books, other than those on the reserved lists, may be taken out by instructors or students and kept for two weeks. They must then be returned to the library.

Books on the reserved lists may be taken out immediately before the closing of the library on any day, and must be returned when it opens on the following day.

Not more than two books may be borrowed at one time by a student not in an Honour course, nor more than four by a student taking Honours.

Students are allowed the privilege of borrowing books from the library for the summer. Students using this privilege are required to make a deposit with the University office. This deposit is returned when the books are replaced in the library.

Caution Deposit.

Each resident student on enrolment is required to deposit ten dollars as caution money to cover damage done to furniture, etc. This amount, less deductions, if any, will be returned at the close of the session.

Laboratory Deposit.

A student taking a class involving laboratory work is required to make a deposit of two to five dollars, depending upon the class taken, on entering the class. This amount, or what remains of it after deducting any charges which may have been incurred for breakage or materials used, is returned to the student at the end of the session.

Fee for Support of Student Organization.

At the request of the student body, a fee not exceeding \$9.50 may be collected on enrolment from each student who takes more than one class. This fee entitles the student to the privileges of the various student organizations and clubs, and to a copy of the King's College Record.

CONFERRING OF DEGREES.

Successful candidates for degrees are required to appear at Convocation in the proper academic costume to have the degrees conferred upon them.

Graduates of the University shall be entitled to wear gowns and hoods of black stuff. The distinctive part of the costume is the lining of the hood, which for the various degrees is as follows:—

- B. A.—White silk bordered with white fur.
M. A.—Crimson Silk.

By special permission of the Senate degrees may be conferred, in exceptional cases, *in absentia*. Written application giving reasons for the request must be made well in advance to the Secretary of Senate.

SCHOLARSHIPS AND PRIZES.

(*Matriculation*).

Alumni Scholarship.

1. A scholarship of \$50 is offered by the Alumni Association to the matriculant of King's College School, Rothesay Collegiate School, or Edgehill, who enters with the highest standing and remains in residence one year.

Matriculation Scholarship.

2. A scholarship of \$50 has been offered by the Board of Governors of King's College to the highest matriculant from the Collegiate School, Windsor, Rothesay Collegiate School, Prince of Wales College, Charlottetown, and The Church School for Girls, entering King's College and remaining in the residence one year. This scholarship is to be competed for at the June matriculation and the amount will be deducted from fees of the winner.

The Daniel Hodgson Scholarship.

3. This scholarship, amounting to about \$75 per annum, is given alternately to the Universities of Laval and King's College, and is tenable for four years. Its object is to assist students in entering Holy Orders. Application shall be made and certificate of having passed matriculation shall be filed before July 15th.

Candidates for the scholarship must be under the age of 23 years. They must be natives of Prince Edward Island and residents therein for the space of one year at least before the time of their application for scholarship.

The holder of the scholarship at the end of each half year shall file certificates from the authorities of the College that he is taking a full Arts Course, that his moral conduct has been good and that his attention to his studies and his general conduct have been satisfactory. No portion of the scholarship will be paid without the presentation of said certificate.

(At End of First Year).

The Stevenson Scholarships.

Three, of \$80 each.

4. Founded by the **Rev. J. Stevenson, M. A.**, (sometime Professor of Mathematics), tenable for two years, and open to matriculated students in their second year of residence.

The examination for these scholarships is held in September. Candidates must select any five first year subjects, each having a value of 100, with a sixth allowed if candidates desire.

The marks of any paper shall not count in the total unless they are at least 50 per cent. of the maximum.

The McCawley Classical Scholarship.

5. Established as a testimonial to the **Rev. G. McCawley, D. D.** on his retirement from the office of President.

Open to matriculated undergraduates who have completed their first year of residence.

The Almon-Welsford Testimonial.

6. **William J. Almon, Esq., M. D.**, endowed King's College with \$400, the interest of which is appropriated as a prize to be competed for by the matriculated students in their first year of residence. The prize shall be presented by the President, in the College Hall, at the beginning of the next Academical year, and the successful candidate shall in a Latin oration, commemorate the gallant and loyal deeds of Major Welsford.

Moody Exhibition.

7. The "Catherine L. Moody" Exhibition of \$50 awarded to the student entering the second year preparing for Holy Orders, whose scholarship and exemplary conduct shall, in the opinion of the Faculty, merit it. To be held for two years.

(At End of Second Year).

Bishop Binney Prize.

(\$20.00).

8. This prize, which was founded by Mrs. Binney in memory of her husband, the late Bishop Binney, is given to the undergraduate who passes the best examination at the end of the second year.

(Third and Fourth Years.

Keating Trust Scholarship.

9. A Scholarship of the annual value of \$125.00, tenable for two years, to be awarded annually by the Board, on the recommendation of the College Board, to the student who shall have completed two full years in Arts work, and who during such course has passed satisfactory examinations in Physics and Chemistry, and who proceeds to the study of Divinity with a view to ordination for the ministry of the Church and work in the diocese of Nova Scotia.

The Crockett Greek Prize.

10. Founded in memory of the late **Rev. Stuart Crockett, D. C. L.**, by Mrs. Crockett, of New York. Awarded to the student securing first place in Greek of the Third or Fourth years.

The Wallace Greek Testament Prize.

11. Established by the late Canon **C. H. Wallace** of Bristol, England; in memory of his father, **Charles Hill Wallace**, barrister, of Lincoln's Inn, who graduated at King's College in 1823, and died in England in 1845. Subject 1925-26.—The Epistle to the Hebrews and the First Epistle of St. John.

The Harry Crawford Memorial Prize.

12. The **Harry Crawford Memorial** of \$25.00 annually, is offered by a friend in memory of **Harry Crawford** son of **Thomas H. and Elizabeth E. Crawford**, Hampstead, N. B., and a student of this College, who died true to his King and his Country, April 14th, 1915, while serving in the Canada Motor Cycle Corps.

The prize is awarded by the Faculty to the student taking the third year Arts course, whose character and scholarship average highest in his class. A student intending to pursue the divinity course will be given the preference.

The Henry D. deBlois English Prize.

13. The late **Rev. Henry D. deBlois, D. C. L.**, a graduate of King's College, left the sum of \$200 to the Governors of the College to establish a prize in English.

The interest of this sum is given annually as a prize to the student of the third or fourth year Arts presenting the best English essay during the academical year.

The McCawley Hebrew Prize.

14. £9 Sterling. Open to all members of the University who are below the standing of M. A., and who have not already gained the first premium in Hebrew.

This prize is given out of the interest of a Trust Fund, the gift of the **Rev. George McCawley, D. D.**, in the hands of the Society for the Propagation of the Gospel in Foreign Parts.

(General.)

The Governor General's Medal.

15. Given to the candidate who obtains the highest standing in the examinations for B. A. Degree.

King's College.**The Akins' Historical Prize.**

16. **T. B. Akins, Esq., D. C. L.,** Barrister-at-Law, and Commissioner of Public Records, vested in the Governors, as Trustees, a sum of money sufficient to found a prize of thirty dollars annually for the best Paper or Essay on the County History of Nova Scotia, embracing matters derived from all local records and traditions relating to the early and progressive history of each county. The Essays must be given in to the Secretary of the Governors, on or before the first day of April.

The Essays, when handed in, are the property of the College.

Subject: To be announced.

Haliburton Prize.

17. Given by the Haliburton Club, for the best essay on a selected subject. Essays should reach the President of the Club before Sept. 15th.

The Jackson Exhibition.
\$25.00.

18. Founded by the Rev. G. O. Cheese, M. A. (Oxon.,) in memory of his former tutor, the late T. W. Jackson, M. A., of Worcester College, Oxford. Awarded each year by vote of the Faculty.

The Binney Exhibition.

\$50 per Annum.

19. Founded in the year 1858, by Miss Binney, sister of the late Visitor, and daughter of the late Rev. Hibbert Binney, in memory of her father.

The design of this Scholarship is to assist students who may require assistance, and who shall have commended themselves by their exemplary conduct, although their abilities and acquirements may not qualify them to be successful competitors for an open Scholarship.

Dr. M. A. B. Smith's Prize.

20. Dr. Smith's Prize of \$20 is given for excellence in reading Scripture and the Liturgy of the Church.

R. V. Harris Prize.

21. Open to students of King's, Bishop's, and Trinity Universities for the best essay on a subject relating to the history of the Canadian Church, Value \$25.00. Essays to be handed in March 31 1926. Subject 1925-6: "The History of the Church of England in Canada 1710-1787."

The Rhodes Scholarship

22. This scholarship of the annual value of £300 for three years is awarded annually. For circulars and further information, Apply to Prof. J. E. Read, Secretary Committee of Selection.

Daughters of the Empire Bursary.

23. This bursary of the annual value of \$250.00, is tenable for four years at any university in Nova Scotia and is open to the sons and daughters of deceased or permanently disabled soldiers and sailors. One is available for each Province each year.

Full information can be obtained by writing to the Head Office of the Order for Canada, 238 Bloor Street East, Toronto, Ont.

Daughters of the Empire Post-Graduate Overseas Scholarship.

24. This scholarship was founded by the Imperial Order, Daughters of the Empire, as part of the war memorial of the Order. Nine are offered annually—one for each Province. They are of the value of \$1,400, are tenable for one year and have been founded "to enable students to carry on studies at any university in the United Kingdom, in British and Imperial history, the economics and government of the Empire and Dominion, or any subject vital to the interests of the Empire." For further information apply to the Head Office of the Order.

(*Divinity Scholarships*).

The Cogswell Scholarships.

25. Two of \$120 per annum each. Open to candidates for Holy Orders under the direction of the Trustees.

Regulations relating to these Scholarships may be had on application to the President.

Laurie Memorial Scholarship.

26. Three Scholarships of about \$120 each, founded in memory of Major Gen. Laurie, D. C. L., open to candidates for the Ministry, under the direction of the trustees. Particulars may be had from the President.

S. P. C. K. Studentships.

27. The Society for Promoting Christian Knowledge offers Studentships of about \$145 each, tenable for three years, to students, who, after taking a Divinity Course at King's College or some other approved College, promise to devote five years to pastoral work in the North West.

Divinity Grants.

28. Grants to aid students in Divinity who require assistance are made by the Archbishop of Nova Scotia, and by the Bishop of Fredericton. The holders of these must fulfil such conditions as the Bishop lays down, and in every case a personal interview must be had. For further particulars apply to the President.

STUDENTS' ORGANIZATIONS.

The Student Body.

The chief business of the Student Body is transacted by the Executive Council, composed of the Senior, the Treasurer and Secretary and a representative from each of the four classes. This Executive meets weekly and has general supervision over the funds of the students' societies, excepting those of the K. C. A. A. A.

The "King's College Record."

The **Record** (founded 1878) is published by the undergraduates of the College, monthly, during the Academic year.

The associate editors and the business manager of the **Record** are elected at the first meeting of Michaelmas Term.

The Quinctilian Society.

This is the College Debating Society and was founded in 1845. Meetings are held every Friday evening during the Academic year at 8 o'clock. There are no fees. All students are expected to join this society. It was owing to the initiative of this society that the Maritime Intercollegiate Debating League was established

The Haliburton.

This Society was founded and incorporated by Act of Legislature, 1884. Its object is the cultivation of a Canadian Literature and the collecting of Canadian books, manuscripts and of books bearing upon Canadian History and literature. Membership is open to all members of the College and residents in the city of Halifax. Any literary man may be elected an honorary member. Meetings are held every alternate Saturday at 8 p. m., the annual meeting in Encaenia Week.

The Students' Missionary Society.

This Society was founded in 1890. Its object is to promote interest in missionary work, and to further the missionary work of the Church, especially in the Maritime Provinces. Membership is open to all members of the College. The annual meeting is held on St. Andrew's Day, or as near to it as possible.

King's College Amateur Athletic Association.

The object of this association is the promotion of amateur sport of all kinds. Gymnasium classes are held regularly under the direction of a competent instructor. The K. C. A. A. A. is affiliated with the Maritime Provinces Amateur Athletic Association, and is governed according to the rules of that association. Membership is open to all members of the College. The Association has formed an Inter-Provincial College Hockey League.

King's College Co-eds' Association.

This club was organized in October 1913. It is open to all women graduates and undergraduates of King's College. The primary object is to extend the interests of King's College among women.

Societies connected with the College.

The Alumni of King's College.

This is a Society incorporated in 1847 by Act of the Legislature, consisting of graduates and others whose object is the furtherance of the welfare of the University. The annual fee for membership is \$2.00.

The annual meeting of the Society is held the day before Encaenia.

The present officers of the Society are:

Ven. Archdeacon Vroom, D. D., President.

Dr. M. A. B. Smith, Vice-President.

Rev. Noel Wilcox, M. A., Secretary.

W. L. Payzant, Esq., M. A., LL. B., Treasurer.

The Alexandra Society of King's College.

This Society, which has branches all over the Maritime Provinces, was formed in Halifax in 1902 as the Women's Auxiliary to the Alumni, its object to aid the Alumni in raising funds for the College.

King's University League.

A league of laymen open to all interested in the advancement of the interests of King's, the success of the present association with Dalhousie, and the project of higher education in the Maritime Provinces:

President—A. Handfield Whitman.

Vice-President—Major J. P. Edwards.

Treasurer—Geo. E. Mahon.

Secretary—R. L. Nixon.

Branches are being formed throughout the Province. Membership \$1.00

School of Divinity

FACULTY OF DIVINITY.

Fellow and Dean of Divinity (Dogmatics, Liturgics, Eccl. Polity and Church History).—Ven. F. W. Vroom, M. A., D. D., (Kgs.), D. C. L., (Lennoxville).

Alexandra Professor of Divinity (Hebrew, Greek Testament, Patristics).—Rev. T. H. Hunt, M. A., D. D., (Kgs.).

Lecturer in Apologetics and Comparative Religion.—Rev. S. H. Prince, M. A. (Tor.), Ph. D. (Columbia.)

Lecturer in Pastoral Theology and Homiletics.—Ven W. J. Armistage, M. A., (Tor.), Ph. D., (U. N. B.), D. D., (Wycliffe).

Lecturer in Church History.—Rev. A. Stanley Walker, M. A.

Lecturer in Religious Education.—Rev. R. A. Hiltz, M. A., D. C. L. (Kgs.).

Such persons as have been accepted by the Bishop of Nova Scotia, or another Bishop, may become students in Divinity under any of the following conditions:

Undergraduates in Arts who have matriculated in Greek and have taken Greek I in the Arts Course, may take Greek Testament of the first year of the Divinity Course, as part of the qualification for a degree, and Hebrew and English Church History are also recognized as degree subjects. The third and fourth years of the Divinity Course are taken after graduation in Arts.

Graduates in Arts who have not taken Divinity as a Degree option, are required to take three years of Divinity work, combining the work of the first and second years of the Divinity Course in their first year of residence, and subsequently taking the work of the third and fourth years in order.

Candidates not required by the Bishop to take an Arts Course may, after passing a qualifying examination, take the four years of the Divinity Course, filling in the first and second years with selected courses in Arts.

Candidates who pass the first year Arts examinations and complete the Divinity Course may receive the diploma L. S. T.

With consent of the Bishop concerned, and upon the recommendation of the Faculty of Divinity, the first two years of the Divinity Course may be taken in one.

Unless special instructions to the contrary have been received by the Faculty from the Bishop concerned, all Divinity students are required to attend the prescribed lectures of the Divinity course and such others as may, from time to time, be arranged, and to pass satisfactory examinations in all subjects. A report of each student will be sent to his Bishop at the end of each term, concerning examinations attendance at Chapel and general conduct.

The course of instruction qualifies candidates for the "Voluntary Preliminary" or First B. D. Examination of the Board of Examiners for Degrees in Divinity appointed under Canon X of the General Synod.

FIRST YEAR IN DIVINITY.

1. *Greek Testament*—(Two hours a week).
The Synoptic Gospels.
2. *English Bible*—(Two hours a week).
(See "Biblical Literature" in Courses of Instruction in Faculty of Arts.)
3. **Hebrew*—(Two hours a week).
(See Courses of Instruction in Faculty of Arts).
4. *Dogmatics*—(One hour a week).
Doctrine of God, The Trinity, The Incarnation.

SECOND YEAR IN DIVINITY.

1. *Greek Testament*—(Two hours a week).
Gospel of St. John, Acts.
2. *English Bible*.—(Two hours a week).
(See "Biblical Literature in Courses of Instruction in Faculty of Arts.).
3. *Hebrew*—(Two hours a week).
See "Courses of Instruction in Faculty of Arts.
4. *Dogmatics*—(One hour a week).
Sin, The Atonement, Holy Spirit, Inspiration, Grace.
5. *General Church History*—(Two hours a week).
The Christian Church of the first six centuries.
6. *English Church History* (two hours a week).
There are two courses given in alternate years. One, but not both, may be offered as an elective for a degree in Arts.
 - i. (1925-26). The British Church; Celtic and Roman Missions; the Church of England before the Conquest; Growth of the Papal Power.
 - ii. (1926-27). The New Learning and the English Reformation; Puritanism and Erastianism; The Methodist Revival; the Oxford Movement.

THIRD YEAR IN DIVINITY.

1. *Greek Testament*—(One hour a week).
Epistle to the Romans, the Pastoral Epistles.
2. *English Bible*—(One hour a week).
History of the Canon of the New Testament.

*Two years of Hebrew are required for the Divinity Testamur, but otherwise it is not compulsory.

3. *Hebrew*—(One hour a week).
Selected Psalms.
4. *Dogmatics*—(One hour a week).
The Church, the Ministry, the Sacraments.
5. *Church History*—(Two hours a week).
(See second year.)
6. *Liturgics*—(One hour a week). This is a two year's course, and is taken by the third and fourth year Divinity Classes together.
Early Christian worship; Primitive Liturgics; Later Liturgical Development; the Breviary; Sources of the English Prayer Book; History of the Book of Common Prayer; the Scottish American and Irish Canadian Prayer Books.
7. *Apologetics*—(One hour a week.)
Christian Theism; Evidences of Christianity; Anti-Theistic Theories; Butler's "Analogy." Comparative Religions.
8. *Homiletics*—(One hour a week).
Composition of Sermons, Theory and Practice of Preaching.
9. *Pastoral Theology*—(One hour a week).
The Pastoral Office and the Cure of Souls; Institutions and Duties of Rectors; Churchwardens and Vestries; Synods; Canonical Obedience; the Parish Priest in his private and public life; his studies, his devotions, Parochial Organization; Sunday School work; Parish Visiting; The Ministration of the Word and Sacraments
10. *Patristics*—(One hour a week).
Selected Treatises from Greek and Latin Fathers.

FOURTH YEAR IN DIVINITY.

1. *Greek Testament*—(One hour a week).
Selected Epistles.
2. *English Bible*—(One hour a week).
Old Testament Prophecy; Introduction to the different Prophetic Books and to the Books of the Hagiographa.
3. *Hebrew*—(One hour a week).
Selections from the Prophets.
4. *Dogmatics*—(One hour a week).
Creeds and Confessions of Faith, Eschatology.
5. *Church History*—(Two hours a week).
The Church of the Middle Ages; the Continental Reformation.

6. *Liturgics*—(One hour a week).
(See Third Year Course).
7. *Apologetics*—(Continuation of third year work).
8. *Pastoral Theology*—(As in third year).
9. *Homiletics*—(As in third year).
10. *Ecclesiastical Polity*—(One hour a week).
Hooker's Fifth Book with Sketch of the other Books.
11. *Patristics*—(One hour a week).
Selected Treatises from Greek Fathers.
12. *Moral Theology*—(One hour a week).
Christian Ethics.

Lectures on Religious Education are given every year by the Rev. Dr. Hiltz General Secretary of the Board of Religious Education, Hon. Lecturer in this subject. The course, which is spread over three years, consists of 36 lectures, and deals with the following subjects:—

(a) Introduction.

The historical development of the Sunday School and of organized Sunday School work in the Church of England in Canada; the place of the Sunday School in the Church's Educational System.

(b) Psychology of childhood and adolescence in relation to Religious Education.

(c) Principles of Teaching.

(d) Organization and Management of Religious Education

Each student in the L. S. T. course is required to pass the annual examinations in this subject, as well as to read an approved book on the subject each year and to submit a critical review of the same.

DEGREES IN DIVINITY.

The University of King's College having entered into an agreement with the other Church Universities and Theological Schools in Canada to adopt a uniform standard for Degrees in Divinity, all such Degrees are conferred now only by the University in accordance with Canon X of the General Synod of Canada. Particular information concerning the regulations for such Degrees may be had upon application to Archdeacon Vroom, Dean of Divinity, or to the President.

Faculty of Arts & Science

(Reprinted from Dalhousie University Calendar).

General University Regulations.†

University regulations applicable to the students of all Faculties and relating to registration, residence, church attendance, discipline, etc., will be found on p. 17, *et seq.*

Academic Year.

The Academic Year consists of one session of about thirty-two weeks duration. The session of 1925-26 will begin on Monday, September 21st, 1925, and end on Tuesday, May 11th, 1926.

Degrees and Courses.

Courses are prescribed leading to the degrees of Bachelor of Arts (B. A.), Master of Arts (M. A.), Bachelor of Science (B. Sc.), Master of Science (M. Sc.), Bachelor of Music (B. Mus.), Bachelor of Pharmacy (Phm. B.), and Bachelor of Commerce (B. Com.), and to the Diploma of Licentiate of Music (L. Mus.). A course in Engineering, extending over two or three years, is prescribed for students who look forward to subsequently completing a course in Civil, Mechanical, Electrical or Mining Engineering at the Nova Scotia Technical College, or other technical institution. A diploma is given for successful completion of this course.

The courses for the degrees of Bachelor of Arts and of Science extend over four years. Candidates for these degrees may either follow the corresponding Ordinary course, or, if they have obtained a sufficiently high standing in the work of the first two years, may in their third year enter upon a course leading to the degree of Bachelor of Arts or of Science with Honours.

†It is to be distinctly understood that the regulations regarding courses of study, examinations, fees, etc. contained in this Calendar are intended for the current year only, and that the Faculty does not hold itself bound to adhere absolutely to the curriculum and conditions now laid down.

The degree of Bachelor of Arts or of Science with Distinction is awarded to a student who obtains a sufficiently high standing in the classes of the Ordinary course.

The degree of Master of Arts or of Science is given for the successful completion of an approved course of graduate work extending over at least one year.

The course of study for the Diploma of Licentiate of Music extends over two years, and that for the degree of Bachelor of Music over three years.

The degree of Bachelor of Pharmacy is awarded for the successful completion of a course extending over four years.

Ordinary Course for Bachelor of Arts.

The Ordinary course of study prescribed for the degree of Bachelor of Arts consists of the following twenty classes.

- (i) Two classes in either Latin or Greek.
- (ii) Two classes in one, not already chosen, of the following languages: Latin, Greek, French, German, Spanish.
- (iii) Two classes in English.
- (iv) History 1, Philosophy 1, Mathematics 1 or 1 C.
- (v) One Class in either Physics or Chemistry.
- (vi) One class in Physics or Chemistry or Biology 1 or Geology 1.
- (vii) Latin 3 or Greek 3 or French 3 or German 3 or Economics 1 or Government 1.
- (viii) Eight other classes, selected from the following list, such that of the twenty offered for the degree at least four must be taken in one subject and at least three in each of two others.

Latin	Archaeology	Mechanics
Greek	History	Physics
Biblical Literature	Economics	Chemistry
French	Government	Geology
German	Philosophy	Biology
Spanish	Mathematics	Physiology
English	Music	

For details of subjects studied in the above classes see Courses of Instruction, 57, *et seq.*

Choice of Elective Classes.

Latin 1, Greek 1, French 1, German 1 and Spanish 1, are not recognized as part of a course for a degree unless the corresponding second class is subsequently taken.

An advanced or Honour class may be taken as an elective by students who are not in an Honour course, if approved by the Faculty.

Lists of the elective classes chosen by students must be submitted for approval not later than Wednesday, October 7th, 1925.

Affiliated Courses.

An undergraduate looking forward to the study of Divinity, Law, Medicine, Engineering or Commerce may offer one of the following groups in place of three of the eight electives required above:

A. For Divinity.—By an arrangement with the Presbyterian Theological College, Halifax, the classes in New Testament Greek and Hebrew conducted in that institution can be offered for the three electives referred to above by students intending to go forward to the study of Divinity there.

By an arrangement with King's College, Halifax, the class in New Testament Greek and two of the following three classes, Hebrew, Biblical Literature and Ecclesiastical History, conducted by the Divinity Faculty of that institution, can be offered for the three electives referred to above by students intending to go forward to the study of Divinity there.

B. For Law.—Any four classes of the First year in Law.

C. For Medicine.—Anatomy 1 and Practical Anatomy 1, Histology, Embryology.

D. For Engineering.—Drawing 1, Drawing 2, Mechanics 3, 4.

E. For Commerce.—Accounting 1, Accounting 2 or Commercial Law, Marketing, Business Organization.

Students whose course has included Physics 1, 20, Chemistry 1A, 2, 4, Biology 1A, and the subjects of Group C may complete a subsequent course in Medicine at this University in four years.

An undergraduate who elects group D, and also includes in his course the other classes common to it and the course in Engineering, and who takes Surveying, Drawing 3 and Mechanics 5 as extra classes, may complete the subsequent work for a degree in Engineering in two years.

Graduates who have passed in the classes of Group E, may complete a subsequent Commerce course in this University in two years.

Order of Classes.

The classes of a course may be taken in any order, subject to the regulations regarding admission to classes (page 50). The following schedule in which the classes are arranged in years shows the order recommended for undergraduates; *but students who intend to take one of the Affiliated Courses, or to enter an Honour Course, should consult the Registrar early in their course about the right order of classes for the purpose.*

First Year.

1. Latin 1, or Greek 1.
2. One, not already chosen, of Latin 1, Greek 1, French 1, German 1, Spanish 1.
3. English 1.
4. Mathematics 1 or 1C.
5. Chemistry 1, or History 1, or Physics 1 or 2.

Second Year.

1. The language chosen as class 1 in the first year.
2. The language chosen as class 2 in the first year.
3. English 2.
4. Philosophy 1, or History 1.
5. A class in one of the following: Mathematics, Physics, Chemistry, Economics, Government.

Third and Fourth Years.

The remaining required classes and elective classes from the subjects specified on page 29.

Ordinary Course for Bachelor of Science.

The Ordinary course of study prescribed for the degree of Bachelor of Science consists of the following twenty classes:

- (i) Two classes in English.
- (ii) One in each of the following: Mathematics (including Drawing 1B), Physics, Chemistry, Biology or Geology, French, German.
- (iii) Two classes selected from the departments of Languages; History, Economics, Government and Philosophy.
- (iv) Ten other classes, such that of the twenty offered for the degree at least four shall be taken in one Science (including Mathematics), at least three in another Science and at least three in Mathematics or English or a third Science.

Affiliated Courses.

An undergraduate looking forward to the study of Engineering may offer the classes of Group A below instead of four of the electives required from Group iv above.

A. For Engineering.—Drawing 2 and 3, Surveying, Mechanics 3, 4 and 5.

An undergraduate who elects group A and also includes in his Science course the other classes common to it and the course in Engineering, may complete the subsequent work for a degree in Engineering in two years.

An undergraduate looking forward to the study of Medicine may offer the subjects in Group B below for three of the electives in Group iv above:

B. For Medicine.—Anatomy 1 and Practical Anatomy 1, Histology, Embryology.

Students whose course has included Physics 1, 20, Chemistry 1, 2, 4, Biology 1A, and the subjects of Group B, may complete a subsequent course in Medicine at this University in four years.

Order of Classes.

The classes of a course may be taken in any order, subject to the regulations regarding Admission to Classes (page 50). The following schedule in which the classes are arranged in years shows the order recommended for undergraduates; *but students who intend to take one of the Affiliated Courses, or to enter an Honour Course, should consult the Registrar early in their course about the right order of classes for the purpose.*

First Year.

1. French 1.
2. German 1.
3. English 1.
4. Mathematics 1 (including Drawing 1B.)
5. Physics, or Chemistry 1.

Second Year.

1. English 2.
2. An elective.
- 3, 4, 5. Three Science classes.

Third and Fourth Years.

The remaining required classes and elective classes from the subjects specified.

Admission to Advanced Standing.

Students may enter the University on Advanced Standing, that is, be given credit for certain classes of the first year, and thus have the opportunity of completing a course for a degree in Arts or Science in three years, as follows:

A student entitled to Matriculant or Undergraduate standing in Arts or Science, who presents one of the certificates specified below, will be given credit, after completing a subsequent class in the same subject, or,

in the case of Mathematics 1, a Science class, for such classes in the following list, not exceeding five in number, as the certificate warrants:

Latin 1, Greek 1, French 1, German 1, English 1, Mathematics 1.

A candidate will be allowed Supplementary examinations in the subjects required to complete five classes, provided the certificate shows a mark of at least 30 per cent. in such subjects and the candidate has credit for the corresponding Matriculation subjects. No credit shall be given for certificates obtained subsequent to registration in the University for the first time. The certificates to which these provisions apply are the following:

- *(a) High School Certificate of Grade XII of Nova Scotia;
- (b) Honour Diploma, as issued by the Prince of Wales College, P. E. I.;
- (c) Grammar School Licence of New Brunswick;
- (d) Diploma of the Senior Associate Grade, as issued by the Education Department of Newfoundland;
- (e) Equivalent Certificates issued by Education Departments of other Provinces.

The above privilege of taking Supplementary examinations on certain subjects of the first year, granted to the holders of specified certificates, may be granted also to other candidates who in the opinion of the Committee on Admission have equivalent qualifications.

Degree of Bachelor with Distinction.

The degree of Bachelor of Arts or of Science with Distinction will be conferred on undergraduates for special excellence shown in the classes of the Ordinary course. The award of such degree is based upon the Class Distinctions (page 53) gained by candidates; and not only are the number and grade of such Distinctions considered, but also the extent and character of the work by which they have been gained. Distinctions gained in recognized classes of other Faculties of the University are taken into consideration, but not those gained in other colleges, though such classes may be recognized for the degree.

*The standard required is 50 per cent. in each subject. For Mathematics an aggregate of 150 is required in the three subjects of Algebra, Geometry and Trigonometry.

The total number of classes in which distinction may be attempted is eight, of which two may be taken in the second year and three in each of the third and fourth years.

Students taking more than 23 hours per week (lectures and laboratory) will not be admitted to read for distinction in any class.

No distinction work will be offered in Latin 1, Greek 1, French 1, German 1, Spanish 1, English 1, Chemistry 1, Physics 1, 2, Mathematics 1, 1C.

Candidates for Distinction are advised to consult the Registrar with respect to the selection of classes.

Degree of Bachelor with Honours.

An undergraduate who has passed in at least *nine* classes of the Ordinary Arts or Science course with sufficient credit is allowed to restrict his attention during his third and fourth years to a more limited range of subjects than that prescribed for the Ordinary course, by entering an Honour course.

A candidate for admission to an Honour Course must obtain the permission of the Faculty, which will in ordinary circumstances be granted only to students who have attained a high standing in the classes preliminary to the Honour course selected (see statement of Honour courses below); and the candidate should, accordingly, plan his course so as to take these preliminary classes during his first two years.

Before graduation he must have passed in the following classes: (a) Two in each of two foreign languages, of which, in Arts, Latin or Greek must be one. (b) Two in English. (c) One in Mathematics. (d) One in Physics or Chemistry.

In all cases the number of classes required for the degree shall not be less than twenty.

Honour courses are provided in the following departments: (i) Classics, (ii) Latin and English, (iii) Greek and English, (iv) English and English History, (v) History, and Economics or Politics, (vi) Philosophy, (vii) Mathematics, (viii) Physics, (ix) Chemistry, (x) Geology and Geological Chemistry. Undergraduates in Arts may enter any of these courses

for which they are eligible. Undergraduates in Science may enter any of the last five courses for which they are eligible.

An undergraduate who enters upon an Honour course in any of the above departments must take the advanced classes in the department chosen and certain other classes specified below in the requirements for the individual courses, and is required to make satisfactory progress in these classes. He may select the remaining classes of his course, if he is an undergraduate in Arts, from any of the subjects of the Ordinary course in Arts, and if an undergraduate in Science, from any of the subjects of the Ordinary course in Science, the choice in each case being subject to the approval of the Faculty.

The examinations in the subjects of an Honour course are held at the end of the last year of the course.

A candidate for Honours may defer his examination in the subjects of his course until a year after he has passed the examinations in the Ordinary subjects of the fourth year; in which case, however, such candidate shall not be entitled to his degree until he has passed the examination of such Honour course.

Successful candidates will be declared to have obtained their degrees with Honours, with High Honours, or with High Honours and a Medal.

Honour Courses.

I. Classics.

Preliminary Classes.—Latin 1 and 2, and Greek 1 and 2.

Candidates taking the Honour Course in Classics are required to take Latin 3, 4, 5 and 6 and Greek 3, 4, 5 and 6 in their third and fourth years, and sufficient elective classes to complete the total of twenty classes required for a degree. The special Honour examinations will be on the following subjects; but the standard of attainment shown in Latin 3 and 4 and Greek 3 and 4 will be considered in the final award.

Latin.

A. Candidates will be required to have a critical knowledge of the following works, in addition to those prescribed in the ordinary course:—

Plautus: *Captivi*, *Miles Gloriosus*. Terence: *Adelphi*, *Phormio*. Vergil: *Georgics*, I, IV. Horace: *Epistles*, I, II; *Ars Poetica*. Juvenal: *Satires*, I, VII, VIII, XIV. Cicero: *De Oratore*, I; *Philippics*, I, II; *Pro Cluentio*. Livy: XXI, XXII. Tacitus: *Annals*, I, II; *Agricola*. Pliny: *Letters*, Bks. I-III.

B. **Composition.**—Translation from English into Latin prose.

C. **Literature.**—A general knowledge of the history of Latin literature with a more minute knowledge of the lives and writings of the authors prescribed. (Mackail: *Latin Literature*. Cruttwell: *History of Roman Literature*).

D. **Translation at Sight.**—Passages from Latin books not prescribed will be set.

Greek.

A. Aeschylus: *Eumenides*, *Prometheus Vincetus*. Sophocles: *Ajax*, *Oedipus Rex*. Aristophanes: *Frogs*, *Knights*. Homer: *Odyssey*, V-VIII. Thucydides, II, III. Plato: *Republic*, I-IV. Demosthenes: *De Corona*. Aristotle: *Poetics*.

B. **Composition.**—Translation from English into Greek prose.

C. **Literature.**—A general knowledge of the history of Greek literature, with a more minute knowledge of the lives and writings of the authors prescribed. (Jebb: *Primer of Greek Literature*, *Introduction to Homer*. Mahaffy: *History of Greek Literature*. Haigh: *Athic Theatre*).

D. **Translation at sight.**—Passages from Greek books not prescribed will be set.

II. Latin and English.

Preliminary Classes.—Latin 1 and 2, and English 1 and 2. Prospective candidates are strongly recommended to take two classes in German.

Candidates taking the Honour Course in Latin and English are required to take Latin 3, 4, 5 and 6 and English 3, 4, 5, 6 and 7 in their third and fourth years, and sufficient elective classes to complete the total of twenty classes required for a degree. The special Honour examinations will be on the following subjects; but the standard of attainment shown in Latin 3 and 4 and English 3, 4 and 5 will be considered in the final award.

Latin.

The Latin prescribed for the Honour course in classics.

English.

The historical development of the language and literature to the year 1300. Bright: *Anglo-Saxon Reader*. Sievers: *O. E. Grammar* (trans. by Cook), Pt. II. Morris: *Specimens of Early English, I*. Emerson: *History of the English Language*. Sight reading of Old English.

History of the Elizabethan and Early Stuart Literature.—Sidney: *Apologie for Poetrie*. Hooker: *Ecclesiastical Polity*, Book I. Bacon: *Advancement of Learning, Essays*.

Marlowe: *Tamburlaine, Edward II, The Jew of Malta*. Greene: *Friar Bacon and Friar Bungay*. Jonson: *The Alchemist, Every Man in His Humour*. Beaumont and Fletcher: *Philaster, The Knight of the Burning Pestle*. Massinger: *A New Way to Pay Old Debts*. Webster: *The Duchess of Malfi*. Shakespeare: *Titus Andronicus, Romeo and Juliet, Julius Caesar, Hamlet, Othello, Lear, Macbeth, Antony and Cleopatra, Coriolanus, Timon, The Two Noble Kinsmen*.

Books recommended: Sidney, Cook's edition (Ginn & Co.); Hooker, Church (Clarendon Press). Bacon: *Advancement*, Wright (Clar. Press). *Essays*, Wright, (G. T. Series). History of Literature; Ten Brink, Saintsbury, Brooks (Clarendon Press). "Mermaid," "Temple Dramatist," "Belles Lettres," and Arber editions of Elizabethan works.

III. Greek and English.

For the requirements in this course read "Greek" for "Latin" in the above course.

IV. English and History.

Preliminary Classes.—English 1 and 2 and History 1. Prospective candidates must arrange to take these classes during their first two years if they desire to complete the work for a degree in four years.

Candidates taking the Honour Course in English and History are required to take English 3, 4, 5, 6 and 7, and History 2, 3, 4 and 5 and any special Honour class in History offered, in their third and fourth years, and sufficient elective classes to complete the total of twenty classes required for a degree. The special Honour examinations will be set on the following subjects; but the standard of attainment shown in English 3, 4 and 5 and History 2, 3, 4 and 5 will be considered in the final award.

English.

The English subjects prescribed for the Honour course in Latin and English.

History.

The History subjects prescribed for the Honour course in History, and Economics or Politics. (See below).

V. History and Economics or Politics.

Candidates desiring to take the Honour course in these departments and to complete the work for a degree in four years must take the preliminary classes in each department in their first two years. They are required to take a minimum of four additional courses in each department and any special Honour classes offered, in their third and fourth years; and in addition to the required classes they must have taken during their course sufficient elective classes to complete the total of twenty classes required for a degree. The special Honour examinations will be set on two groups of the following subjects; but the standard of attainment shown in the other classes taken in the two departments will be considered in the final award.

Preliminary Classes.—History 1, 2, Economics 1 or Government 1.

History.

A. **British History under the Tudors and Stuarts.**—Innes: *England under the Tudors*. Trevelyan: *England under the Stuarts*. Gardiner: *Oliver Cromwell*. Lodge: *Political History of England*. Prothero: *Statutes and Constitutional Documents*. Gardiner: *Constitutional Documents of the Puritan Revolution*.

B. **European History in the Sixteenth and Seventeenth Centuries.**—Johnston: *Europe in the Sixteenth Century*. Wake-man: *Ascendancy of France*. Kitchin: *History of France*. Sismondi: *Italian Republics*. Fletcher: *Gustavus Adolphus*. Gardiner: *Thirty Years War*. Lodge: *Richelieu*. Cambridge *Modern History*.

C. **The Crusades.**—Archer and Kingsford: *The Crusades*. Stevenson: *The Crusaders in the East*. Lane-Pool: *Saladin*. Archer: *The Crusade of Richard I*. Von Sybel: *History and Literature of the Crusaders*.

D. **History of Canada since 1763.**—*Canada and its Provinces* (selected portions). Bourinot: *Canada under British Rule*. Murray: *Canadian Constitutional Development*. Short and Dougherty: *Canadian Constitutional Documents*.

Economics.

A. **Problems of Production.**—Marshall: *Principles of Economics*. Jenks: *The Trust Problem*. MacGregor: *Industrial Combination*. Fay: *Cooperation at Home and Abroad*. Price: *Cooperation and Copartnership*. Shadwell: *Industrial Efficiency*. Jones: *Economic Crises*.

B. **Money and Banking.**—Marshall: *Money, Credit and Commerce*. Fisher: *The Purchasing Power of Money*. Hawtreys: *Currency and Credit*. Nicholson: *Money and Monetary Problems*. Walker: *Money*. Bagehot: *Lombard Street*. Conant: *Modern Banks of Issue*. Clare: *A. B. C. of the Foreign Exchanges*.

C. **Public Finance.**—Bastable: *Public Finance*. Seligman: *Essays in Taxation, The Income Tax*. Jones: *Nature and First Principles of Taxation*. Ashley: *Modern Tariff History*. Nicholson: *Principles of Political Economy*, Vol. III.

D. **Labour.**—Webb: *Industrial Democracy and Problems of Industry*. Hobhouse: *The Labour Movement*. Estey: *Syndicalism*. Cole: *The World of Labour*. Jevons: *The State in relation to Labour*.

Politics.

Four subjects from the following groups, but not more than two from any one group.

- A. 1. Greek Political Thought.
2. Political Thought of the Middle Ages.
3. Modern Philosophy of the State.
- B. 1. Government of England.
2. American Government.
3. Municipal Government.
- C. 1. Advanced International Law.
2. Great Congresses and Treaties from Westphalia to Versailles.
3. History and Practice of Diplomacy.

VI. Philosophy.

Preliminary Class.—Philosophy 1.

Candidates taking the Honour course in Philosophy are required to take Philosophy 2, 3, 4, 5, 6, 7 and 8 and any special Honour classes in Philosophy offered, in their third and fourth years, and sufficient elective classes to complete the total of twenty classes required for a degree. The special Honour examinations will be set on the following subjects; but the standard of

attainment shown in Philosophy 2, 3, 4, 5, 6, 7 and 8 will be considered in the final award.

A. **Logic.**—Welton: *Manual of Logic* (2 vols.). Mill: *System of Logic*. Joseph: *Introduction to Logic*. Bradley: *Principles of Logic*.

B. **Psychology.**—Klemm: *A History of Psychology*. Rand: *The Classical Psychologists*. Watson: *Behavior: An Introduction to Comparative Psychology; Psychology from the Standpoint of a Behaviorist*. MacDougall: *Body and Mind*. Ward: *Psychological Principles*.

C. **Metaphysics.**—Taylor: *Elements of Metaphysics*. Bradley: *Appearance and Reality*. Bergson: *Time and Free Will*.

D. **Ethics.**—Mackenzie: *Manual of Ethics*. Moore: *Principia Ethica*. Sidgwick: *Methods of Ethics*, and *History of Ethics*. Green: *Prolegomena to Ethics*. Rashdall: *Theory of Good and Evil*.

E. **History of Modern Philosophy.**—Locke: *Essay on the Human Understanding*, I, II, V. Berkeley: *Principles of Human Knowledge, New Theory of Vision, Dialogues between Hylas and Philonous*. Hume: *Inquiry into Human Nature*. Kant: *Critique of Pure Reason*, to the end of the Transcendental Dialectic.

F. **History of Greek Philosophy.**—Gomper: *Greek Thinkers*. Adam: *Religious Teachers of Greece*. Plato: *Republic*, I-III, V, VI, VII. Aristotle: *Ethics*, I-III, VII, X.

VII. Mathematics.

Preliminary Classes.—Mathematics 1, 2, 3 and 4, and Physics 1, or 2 and 3.

Undergraduates taking the Honour course in Mathematics are recommended to take German and Physics 1, or 2 and 3 in their first and second years. They are required, if they wish to complete the work for a degree in four years, to take in their third and fourth years four advanced classes in Mathematics, and four classes in Physics or Mathematical Physics approved by the department of Mathematics for that purpose.

The special Honour examinations will be set on the following subjects:

Pure Mathematics.

Any four of the following:

- (a) Infinitesimal Calculus; (b) Plane and Solid Analytic Geometry; (c) Differential Equations; (d) Algebra (Determinants, Theory of Equations, Quantics, Invariants, Series, Functions of a real variable); (e) Projective Geometry.

VIII. Physics.

Preliminary Classes.—Mathematics 1, 2, 3 and Physics 2 and 3.

Undergraduates taking the Honour course in Physics are recommended to take German, Physics 2 and Mathematics 1 and 2 in their first year and Physics 3, Chemistry 2 and Mathematics 3 in their second year. They are required, if they wish to complete the work for a degree in four years, to take in their third and fourth years at least eight classes in Physics, Mathematics, Mathematical Physics and Chemistry.

The Special Honour examinations will be set to test (1) the student's general knowledge of the more elementary parts of the subject, (2) his grasp of the more advanced parts of the subject which have been taken up in lectures and (3) his ability to make up some part of the subject without the aid of lectures.

IX. Chemistry.

Preliminary Classes.—Chemistry 1, 2 and 4, Physics 1, Mathematics 1, 2, 3. Two classes in German are recommended.

In order to complete this course in four years, it is necessary to take Mathematics 1, 2, 3, Physics 1, Chemistry 1, 2 and 4 in the first and second years; and Physics 4, 5 and 10, Chemistry 5, 6, 7, 8, and 9 or 10 in the third and fourth years.

Candidates for High Honours will be expected either to prepare a thesis embodying the results of a short original investigation, or to show special attainments in some branch of laboratory work, as special branches of analysis, or the preparation of organic compounds. The standard of attainment shown in Physics 4 and 5 (Distinction courses), Physics 10 and Chemistry 5, 6, 7, 8, and 9 or 10, will be considered in the final award.

The special Honour examinations will be set on the following subjects:

A. **Inorganic and Physical Chemistry.**—Mellor: *Modern Inorganic Chemistry*. Ostwald: *Principles of Inorganic Chemistry*. Walker's: *Introduction to Physical Chemistry*. Washburn: *Physical*

Chemistry. Selected portions of LeBlanc's *Text-book of Electro-Chemistry* and of *Text-books of Physical Chemistry*, edited by Sir William Ramsay. The requirements in Physical Chemistry are in large part covered by the class-work of Chemistry 6.

B. **Organic Chemistry.**—Holleman: *Organic Chemistry*. Cohen: *Organic Chemistry* (selected chapters). Porter: *The Carbon Compounds*.

C. **History of Chemical Theory.**—The development of chemical theory as treated in Chemistry 5 with the prescribed supplementary reading. Candidates are required to have a thorough knowledge of the following memoirs: Graham: *Researches on the Arseniates, Phosphates and Modifications of Phosphoric Acid* (Alembic Club Reprints, No. 10). Liebig and Woehler: *Ueber das Radikal der Benzoesäure* (Ostwald's *Klassiker*, No. 22). Liebig: *Ueber die Constitution der organischen Säuren* (Ostwald's *Klassiker*, No. 26).

D. **Laboratory Methods.**—The principles and methods of analysis and of the preparation of inorganic and organic substances, as in Chemistry 7, 8 and 10, including Distinction work.

X. Geology and Geological Chemistry.

Preliminary Classes.—Geology 1, Physics 1, Chemistry 1 and 2, and Biology 2 and 3, or 1A.

Prospective candidates are recommended to take German.

The special Honour examinations will be set on the following subjects:

(a) General Geology; (b) Mineralogy; (c) Petrography; (d) Economic Geology; (e) Geological Chemistry.

Master of Arts and Master of Science.

A candidate for the degree of Master of Arts or Master of Science must hold the corresponding Bachelor's degree from a College or University recognized by the Senate for the purpose, and have held it for at least one year, and be of good character and standing. The course of study for the degree shall be confined to one subject or two closely related subjects, and must be submitted to, and receive in advance the approval of the Faculty of Arts and Science. The course shall consist of work in advance of that given in the ordinary undergraduate classes; but some of the more advanced undergraduate classes may be a part of it, provided these

have not been part of the work of the candidate for the Bachelor's degree. At least three undergraduate classes must already have been taken in the main subject offered and distinction must have been obtained in the last two classes so taken. The course shall comprise work amounting to not less than that of five classes, and designed to occupy the candidate's time for not less than forty hours per week for a session; class attendance and time spent on preparation being included. The work may be done wholly or in part by private reading by graduates of Dalhousie University, for whom attendance at the University is not necessary; all other candidates must be in residence. When work done extra-murally is offered for the degree two years must have elapsed, after approval of the candidate's application, before the examinations for the Master's degree can be taken. In announcing the award it shall be stated whether the course was taken in residence or extra-murally.

The course of study for the Master's degree shall be arranged for each candidate by the department chiefly concerned, due consideration being taken of the candidate's preparation, needs and aims. In case of deficient preparation for what the department regards as proper graduate work, prerequisite undergraduate classes may be prescribed, but such classes shall not count as part of the work for the degree.

An essay or thesis may be required of the candidate. When required, it shall be regarded as forming one-fifth of the full course of study and should occupy one fifth of the candidate's time for the session. This restriction, however, shall not apply to the departments of Physical Science. Theses must be sent to the Secretary of the Faculty on or before the first of March.

An undergraduate who, at the beginning of a session, has fewer than five classes to complete in order to obtain the Bachelor's degree, may be permitted, with the approval of the Faculty, to take not more than two advanced classes with a view to including such class or classes in a subsequent course for the Master's degree.

A candidate for a Master's degree must complete the entire work of his course before being admitted to

any examinations for the degree, and the time over which such examinations may extend shall not exceed a fortnight. A student failing in any one of the examinations is required to repeat all examinations. The pass mark shall be fifty per cent. in each subject. Examinations shall be held ordinarily at the time of the Spring examinations; but in special circumstances, they may be held in the Autumn. **Candidates must give one month's notice to the Secretary of the Faculty of their intention to appear for examination, and the fee must accompany the notice.**

Uniform Course for all Branches of Engineering.

This course is intended for students who look forward to taking a degree in Civil, Electrical, Mechanical or Mining Engineering. It covers the first two years of a course for such a degree, and corresponds to the requirements prescribed for admission to the courses for a degree in Engineering in the Nova Scotia Technical College, or to entrance into the third year of other engineering institutions. A Diploma is given for successful completion of the course.

The minimum work of the course is so arranged that it can be covered in two years, but students are advised (unless they already have grade XII standing in English, Algebra, Geometry and Trigonometry) that it is preferable that they should give three years to the course, taking extra classes in English, Geology and Chemistry, and thus lay a better foundation for an engineering career.

The minimum necessary and essential preliminary requirements in order to enter upon the course in Engineering are: Matriculation in (a) English, (b) Algebra (c) Geometry, and (d) Physics or Chemistry; but before a student will be admitted to the Nova Scotia Technical College, or third year of any other institution in which he is to take the final two years of his course, or be eligible for the diploma referred to above, he must have matriculation in (e) History and Geography, (f) French or German, and (g) Latin. French 1 or German 1 (or 50 per cent. in the corresponding grade XII examination) may be substituted for matriculation Latin.

First Year.—English 1, Mathematics 1 and 2, Physics 2, Chemistry 1A, Drawing 1 and 2, Shopwork.

The course in Shopwork, of about three weeks, duration, immediately preceding the regular session, is given by the N. S. Technical College in its own workshop.

Second Year.—Mathematics 3 and 4, Physics 3, Mechanics 2, 3, and 5, Surveying, Drawing 3.

The Surveying Camp conducted under the auspices of the N. S. Technical College on the grounds of the Agricultural College, Truro, must be attended by all students taking the class in Surveying.

For details of the work in the classes see the Calendar.

The schedules of courses for students who enter with grade XII standing in English and Mathematics, and for those with grade XI standing who are willing to give three years to the course may be had on application.

Course for Bachelor of Commerce.

The course of study prescribed for the degree of Bachelor of Commerce may be completed in four years, and consists of the following classes:

First Year.—French 1 or German 1 or Spanish 1, English 1, Mathematics 1C, Economics 1, Economic Geography, Accounting 1.

Second Year.—French 2 or German 2 or Spanish 2, English 2, History 1, Accounting 2, Biology 1 or Chemistry 1 or Physics 1, Marketing and Distribution.

Third and Fourth Years.—Philosophy 1, French 10 or German 10 or Spanish 10, Business Organization, Economics 2, Commercial Law, Business Correspondence, Money and Banking, Labor and Trust Problems, Corporation Finance and Investment, three other classes in Commerce, thesis or supervised work at the discretion of the Department requiring six hours a week.

Degree of Bachelor of Music.

The course for the degree of Bachelor of Music may be completed in three years. Candidates for the degree may be students of the pianoforte, or organ, or violin, or voice. Candidates are required to pass the examinations in the subjects of the course, to submit the prescribed compositions, and to satisfy the examiners of their proficiency as musical performers by passing the prescribed practical tests. In addition, before proceeding to the examinations of the final year they must have completed Matriculation and must have satisfied the department of Modern Languages that they have a good reading knowledge of French and German.*

The examinations in theory are the same for candidates in all branches of music.

Examinations.

The examinations are arranged in three groups or years. The examinations in any one group may be taken in a single year, and a candidate must have passed in all the subjects of a given group or year before proceeding to the examinations of the following one. The papers shall be set in accordance with the following schedule:

First Year.

1. Harmony in not more than four parts.
2. Analysis of Harmony.
3. Strict Counterpoint in two and three parts.
4. History of Music from the beginning of the Christian era down to 1750.
5. English 1.

Second Year.

1. Harmony in not more than five parts.
2. Strict Counterpoint in three and four parts.
3. Double Counterpoint in the octave and two parts.
4. Canon and Imitation in two parts.
5. Fugue as far as subject and answer.
6. History of music since 1750.
7. English 2.

*To meet this requirement candidates are advised to read carefully six hundred pages of French and four hundred pages of German, of a varied character, in addition to the amount of reading required for Matriculation.

Third Year.

1. Strict and Free Counterpoint in not more than five parts.
2. All forms of Double, Triple and Quadruple Counterpoint; Canon and Imitation in two, three and four parts.
3. Strict and Free Fugue in not more than five parts.
4. Analysis of Form.
5. Acoustics, in its relation to the Theory of Music.
6. Orchestration.
7. Analysis of a Full Orchestral Score.

The University provides instruction in English, Acoustics, French and German. Instruction in the professional subjects may be obtained at the Halifax Conservatory of Music, or other institution recognized for this purpose by the Senate.

Candidates for examination must make application in accordance with the Regulations for Courses in Music. (See below).

Practical Tests.

The Practical Tests are held only at the time of the corresponding examinations, and an application for examinations is considered as an application for the practical tests also. The practical tests of each of the three years are those given in detail in the calendar of the Halifax Conservatory of Music. A certificate of having passed the practical tests of the first year in an approved institution may be accepted, but those of the second and third years must be taken at this University.

Compositions.

Candidates shall compose the following exercises, which are to be submitted at or before the final examinations for the degree:

- (a) A solo song with pianoforte accompaniment.
- (b) A four-part vocal composition.
- (c) An instrumental composition (other than a dance) for pianoforte, organ, or other stringed or wind instruments, with pianoforte accompaniment.

Diploma of Licentiate of Music.

The Diploma of Licentiate of Music in Pianoforte, or Organ, or Violin, or Voice, will be granted candidates

who complete two years of the course for the degree of Bachelor of Music by passing the examinations and practical tests of the first and second years.

General Regulations for Courses in Music.

Candidates for any examination must have passed Matriculation in English (see p. 11).

Candidates who present certificates from a recognized institution of having attended approved courses of instruction in the subjects of the first year, and of having passed examinations on them accepted as equivalent to those of this University, and of having satisfied the corresponding practical tests set by that institution may be exempted from the examinations and practical tests in the subjects of the first year. The examinations and practical tests of the second and third years must be taken at this University.

Candidates who hold the Diploma of Licentiate of Music of this University are exempted from the examinations and practical tests of the first and second years of the course for the degree of Bachelor of Music.

The regular examinations are held in April. Supplementary and Special examinations are held in September only. (See University Almanac).

Candidates for any examination must make application to the Secretary of the Faculty of Arts and Science not later than March 25th, the application being accompanied by the proper fee (see p. 55) and by certificates of having attended approved courses of instruction in the professional subjects of the examinations and of having satisfactorily completed the work of such courses.

COURSES IN PHARMACY.**Degree of Bachelor of Pharmacy.**

Changes in the curriculum for this degree are under consideration and the details will be announced later.

Other Pharmacy Courses.

The Maritime College of Pharmacy, with the co-operation of some members of the staff of the University

offers two other courses in Pharmacy, a Short Course for Pharmacy Clerks, and a Qualifying Course required of those who desire to become Registered Pharmacists in Nova Scotia, and a special course for those who desire to become Registered Pharmacists in New Brunswick. These courses are carried on in the University buildings, and the students are subject to University regulations and discipline.

The Short Course for Pharmacy Clerks is intended to prepare the student for the Certified Clerks Examination of the Nova Scotia Pharmaceutical Society. It is expected that students will have a general education at least equal to that of Grade IX. Attendance on this course is prerequisite to the Qualifying Course.

The Qualifying Course begins on Saturday, Sept. 26th, 1925, and ends with the University session. The course which covers two years and includes Chemistry, Botany and Microscopy, Materia Medica, Pharmacy, Prescriptions and Dispensing and Economics, is designed to prepare the student to pass the final licensing examinations of the N. S. Pharmaceutical Society. It is necessary that students shall meet the University matriculation requirements prescribed for a degree in Medicine.

The Special course, suitable for New Brunswick students, covers one year and includes the subjects required for the Final Pharmacy Examinations of that Province. Students must have passed the "General Subjects" Examination of the N. B. Board of Pharmacy Examiners. This course begins August 27th, 1925.

For the calendar of the Maritime College of Pharmacy, and for all information, address G. A. Burbidge, Forrest Building, Halifax, N. S.

General Faculty Regulations.

Admission to Classes.

1. Candidates for a degree must pass the Matriculation examinations (pp. 11-14). Only those classes which a student attends as an Undergraduate or Matri-

culant are recognized as qualifying for a degree in Arts or Science. In order to be a Matriculant in this Faculty the student must have passed Matriculation in English and at least four other subjects of Matriculation.

2. A Matriculant pursuing a course for a degree in Arts or Science and wishing to finish this course in four years should complete his Matriculation before entering the classes proper to the *second year of his course. Thereafter until Matriculation is completed such student shall not be permitted to attend more than four classes in any one year.

3. A Matriculant deficient in more than one subject of Matriculation shall not be admitted to more than four classes of a course for a degree.

4. A Matriculant deficient in one of the required foreign languages, whose preparation in this language has not covered any considerable part of the work prescribed for Matriculation, shall not be admitted to more than three undergraduate classes; and if deficient to a similar extent in the two required foreign languages, he shall not be admitted to more than two undergraduate classes. The Committee on Admission may, however, at their discretion, waive this regulation in the case of a student whose standing in the other subjects of Matriculation is high.

5. Classes are to be taken in the order of their advancement; and the class or classes specified under Courses of Instruction (p. 57 *et seq.*) as preliminary or prerequisite to a given class must be taken before such class. No undergraduate or matriculant shall be admitted to a class until he has passed the preliminary class or classes or other preliminary qualifications required.

6. Five classes shall be regarded as constituting a normal year's work for a student in good standing. Students seeking admission to six classes must make written application to the Committee on Studies, furnishing reasons in support of their application. No student who has failed in any class of his course in the

*For the purpose of this regulation five classes shall be regarded as constituting a year.

preceding year of his attendance shall be admitted to more than five classes.

7. Students shall not be permitted to continue during the second term in more than two of the classes in which they have failed at the preceding Christmas examinations, and if they have failed in more than two-thirds of their classes their work during the Session shall not be recognized as qualifying for a degree and they shall be advised and, in extreme cases, may be required to discontinue attendance at the University for the remainder of the Session.

Attendance.

All students are required to attend the classes of their prescribed course regularly and punctually. Attendance is recorded in each class immediately before the work of the class is begun, and the record is not amended in case of students entering thereafter unless satisfactory reasons are assigned. A student's attendance on a given class is not under ordinary circumstances regarded as regular unless he has attended at least nine-tenths of the lectures or other meetings of the class.

A student whose attendance on any class is irregular will be excluded from the examinations in that class, and his attendance will not be recognized as qualifying for a degree.

Class Work.

In order that their class work may be recognized as qualifying for a degree or diploma, candidates must not only comply with attendance regulations, but must also conform to the following requirements:

1. They must appear at all examinations, prepare such essays, exercises, reports, etc., as may be prescribed and, in case of a class involving field or laboratory work, complete such work satisfactorily. Failure to meet these requirements in any class may involve loss of credit for attendance in such class.

2. They must secure positions on the Pass List. In determining this list both the standing attained in

prescribed class exercises and in field or laboratory work and that in the various examinations are taken into consideration. A candidate who fails to obtain a mark of at least 20 per cent. on the work of the session in any class shall lose credit for attendance in such class.

3. A candidate taking an affiliated course must, in the case of classes taken in another Faculty, conform to the regulations of such Faculty and must secure a position on the pass list in accordance with such regulations.

Examinations.

Sessional and Class Examinations.

In all classes other than purely laboratory classes, two examinations, at least, are held, the Christmas examinations, immediately before the Christmas vacation, and the Spring examinations, after the close of lectures in the Spring. Other examinations in any class may be held at dates appointed by the instructor. The papers set at the Spring examination in any subject cover the work of the whole session in that subject, and not merely the work of the second term, and at least 25 per cent. of the questions shall be set on the ground covered before Christmas.

Ordinary and Distinction Class Lists.

The names of candidates successful in the ordinary examinations are arranged in the published lists in order of merit in each class. In some classes (See page 34) additional work consisting of private reading, essays, reports, field or laboratory work, is prescribed for students who aim at Class Distinction. In such classes extra examinations are held in this additional work at the end of the session, and the award of distinction is based upon the ordinary and the additional work of the class.

Class Distinctions are of two grades, First and Second Class; but candidates who attain a standing considerably above that required for First Class will be indicated as having obtained a High First Class.

Names are arranged in the lists in order of merit in each grade.

Supplementary and Special Examinations.

A student who fails to secure a position on the Pass List in a class, but who has otherwise fulfilled the requirements in class work stated on page 46, may be allowed the Supplementary examination in such class at the beginning of the next session of his attendance, on the day appointed in the University Almanac. A student who fails to appear at or to pass the Supplementary examination can only get credit for that class by passing a *Special examination therein.

Supplementary or Special examinations in any class shall in all cases cover the whole work of the session in that class, and not merely the work of the first or second term.

Supplementary and Special Examinations are held in September only.

No award of Class Distinction is made on the results of a Supplementary or Special examination.

A student wishing to appear as a candidate at a Supplementary or Special examination, shall be required to give notice of his intention to the Secretary of the Committee on Studies and Attendance on or before September 1st, the fee (see p. 55) to be remitted with the notice.

Fees.

All Fees and Deposits are payable in advance, and until these are paid the student will not receive credit for attendance upon any class, nor be admitted to any examination

For Registration.†

Payable by students taking only one class in the University	\$3.00
Payable by students taking more than one class	5.00
Additional, payable by all students registering after 12, noon, on last regular registration day, for each day.	2.00

*Students who have failed to pass in any class should carefully note that any examination taken subsequent to the Supplementary examination held in September of the next session of their attendance is a Special examination. The standard required to pass a Special Examination is considerably higher than that required for other examinations.

†Students who register only for the purpose of taking examinations are exempt from the payment of this fee.

For Tuition.

For each class not involving work in laboratory or draughting-room	\$ 18.00
*For each class involving work in laboratory or draughting room	23.00
For students taking one of the regular engineering courses the maximum annual tuition fee will be	125.00
For each tutorial M. A. class	9.00
For changing course of study after October 10th, charge for adding or substituting a class	1.00

These charges are the same whether the class is attended for all or part of the year.

A class taken a second time is charged for as if taken for the first time, except as stated below.

Up to and including October 10th, a student may retire from a class for which he has paid, and his class fee will be refunded; but if he retire after that date, his fee will not be refunded, except as stated below.

If a student is compelled to withdraw from college before December 1st through illness or for some other equally valid reason, one-half of his tuition fees will be refunded. If for like reasons he is compelled to withdraw between that date and February 1st, he will be allowed to take his classes a second time at half rates.

No return of fees will be made to any student dismissed from classes or from the University.

For Examinations.

An application for Examination must be accompanied by the proper fee.

Matriculation examination at an outside centre	\$ 5.00
Each Matriculation examination after second year of attendance	4.00
Each Supplementary examination in Arts or Science	2.00
Each Special Examination in Arts or Science	4.00
Examination for the Degree of B. Mus., First Year	10.00
“ “ “ Second Year	15.00
“ “ “ Third Year	20.00
“ Diploma of L. Mus., First Year	10.00
“ “ “ Second Year	15.00
“ Degree of Phm. B.	10.00
Each Supplementary examination in Music or Pharmacy	5.00
Examination for the degree of M. A. or M. Sc.	10.00
Ditto, at an outside centre	20.00

*See Laboratory Deposit, p. 16.

For Certificates and Diplomas.

An application for a Certificate or Diploma must be accompanied by the proper fee.

Certificate under the University seal.....	\$ 1.00
†B. A. or B.Sc., or B. Com. or L.Mus. or Engineering, diploma.....	5.00
†B. Mus. or Phm. B., diploma.....	10.00
†M. A. or M. Sc., diploma.....	20.00
<i>Ad eundem gradum</i> diploma.....	10.00
Additional fee for any degree conferred <i>in absentia</i>	5.00

See Pages 20 for

**Fee for Support of Student Organizations.
Caution Deposit.
Laboratory Deposit.**

†Payable before the final examinations, and returnable in case of failure

COURSES OF INSTRUCTION.

I. Classics.

Professors..... Howard Murray (*Head of dept.*), E. W. Nichols.
Associate Professor..... A. K. Griffin.
Lecturers..... J. W. Falconer, J. W. Logan.

Latin.

Elementary Latin.—*Tuesday, Thursday and Saturday, 11—12 a. m., and another hour to be determined after the class is formed.*

This class is intended for beginners in the language, and for those whose work has been insufficient to qualify them for admission to Latin 1. Students whose work throughout the session has been satisfactory will be admitted to a Matriculation examination in Latin, held in April.

As it will not be possible to cover in class all of the reading required for Matriculation, students intending to qualify for the above examination must do a considerable part of the reading by private work, and must be prepared to devote much more time to the subject outside of class hours than is required in the ordinary undergraduate class.

The first book to be used will be Collar & Daniell's *First Year Latin*, (Ginn & Co., Boston). Other books will be announced at the beginning of the session.

1. *Tuesday, Thursday and Saturday, 10—11 a. m., or Monday, Wednesday and Friday, 12-1 p. m.*

Pre-requisite.—Matriculation Latin.
Cicero: *Orations against Catiline I and III*. Vergil: *Aeneid*, Book VI. Latin Grammar. Latin Prose Composition. Exercises in Sight Translation.

Books Recommended: Cicero: *Selected Orations and Letters*, (Kelsey's, Allyn & Bacon, Boston). Vergil: *Aeneid*, Book VI. (Freeman's, Oxford Univ. Press, Toronto). North & Hillard's *Latin Prose Composition*, (Rivington, London) Allen & Greenough's *New Latin Grammar*, (Ginn & Co., Boston).

2. *Monday, Wednesday and Friday, 10-11, or 11—12 a. m.*

Pre-requisite.—Latin 1.
Livy: Book I. Horace: *Selected Odes*. *Vergil: *Aeneid*, Book VII. Latin Grammar. Latin Prose Composition. Exercises in Sight Translation.

Books Recommended: Livy: Book I. (Freeman's, Oxford University Press, Toronto). Horace: *Selected Odes*, (Wickham's, Oxford University Press). Vergil: *Aeneid* Book VII, (Calvert's, Macmillan Co., Toronto). Allen & Greenough's *New Latin Grammar*.

3. (1926-27). *Tuesday and Thursday, 11—12 a. m.*

Pre-requisite.—Latin 2.
Tacitus: *Histories*, Book 1. Horace: *Selected Satires*. *Tacitus: *Histories*, Book II, Chapters 1-70. Latin Prose Composition. Exercises in Sight Translation.

*For private reading by students seeking First or Second Class Distinction:

Books Recommended: Tacitus: *Historiae*, Books I and II, (Moore's, Macmillan, Toronto). Horace: *Satires and Epistles*, (Rolfe's, Allyn & Bacon, Boston).

4. (1925-26). *Tuesday and Thursday*, 11—12 a. m.

Pre-requisite.—Latin 2.

Tacitus: *Germania*. Selections from the works of writers of the Early Empire. *Cicero: *De Officiis*, Book III.

Books Recommended: Tacitus: *Germania*, (Stuart's, Macmillan Co., Toronto) Part A of *Selection from the Latin Literature of the Early Empire*, (edited by A. Brown, Oxford University Press, Toronto). Cicero: *De Officiis*, (Holden's, Cambridge Univ. Press).

5. (1926-27). Terence: *Phormio*. Vergil: *Georgics*, I, IV. Horace: *Epistles*, I, II, *Ars Poetica*. Juvenal: *Satires*, I, VII, VIII, XIV. Cicero: *Philippic* I, *Pro Cluentio*. Livy: XXI, XXII.

6. (1925-26). Plautus: *Captivi*, *Miles Gloriosus*. Terence: *Adelphi*. Cicero: *Philippic* II, *De Oratore* I. Tacitus: *Annals*, I, II, *Agricola*. Pliny: *Letters*, Books I-III.

In all Latin examinations one or more passages from books not prescribed will be set for translation at sight.

Greek.

Elementary Greek.—*Monday and Friday*, 10—11 a. m., and *Tuesday and Thursday*, 2.30—3.30 p. m.

This class is intended for beginners in the language, and also for those who have come to college without sufficient preparation to qualify them for entering Greek 1. The first book used will be White's *First Greek Book*, (Ginn & Co., Boston). Other books will be announced at the beginning of the session.

Students whose work throughout the session has been found satisfactory will be admitted to a Matriculation examination in Greek, held in April. Those intending to qualify for this examination should read the statement made under Elementary Latin which is applicable here also, regarding the additional work required outside of class hours.

1. *Monday, Wednesday and Friday* 10—11 a. m.

Pre-requisite.—Matriculation Greek.

Xenophon: *Hellenica*, Book II. Plato: *Euthyphro*. Greek Grammar. Greek Prose Composition. Exercises in Sight Translation.

Books recommended: Xenophon: *Hellenica*, Books I, II, (Underhill's, Oxford University Press, Toronto). Plato: *Euthyphro*. (Adam's, Cambridge University Press). North & Hillard's *Greek Prose Composition*, (Rivington, London). Goodwin's *Greek Grammar*, (Ginn & Co., Boston).

2. *Monday and Wednesday*, 9—10 a. m.

Pre-requisite.—Greek 1.

Lucian: *Selected Dialogues*. Homer: *Odyssey*, Book IX and selections from Book XI. *Lucian: *Timon* (as in Inge & Macnaghten's edition). *Homer: *Odyssey*, Book XII. Greek Grammar. Greek Prose Composition. Exercises in Sight Translation.

Books recommended: Lucian: *Selections*, (Inge & Macnaghten's, Longmans). Homer: *Odyssey*, Books VII—XII, (Merry's, Oxford University Press, Toronto). North & Hillard's *Greek Prose Composition*, (Rivington, London).

*For private reading by students seeking First or Second Class Distinction.

3. (1926-27). *Monday and Wednesday*, 12—1 p. m.

Pre-requisite.—Greek 2.

Demosthenes: *Philippics* I, II, III. Euripides: *Medea*. *Demosthenes: *Olynthiacs* I, II. *Homer: *Odyssey*, Book I.

Books recommended: Demosthenes: *Philippics*, (Abbott and Matheson's, Oxford University Press, Toronto). *Olynthiacs*, (Glover's, Cambridge University Press). Euripides: *Medea*, (Heberden's, Oxford University Press, Toronto). Homer: *Odyssey*, Book I, (Marchant's, George Bell & Sons, London).

4. (1925-26). *Monday and Wednesday*, 12—1 p. m.

Pre-requisite.—Greek 2.

Plato: *Apology*. Aristophanes: *Clouds*. *Plato: *Crito*. *Homer: *Iliad*, Book VI. Greek Prose Composition. Exercises in Sight Translation.

Books Recommended: Plato: *Apology* and *Crito*, (Wagner's, Geo. Bell & Sons, London). Aristophanes: *The Clouds*, (Merry's, Oxford University Press, Toronto). Homer: *Iliad*, Book VI, (Leaf and Bayfield's, Macmillan Co., Toronto).

5. (1926-27). Aeschylus: *Eumenides*, *Prometheus Vincit*. Sophocles: *Ajax*. Aristophanes: *Frogs*. Thucydides: II. Plato: *Republic*, I-IV

6. (1925-26). Homer: *Odyssey*, V-VIII. Sophocles: *Oedipus Rex*. Aristophanes: *Knights*. Thucydides: III. Demosthenes: *De Corona*. Aristotle: *Poetics*.

In all Greek examinations one or more passages from books not prescribed will be set for translation at sight.

Archaeology.

Monday and Wednesday, 3.30—4.30 p. m.

This course, conducted by Professor J. W. Falconer, consisting of about fifty lectures accompanied with illustrations will give an outline of the history of ancient sculpture, painting, architecture and the minor arts. The introductory lectures will be devoted to Egyptian and Assyrian Archaeology, while the major part of the course will deal with Greek and Roman antiquities.

Text Books: Fowler and Wheeler: *Greek Archaeology*. Wickoff: *Roman Art*. Books Recommended: Fowler and Wheeler: *Oriental Antiquities*. Maspero: *Egyptian Archaeology*. Gardner and Jevons: *Manual of Greek Antiquities*. Anderson and Spiers: *Architecture of Greece and Rome*. W. M. Ramsay: *Studies in the History and Art of the Eastern Roman Provinces*. Baldwin Brown: *The Fine Arts*.

Introduction to Philology.

Two hours per week. Hours to be assigned.

Pre-requisites.—Two years of Latin or Greek, and at least one year of another foreign language.

This course, conducted by Dr. E. W. Nichols, aims to furnish (1) an outline picture of the history of scholarship; (2) an elementary knowledge of the methods, problems and results of philological investigation. The course is conducted by means of lectures and assigned readings. Reading for distinction will be assigned early in the session.

*For private reading by students seeking First or Second Class Distinction.

II. New Testament Greek.

Pre-requisite.—Greek I.

The class and examination in New Testament Greek conducted by Professor J. W. Falconer, in the Presbyterian Theological College, Halifax, and those conducted by Prof. T. H. Hunt in the Faculty of Divinity, King's College, are recognized as qualifying for a degree for those taking the affiliated course for Divinity. Similar classes in other theological colleges approved by the Faculty are also recognized for the same purpose.

III. Hebrew.

The class and examination in Hebrew, conducted by Professor H. A. Kent, in the Presbyterian Theological College, Halifax, and those conducted by Professor T. H. Hunt in the Faculty of Divinity, King's College, are recognized as qualifying for a degree for those taking the affiliated course for Divinity. Similar classes in other theological colleges approved by the Faculty are also recognized for the same purpose.

IV. Modern Languages.

Professor.....René Gautheron.
Associate Professors.....C. H. Mercer; R. W. Scott.

French*.

1. *Tuesday, Thursday and Saturday*, Section I, 9-10 a. m., Section II, 10-11 a. m.

Pre-requisite.—Matriculation French.

Manley: *Eight French Stories*, (Allyn and Bacon). François Coppée: *Le Luthier de Crémone; et le Tresor* (Allyn and Bacon). Voltaire: *Jeannot et Colin et Extraits des Contes*. Mansion; *Extracts for French Composition*, (Heath and Co.).

2. *Tuesday, Thursday and Saturday*, Section I, 9-10 a. m., Section II, 10-11 a. m., Section III, *Monday, Wednesday and Friday* 9-10 a. m.

Fraser and Squair: *Complete French Grammar*. Moraud: *French Composition* (Oxford Clarendon Press). Ch. M. des Granges, Hatier: History of the French literature with special reference to the 17th century: *Histoire de la littérature française*. Molière: *L'Avare* (Lanson's edition, Hachette, Paris.) La Fontaine: *Fables*. (Clément's edition, Armand Colin, Paris.)

Additional for Distinction: Racine: *Andromaque*,—Boileau: *L'Art poétique* (selected).—Les Caractères: *La Bruyère*.

*The University provides no instruction for beginners in French, but extra-mural classes will be formed if a sufficient number of students apply, to provide instruction in French for matriculation.

3. (1926-1927). *Tuesday and Thursday*, 3.30-4.30 p. m.

History of the French literature with special reference to the 19th century.—Advanced French prose composition (Ritchie and Moore).—Chateaubriand. *Morceaux choisis* (Canat's edition, Didier, Paris).—Alfred de Musset: *Il ne faut jurer de rien*. Mérimél: *Colomba*.—Selected poems of the 19th century.

Additional for Distinction: Victor Hugo: *Hernani*: Alfred de Vigny: *Servitude et grandeur militaires*.

4. (1925-26). *Tuesday and Thursday*, 3.30-4.30 p. m.

History of the French literature with special reference to the 18th century. Ch. M. des Granges: *Histoire de la littérature française*. Ritchie and Moore: *A manual of French composition*. (Cambridge, University Press). Le Sage: *Gil Blas* (Classiques pour tous, Hatier, Paris). Ch. M. des Granges: *Morceaux choisis des auteurs français*: deuxième cycle. Hatier, Paris. Victor Hugo: *Morceaux choisis*. Poésie. (Delagrave, Paris).

Additional for Distinction: Montesquieu: *Lettres persanes* (Selected). Rivarol: *Discours sur l'universalité de la langue française*.—André Chénier, *Poésies choisies*, Alfred de Vigny: *Stello*.

5. (1925-26). *Tuesday and Thursday*, 4.30-5.30 p. m.

A closer historical and critical study of the French literature of the 19th century, Selected authors. French essays.

10. **Commercial French.** *Tuesday and Thursday*, 11-12 a. m.

For students looking forward to the degree of Bachelor of Commerce. It cannot be offered as an elective for Arts or Science degrees.

German.

Elementary German.—*Tuesday, Thursday and Saturday*, 9-10 a. m.

Joynes-Meissner's *Grammar* to end of Lesson XLIV; Buchheim: *Modern German Reader, Part I*; grammar questions limited to accidence and easy rules of syntax; easy sight translation from German into English and from English into German.

This class will not count towards a degree; but students whose work throughout the session has been satisfactory will be admitted to a Matriculation examination in German, held in April.

1. *Tuesday, Thursday and Saturday*, 10-11 a. m.

Pre-requisite.—Matriculation German.

Hatfield: *German Lyrics*. Baumbach: *Der Schwiegersohn*, (Holt & Co.). Freytag: *Die Journalisten. Writing and Speaking German*, (Pope). Allen: *German Life*. Exercises in Sight Translation. History of German Literature.

2. *Monday and Wednesday, 2.30-3.30 p. m.*

Pre-requisite.—German 1.

Nichols: *Modern German Prose*, (Holt & Co.). Freytag: *Soll und Haben*, (Heath & Co.). Goethe: *Faust (Part I)*, (Heath & Co.). German Prose Composition. Conversation. Dictation. History of German Literature (selected period).

Additional for Distinction: Kleist: *Michael Kohlhaas*, (Macmillan). Scheffel: *Der Trompeter von Säckingen*.

3. *Wednesday, 4.30-5.30 p. m.*

Pre-requisite.—German 2.

This class has as its object the critical study of important literary movements. It will be conducted, partly, at least, as a seminar, and members of the class will be required to write reports on books read in private and essays in German at stated intervals.

This class will only be given if a sufficient number of qualified students apply for it.

10. *Commercial German. Two hours per week.*

For students looking forward to the degree of Bachelor of Commerce. It cannot be offered as an elective for the Arts or Science degrees.

Spanish.1. *Monday, Tuesday, Wednesday, Thursday and Friday, 3.30-4.30 p. m.*

Hills and Ford: *First Spanish Course*, (Heath). Wilkins: *Elementary Spanish Reader*, (Holt). Taboada: *Cuentos Alegres*, (Heath). Hills and Reinhardt: *Spanish Short Stories*, (Heath).

This class, covering Matriculation Spanish and a year of College work, will count towards a degree.

2. *Tuesday, Thursday and Saturday, 11-12 a. m.*

Wilkins: *Second Spanish Book*, (Holt). Luria: *Correspondencia Comercial*, (Silver, Burdett). Morley: *Spanish Humor*, (Ginn).

10. *Tuesday and Thursday, 2.30-3.30 p. m.*

Luria: *Correspondencia Comercial*, (Silver, Burdett). Camba: *Un año en el otro mundo*, (Madrid). Baroja: *Páginas escogidas*, (Madrid). For Composition occasional exercises will be taken from Wilkins: *Second Spanish Book*.

For students looking forward to the degree of Bachelor of Commerce.

V. Biblical Literature.

Lecturer.....H. A. Kent.

There are two university classes in the literature of the Old and New Testaments. Either one of these classes may be offered as an elective for a degree in Arts, except by a student who is offering a class in Biblical Literature as a part of an affiliat-

ed group. The class and examination in Biblical Literature conducted in the Faculty of Divinity, King's College, are recognized as qualifying for a degree for those taking the affiliated course for Divinity.

1. (1926-27). *Tuesday and Thursday, 4.30-5.30 p. m.*

Old Testament. The Hexateuch and Historical Books of the Old Testament and the pre-exilic Prophets. Lectures are given on the relation of Hebrew literature to the literatures of the ancient Orient, the various kinds of writing to be found in the Old Testament, and the structure and contents of the books themselves.

Text Books: Martin: *The Meaning of the Old Testament*. Peake: *The Bible, its Origin, Significance and Abiding Worth*. Relevant articles in *Hastings' Dictionary of the Bible*.

New Testament. The Gospels studied as the literary sources for the Teaching of Jesus.

Books Recommended: Burton: *Introduction to the Gospels*. Moffatt: *New Testament*. Goodspeed: *The Story of the New Testament*. Relevant articles in *Hastings' Dictionary of the Bible*.

2. (1925-26). *Tuesday and Thursday, 4.30-5.30 p. m.*

Old Testament. The exilic and post-exilic Prophets, the Poetry and Wisdom literature. Lectures are given on the decline of prophecy, the rise of the Wisdom and Apocalyptic literature, and the character of Hebrew poetry.

Text Books: MacFadyen: *Introduction*. Cadbury: *National Ideals in the Old Testament*. Jackson: *Studies in the Old Testament*.

New Testament. The Apostolic Age, as portrayed in the books of the New Testament not studied in Course 1.

Books Recommended: Ropes: *The Apostolic Age*. Goodspeed: *The Story of the New Testament*.

VI. English Language and Literature.

Professors.....Archibald MacMechan, (*Head of dept.*);
W. D. MacFarlane.
Associate Professor.....C. L. Bennet.
Lecturer.....E. Margaret Lowe.

1. *Monday, Wednesday and Friday, 11-12 a. m.*

Pre-requisite.—Matriculation English.

Composition.—Twenty narrative and descriptive themes, based on personal experience and work read in class. The class will be divided into sections each of which will meet the instructor an extra hour weekly for discussion of themes.

Literature.—Eighteenth Century. Prose:—Addison: *Papers Contributed to "The Spectator."* Swift: *Voyage to Lilliput, Voyage to Brobdingnag*. Johnson: *Life of Pope*. Macaulay: *Samuel Johnson*. Poetry:—Dryden: *MacFlecknoe, St. Cecilia's Day, Alexander's Feast*. Pope: *Rape of the Lock*. Gray: *Elegy in a*

Country Churchyard. Goldsmith: *Traveller, Deserted Village*. Burns: *Two Dogs, Cotter's Saturday Night*.

For reference: Gosse: *History of Eighteenth Century Literature*.

Parallel Reading.—As a preparation for the course, the student is recommended to read the following works:—Thackeray: *English Humorists, Congreve and Addison, The History of Henry Esmond* (bk. ii, cap. xi, at least). Macaulay: *The Third Chapter*. Herbert Paul: *Queen Anne*, (Wayfarers Library).

2. *Monday, Wednesday and Friday, 12-1 p. m.*

Pre-requisite.—English 1.

Composition. Lectures on the Principles of Narration, Description and Exposition. Twenty expository themes, based chiefly upon the work in class. The class will be divided into sections, each of which will meet the instructor an extra hour weekly for discussion of themes.

Literature.—Elizabethan. Shakespeare: *King John, Twelfth Night, Macbeth*. Milton: *L'Allegro, Il Penseroso, Lycidas, Comus, Sonnets, Paradise Lost*, Bks. i, ii. Lectures.

For reference.—Sidney Lee: *A Life of William Shakespeare*. Dowden: *Shakespeare Primer*. Saintsbury: *History of the Elizabethan Literature*. Sichel: *The Renaissance*.

Candidates for class distinction will be examined in the following plays which are not read in class:—*Henry V, The Tempest, Hamlet*.

Parallel Reading.—As a preparation for this course, the student is recommended to read the following works:—Kingsley: *Westward Ho!* Scott: *Kenilworth*. Hentzner: *Travels in England*. Harrison: *Description of England*, (Scott Library). Bailey: *Milton*.

3. **Middle English and Pre-Shakespearean Literature.**—

(1925-26). *Tuesday and Thursday, 3.30-4.30 p. m.*

Pre-requisite.—English 2.

Chaucer: *Prologue, Knight's Tale, Nun's Priest's Tale* (ed. Skeat). Sweet: *Middle English Primer, II*. Spenser: *Faerie Queene*, bks. i, ii. Marlowe: *Dr. Faustus*. Lectures.

History of Literature. Pollard: *Chaucer Primer*. For reference:—Lounsbury: *Chaucer Studies*. Morley: *English Writers, V*. Legouis: *Chaucer*.

For Distinction:—Chaucer: *The Prioress's Tale, Sir Topas, The Monk's Tale*. (The whole volume of Skeat.)

4. **Nineteenth Century Literature.**—(1926-27). *Tuesday and Thursday, 4.30-5.30 p. m.*

Pre-requisite.—English 2.

Lectures: The historical and social background, the influence of the French Revolution, the predecessors of Wordsworth.—Cowper, Crabbe, Blake, Burns, Chatterton. Scott: *Old Mortality, Marmion*. Byron: *Poems*, edited by Matthew Arnold. Wordsworth: *Poems*, edited by Dowden. Selected poems of Coleridge, Shelley and Keats.

History of Literature. Saintsbury: *History of Nineteenth Century Literature*. Herford: *Age of Wordsworth*.

For Distinction: A thesis on a subject assigned by the instructor.

5. **Nineteenth Century Literature.**—(1925-26). *Monday and Wednesday, 12-1 p. m.*

Pre-requisite.—English 2.

Selected poems of Tennyson, (Poems of Tennyson, ed. MacMechan, *Belles Lettres* series). Browning: *Men and Women* (Dent). Arnold. Dickens: *David Copperfield*, (Everyman's Library). Thackeray: *Vanity Fair*, (Everyman's Library). Carlyle: *Sartor Resartus*, ed. MacMechan, (Athenaeum Press Series).

History of Literature. Saintsbury: *History of Nineteenth Century Literature*. Chesterton: *Victorian Literature*. Elton: *Survey of English Literature, 1830-1880*.

For Distinction, as in English 4.

6. **Old English.**—(1925-26). *Tuesday and Thursday, 10-11 a. m.*

Pre-requisite.—German 1.

Bright: *Anglo-Saxon Reader*. Sievers: *O. E. Grammar*, trans. Cook. Sight translation from easy texts.

This course is intended primarily for Honour Students in English, and will be given only if a sufficient number of qualified students apply for it.

7. **Elizabethan Drama.**—(1925-26). *Tuesday and Thursday, 11-12 a. m.*

Pre-requisite.—English 2.

Marlowe: *Tamburlaine, Edward II, The Jew of Malta*. Greene: *Friar Bacon and Friar Bungay*. Jonson: *The Alchemist, Every Man in His Humour*. Beaumont and Fletcher; *Philaster, The Knight of the Burning Pestle*. Massinger: *A New Way to Pay Old Debts*. Webster: *The Duchess of Malfi*. Shakespeare: *The Tragedies, Two Noble Kinsmen*.

This course, conducted as a Seminar, is intended primarily for Honour Students in English. It will only be given if a sufficient number of qualified students apply for it.

8. **Literary Movements in Canada.**—(1926-27). *Tuesday and Thursday, 9-10 a. m.*

Pre-requisite.—English 2.

MacMechan: *Head-Waters of Canadian Literature*. Broadus: *A Book of Canadian Prose and Verse*. Fournier: *Anthologic des Poètes Canadiens*.

Distinction: Thesis on the work of a Canadian author.

Note: A reading knowledge of French will be an advantage to students taking this course.

9. Modern Drama and Poetry.—(1925-26). *Monday and Wednesday, 11-12 a. m.*

Pre-requisite.—English 2.

This class is intended primarily for Honours students, but a limited number of other qualified students may be admitted.

10. Advanced English Composition.—(1925-26). *Tuesday and Thursday, 9 a. m.*

Pre-requisite.—English 2.

Only a limited number of specially qualified students will be admitted to this class. Laboratory methods will be used. There will be daily composition with criticism and revision.

Text Book: Manly and Rickert: *The Writing of English*.

VII. History.

Professors (Head of Dept) G. E. Wilson, A. Stanley Walker.

History.

1. History of Europe Since the Fall of the Roman Empire.—*Monday, Wednesday and Friday, 9-10 a. m. or 10-11 a. m.*

Pre-requisite.—Matriculation History.

Given annually. Required of all students taking the ordinary Arts course.

Text Books: Robinson: *History of Western Europe*. Assigned readings. Suggested Reading: Munro and Sellery: *Medieval Civilization*. Emerton: *Introduction to the Middle Ages, Medieval Europe*. Bryce: *Holy Roman Empire*. Day: *History of Commerce*. Abbott: *The Expansion of Europe*. Hazen: *Modern European History*.

2. Ancient History.—(1925-26, and in alternate years).—*Monday, Wednesday and Friday, 10-11 a. m.*

Pre-requisite.—History 1.

Text Books: Plutarch: *Selected Lives*. Dickinson: *The Greek View of Life*. Pelham: *Outlines of Roman History*. Suggested Reading: Bury: *History of Greece*. Zimmern: *Greek Commonwealth*. Herodotus: *Thucydides*. Mommsen: *History of Rome*. Heitland: *History of the Roman Republic*. Abbott: *Roman Political Institutions*. Greenidge: *Roman Public Life*. Dill: *Roman Society from Nero to Marcus Aurelius*. Mackail: *Latin Literature*.

3. Modern England.—(1926-27, and in alternate years).—*Monday, Wednesday and Friday, 10-11 a. m.*

Pre-requisite.—History 1.

Text Books: Cross: *History of England*. Assigned readings. Suggested Readings: Fisher: *England under the Tudors*. Trevelyan: *England under the Stuarts*. Firth: *Oliver Cromwell*. Macaulay: *History of England*. Lecky: *History of England in the Eighteenth Century*. Walpole: *England since 1815*. Seeley: *The Expansion of England*.

4. History of Europe since 1815.—(1926-27, and in alternate years).—*Tuesday and Thursday, 11-12 a. m.*

Pre-requisite.—Two classes in History.

This class will be conducted partly by the seminar method, no text book being set, but readings will be assigned on various topics. Some knowledge of the bibliography of the period will be required.

Suggested Reading: Hazen: *Modern European History*. Hayes: *Political and Social History of Modern Europe*. Thayer: *The Life and Times of Cavour*. Trevelyan: *Garibaldi and the Thousand*. Garibaldi: *and the Making of Italy*. Fisher: *Bonapartism*. Headlam: *Bismarck*. Dawson: *The Evolution of Modern Germany*. Seymour: *Diplomatic Background of the War*.

5. History of Europe, 1715-1815. (1925-26, and in alternate years).—*Tuesday and Thursday, 11-12 a. m.*

Pre-requisite.—Two classes in History.

This class will be conducted like History 4, readings being assigned on selected topics. The chief subjects for study will be the French Revolution and the career of Napoleon.

Suggested Reading: Macaulay: *Essay on Frederick the Great*. Mahan: *The Influence of Sea Power upon History*. Lowell: *The Eve of the French Revolution*. Morley: *Voltaire*. Tocqueville: *The Old Regime*. Taine: *The French Revolution*. Carlyle: *The French Revolution*. Aulard: *The French Revolution*. Rose: *Life of Napoleon*. Rosebery: *The Last Phase*.

6. England under the Tudors. (1925-26, and in alternate years). *Monday and Wednesday, 2.30-3.30 p. m.*

Pre-requisite.—Two classes in History.

7. The Fourteenth Century.—(1926-27, and in alternate years).—*Monday and Wednesday, 2.30-3.30 p. m.*

Pre-requisite.—Two classes in History.

Suggested Reading: Poole and Hunt: *Political History of England, Vols. III and IV*. Lodge: *Close of the Middle Ages*. Jusserand: *English Wayfaring Life in the Middle Ages*. Cunningham: *Growth of English Industry and Commerce, Vol. I*. Traill: *Social England, Vol. II*. Froissart's *Chronicle*.

8. History of Canada to 1837.—(1925-26, and in alternate years).—*Tuesday and Thursday, 10-11 a. m.*

Pre-requisite.—History 1.

Suggested Reading: Parkman: *Works*. Munro: *The Seigniorial System in Canada*. Garneau: *Histoire du Canada*. Durham: *Report. Canada and its Provinces*.

9. **History of Canada Since 1837.**—(1926-27, and in alternate years).—*Tuesday and Thursday, 10-11 a. m.*

Pre-requisite.—History 1.

Suggested Reading: Dent: *Canada since the the Union of 1841*. Turcotte: *Le Canada Sous L' Union*. Bryce: *Remarkable History of the Hudson Bay Co*. Skelton: *Life and Times of A. T. Galt, Life and Letters of Sir Wilfrid Laurier*. Pope: *Sir John Macdonald*. Preston: *Life and Times of Lord Strathcona*. Cartwright: *Reminiscences*. Siegfried: *The Race Question in Canada*. Moore: *The Clash. Canada and its Provinces*.

VIII. Church History.

The class and examination in Church History conducted in the Faculty of Divinity, King's College, are recognized as qualifying for a degree for those taking the affiliated course for Divinity.

IX. Economics and Sociology.

Economics.

Assistant Professor W. Russell Maxwell.

1. **Principles of Economics.**—*Monday, Wednesday and Friday, 11-12 a. m. or 12-1 p. m.*

Text Books: Ely: *Outlines of Economics*. MacGibbon: *An Introduction to Economics for Canadian Readers*.

Books Recommended: Marshall: *Principles of Economics*. Taussig: *Principles of Economics*. Carver: *The Distribution of Wealth*. Clay: *Economics for the General Reader*.

2. **Modern Economic History.**—(1926-27). *Tuesday and Thursday, 3.30-4.30 p. m.*

Pre-requisite.—Economics 1.

Text Books: Ogg: *Economic Development of Modern Europe*. Bogart: *Economic History of the United States*.

Books Recommended: Cunningham: *Growth of English Industry and Commerce. Canada and its Provinces*, Selected Portions. Toynbee: *Industrial Revolution*.

3. **Money and Banking.**—(1926-27) *Monday and Wednesday, 3.30-4.30 p. m.*

Pre-requisite.—Economics 1.

Text Books: Foster and Catchings: *Money*. Dunbar: *The Theory and History of Banking*.

Books Recommended: Fisher: *The Purchasing Power of Money*. Bagehot: *Lombard Street*. Johnson: *Canadian Banking System*. Phillips: *Readings in Money and Banking*. Cassel: *Money and Foreign Exchange after 1914*. Furniss: *Foreign Exchange*.

4. **Labour Problems and Trusts.**—(1925-26). *Tuesday and Thursday, 3.30-4.30 p. m.*

Pre-requisite.—Economic 1.

Text Books: Fitch: *The Causes of Industrial Unrest*. Douglas, Hitchcock and Atkins: *The Worker in Modern Economic Society*. Jenks and Clark: *The Trust Problem*.

Books Recommended: Cole: *The World of Labour*. Webb: *History of Trade Unionism*. Cole: *Self Government in Industry*. MacGregor: *Industrial Combination*.

5. **Public Finance.**—(1925-26). *Tuesday and Thursday, 11-12 a. m.*

Pre-requisite.—Economics 1.

Books Recommended: Bastable: *Public Finance*. Seligman: *Essays in Taxation*. Plehn: *Introduction to Public Finance*. Stamp: *The Principles of Taxation*. Bullock: *Selected Readings in Public Finance*.

6. **Economic Statistics.**—(1925-26). *Tuesday and Thursday, 9-10 a. m.*

Pre-requisite.—Economics I, Matriculation Mathematics.

Books Recommended: W. I. King: *Elements of Statistical Method*. Yule: *Introduction to the Theory of Statistics*. Bowley: *Elements of Statistics*. Secrist: *Introduction to Statistical Methods*. Fisher: *Index Numbers*. Mitchell: *Index Numbers of Wholesale Prices in the United States and Foreign Countries*.

7. **History of Economics.**

This course will only be given to advanced students who apply for it in sufficient numbers. It aims to trace the development of economic doctrine from the earliest times up to the present.

Books Recommended: Gide and Rist: *History of Economic doctrines*. Ingram: *History of Political Economy*.

8. **International Trade and Tariff Problems.**—(1926-27).

Pre-requisite.—Economics I.

Text Book: F. W. Taussig: *Selected Readings in International Trade and Tariff Problems*.

Books Recommended: Furniss: *Foreign Exchange*. Bastable: *The Theory of International Trade*. F. W. Taussig: *Some Aspects of the Tariff Question; Tariff History of the United States*. Pointe: *Sixty Years of Protection in Canada*.

Sociology.

Assistant Professor S. H. Prince.

10. **Social Organization.**—(1925-26). *Wednesday and Friday, 12-1 p. m.*

Pre-requisite.—Economics 1.

An introductory course in the study of human society and social organization.

Special reading list with assignments from works of Giddings, Sumner, Ellwood, Ross, Bogardus, Ogburn and others.

11. **Applied Sociology.**—(1925-26). *Tuesday and Thursday, 9-10 a. m.*

Pre-requisite.—Economics I.

Betterment movements and population problems. Relief, housing, recreation, safety and health. Distribution and growth of population; immigrant types; relation of races; rural organization; urbanization; unifying agencies. Special attention given to Canadian conditions.

Text Books: Beach: *Introduction to Sociology and Social Problems*. Towne: *Social Problems*.

Also topical bibliography supplied in class.

12. **History of Social Thought.**—(1925-26). *Tuesday and Thursday, 2.30-3.30 p. m.*

Pre-requisite.—Economics I.

A course which aims to acquaint the student with the chief literature of Sociology and to present a general survey of the history of social thinking.

Text Book: Lichtenberger: *Development of Social Theory*. Additional Readings prescribed from Bristol, Bogardus, Barnes, and other writers on historical sociology.

X. Government and Political Science.

Professor.....Henry F. Munro

1. **Government of the British Commonwealth.**—*Monday, Wednesday and Friday, 3.30-4.30 p. m.*

Introductory lectures on general political concepts. Federal, provincial and municipal institutions of Canada. Merits and defects of existing systems. Problems and tendencies of the Canadian democracy. Brief survey of other British governments. Mandated territories. Imperial Conferences. Inter-imperial relations. International status of the British Commonwealth. General deductions regarding British democracies.

Reading: Selections prescribed from time to time from the works of Anson, Bryce, Dicey, Keith, Lowell and other commentators on British government. Considerable class use will be made of Jenks' *A History of Politics* and Kennedy's *Documents of the Canadian Constitution*.

A previous course in History or Economics is recommended before taking up the study of Government.

2. **General Political Science.**—(1926-27). *Monday, Wednesday and Friday.*

Scope, methods and fundamental concepts of political science. Origin and nature of the state. Purposes, functions and instruments of government. Unitary and federal states. Rigid and flexible constitutions. Distribution and separation of powers. The bicameral system. Government and popular control. Political parties. Recent experiments in government.

Text Book: Sidgwick: *The Elements of Politics*. Collateral reading from the works of Seeley, Bryce, Bluntschli, Wilson, Willoughby and other writers on political science.

3. **Political Theory.**—(1925-26). *Tuesday and Thursday, 3-30-4-30 p. m.*

Pre-requisite.—Government 1.

Theories of the state and of government from Plato and Aristotle to Bolshevism.

Text Book: Dunning: *Political Theories*. Collateral reading from the works of representative political thinkers.

4. **Sociology.**—(1926-27). *Tuesday and Thursday, 3-30-4.30 p. m.* Social Theory. Methods and problems of sociology. Elements and structure of society. Historical evolution of society. Laws of social phenomena.

Text Book: Giddings: *The Principles of Sociology*. Collateral reading from selected publications on sociology.

5. **Constitutional History.**—*Monday, Wednesday and Friday, 2.30-3.30 p. m.*

Anglo-Saxon institutions. Feudalism in England. The *Magnam Concilium* and the *Concilium Ordinarium*. Origin and growth of the Houses of Parliament. Origin and development of Trial by Jury. Origin and development of the Courts of Law. The Royal Prerogative. The Liberty of the Person. Origin and development of the Cabinet System. History of the Reform Bills. The written code of the Constitution. *Magna Charta*. Petition of Right. Bill of Rights. *Habeas Corpus*. Act of Settlement. Recent constitutional changes.

Text Book: Taswell-Langmead: *Constitutional History of England*, with collateral reading from the works of Maitland, McKechnie, McIlwain, Adams and others.

6. **International Law.**—*Tuesday and Thursday, 2.30-3.30 p. m.*

Pre-requisite.—Government 1, or Constitutional History or History of English Law.

The relations of states with each other in peace, war and neutrality, through the study of actual cases. No previous knowledge of law required.

Case Book: Stowell and Munro's *International Cases*, Vols. I & II with some approved text book as parallel reading.

XI. Law.

Certain classes conducted by the Faculty of Law in the first year of the curriculum, and the examinations conducted in these subjects by that Faculty, are recognized as qualifying for a degree in Arts when offered by a student taking the affiliated course in Law.

XII. Philosophy.

Professors.....H. L. Stewart, (*Head of Dept.*), N. J. Symons.

1. **Logic and Psychology.**—*Monday, Wednesday and Friday, 2.30-3.30 p. m.*

Text Books: Logic: Creighton: *Introductory Logic*. Psychology: Pillsbury: *Essentials of Psychology*.

2. **History of Greek Philosophy.**—(1925-26). *Monday and Wednesday, 3.30-4.30 p. m.*

Pre-requisite.—Philosophy 1.

Text Books: Plato: *Republic, Phaedo, Apology, Theaetetus*. Rogers: *Student's History of Philosophy*. Taylor: *Aristotle on his Predecessors*.

3. **Ethics.**—(1925-26). *Tuesday and Thursday, 9-10 a. m.*

Pre-requisite.—Philosophy 1.

Text Books: Plato: *Republic, I-IV*. Butler: *Sermons*. Mackenzie: *Manual of Ethics*. Mill: *Utilitarianism*. Sidgwick: *History of Ethics*. Reference will also be made to Rashdall: *The Theory of Good and Evil*, and to Moore: *Principia Ethica*.

4. **History of Moral Ideas.**—(1926-27). *Monday and Wednesday, 3.30-4.30 p. m.*

Pre-requisite.—Philosophy 1.

Text Book: Lecky: *History of European Morals*. Reference will frequently be made to Westermarck: *Origin and Development of the Moral Ideas*.

5. **Metaphysics.**—(1926-27). *Tuesday and Thursday, 10-11 a. m.*

Pre-requisite.—Philosophy 1.

Text Book: Taylor: *Elements of Metaphysics*.6. **History of Philosophy from Bacon.**—(1926-27). *Tuesday and Thursday, 9-10 a. m.*

Pre-requisite.—Philosophy 1.

Text Books: Bacon: *Novum Organum*. Locke: *Essay on the Human Understanding*. Berkeley: *Dialogues*. Hoffding: *History of Philosophy*.

7. **British Philosophy in the Nineteenth Century.**—(1925-26). *Tuesday and Thursday, 10-11 a. m.*

Pre-requisite.—Philosophy 1.

Text Book: Merz: *Philosophy of the Nineteenth Century*.8. **Philosophic Ideas in Literature.**—(1925-26). *Monday and Wednesday, 10-11 a. m.*

Pre-requisite.—Philosophy 1.

The course will include a study of philosophic ideas in Tolstoy, Hardy, Anatole France, H. G. Wells, Ibsen, Morley, Frederic Harrison, Mrs. Humphry Ward, Rabindranath Tagore, Wilfrid Ward, George Meredith.

Psychology and Education.

Professor N. J. Symons.

9. **Experimental Psychology.**—(1926-27). *Monday and Wednesday, 9-10 a. m.*

Pre-requisite.—Philosophy 1.

Text Book: Langfeld and Allport: *Elementary Laboratory Course in Psychology*.

Simple apparatus will be used with a view to furnishing an experimental approach to the study of sensation, attention, the learning process and other aspects of the functioning of the organism. The class is intended primarily for those interested in acquiring a knowledge of experimental technique and methods.

10. **Social Psychology.**—(1925-26). *Monday and Wednesday, 9-10 a. m.*

Pre-requisite.—Philosophy I.

Text Books: McDougall: *The Group Mind*. Allport: *Social Psychology*.11. **Educational Psychology.**—(1925-26). *Tuesday and Thursday, 4.30-5.30 p. m.*

Pre-requisite.—Philosophy 1.

Text Book: Colvin: *The Learning Process*. Additional references for reading will be given in class. The course is designed to bring into prominence such aspects of theoretical and experimental psychology as have a bearing on the teacher's vocation. Reference will also be made to class room management and to intelligence tests.

12. **History of Education.**—(1926-27). *Monday and Wednesday, 4.30-5.30 p. m.*

Pre-requisite.—Philosophy 1.

Text Books: Cubberley: *History of Education*. *Readings in History of Education*.

The course is designed for those entering the teaching profession and gives a broad account of the doctrines of the great educators from Plato down to the present time.

13. **Dynamic Psychology.**—(1925-26). *Monday and Wednesday, 4.30-5.30 p. m.*

Pre-requisite.—Philosophy 1.

Text Books: Tansley: *The New Psychology and its Relation to Life*. Prince: *The Unconscious*.

A review of recent findings in the fields of abnormal psychology and psychopathology in so far as these have a bearing upon the working of the normal mind.

XIII. Mathematics.Professor Murray Macneill.
Assistant Professor F. H. Murray.1. **Elementary Mathematical Analysis.**—*Monday, Wednesday and Friday, 10-11 a. m.; or, Tuesday, Thursday and Saturday, 11-12 a. m.*

Pre-requisite.—Matriculation Algebra and Geometry.

For those who have not studied Trigonometry, Mathematics 1C is recommended.

Logarithms, Interest and Annuities, Probability, Binomial Theorem, Graphs, Maximum and minimum values, Theory of Equations, Solution of plane triangles, Trigonometric Equations and Identities, Proportional Geometry.

1C. Methods of Calculation.—Monday, Wednesday and Friday, 10-11 a. m.

Pre-requisite.—Matriculation Algebra and Geometry.

Formulas and the principles on which they are based, Logarithms. The Compound Interest Law. Progressions, Annuities, Amortization of Bonds, Indeterminate Equations, Permutations and Combinations, Probability, Approximations and Percentages of Error, Infinite Series, Graphical Representation of Statistics.

The class is primarily intended for Commerce students, but may be taken as the required class in Mathematics by those who do not intend to take Mathematics 2.

2. Analytic Geometry.—Tuesday and Thursday, 11-12 a. m.

Pre-requisite.—Mathematics 1, which may, however, be taken at the same time.

Text Book: Smith and Gale: *New Analytic Geometry.*

3. Infinitesimal Calculus.—Monday, Wednesday and Friday, 11-12 a. m.

Pre-requisite.—Mathematics 1 and 2.

Text Book: Granville: *Differential and Integral Calculus.*

4. Solid Geometry and Spherical Trigonometry. Analytic Geometry of three dimensions.—Tuesday and Thursday, 10-11 a. m.

Pre-requisite.—Mathematics 1 and 2. The latter may be taken at the same time.

Advanced Classes.

The courses in these classes are intended for those who wish to take mathematical work in the third or the fourth year in the ordinary course in Arts or Science. They are also intended to serve as courses introductory to the study of higher mathematics for those who may afterwards attend the graduate schools in the larger universities. Candidates for Honours in Mathematics are required to take four of these courses in class. Each class meets weekly throughout the year. Mathematics 3 and 4 are pre-requisite.

5. Advanced Calculus.—Topics in the treatises of Todhunter, Williamson, Harnack, Lamb and Gibson.

6. Plane and Solid Analytical Geometry.—Based on the treatises of Salmon and C. Smith.

7. Differential Equations.—Monday and Wednesday, 12-1 p. m. Murray's *Differential Equations*, with supplementary lectures.

8. Algebra.—Topics in Determinants, Theory of Equations, Quantics, Invariants, with lectures on Series and Functions of a real variable.

9. Projective Geometry.

XIV. Physics.

Professors... H. L. Bronson, (*Head of Dept.*), J. H. L. Johnstone.
Instructor..... Merle P. Colpitt.
MacGregor Fellow..... G. C. Laurence.

1. General Physics.—Lectures: Monday, Wednesday and Friday, 10-11 a. m. Laboratory: Two hours per week.

Pre-requisite.—Matriculation Mathematics and Physics.

The whole subject of Experimental Physics is taken up, the subjects treated being: Kinematics, Dynamics, Properties of Matter, Sound, Heat, Electricity and Magnetism, Light and other forms of Radiation. The lectures are illustrated by experiments and special attention is paid to the solution of problems, which must be submitted by all students for correction and criticism.

Two hours a week are devoted to laboratory work. The laboratory class is divided into three sections which meet on Monday and Wednesday 11 a. m.—1 p. m., and Friday 2.30—5.30 p. m. The experiments selected for the course are designed to acquaint the student with the methods and instruments used in physical measurement. They will also assist him in grasping that part of the subject which is taught in the lectures.

Text Book: Kimball: *College Physics.*

20. Light, Sound, X-Radiation and Radio-Activity.—Lectures: Monday and Wednesday, 9-10 a. m. Laboratory: Tuesday or Thursday, 9-12 a. m.

Pre-requisite.—Physics 1.

This course is primarily intended for second year students in Medicine and Dentistry and special attention will be given to those parts of the subject of interest to them. It may be elected by any students who are properly qualified.

2. Mechanics, Hydrostatics, Heat, Light and Sound.—Lectures: Monday, Wednesday and Friday, 12-1 p. m. Laboratory: Wednesday, 2.30-5.30 p. m., but other hours may be arranged.

Pre-requisite.—Mathematics 1; but it may, however, be taken at the same time.

Text Books: Franklin and MacNutt; *Mechanics; Heat; Light and Sound.*

3. Electricity and Magnetism.—Lectures: Tuesday and Thursday, 9-10 a. m. Laboratory: Monday, 2.30-5.30 p. m.

Pre-requisite.—Physics 2 and Mathematics 1.

Physics 2 and 3 are intended primarily for Engineering students, and for students desiring to take Honours in Mathematics or Physics. They are also recommended for students in Arts and Science who are interested in the subject and desire a more thorough grasp of it than can be obtained from Physics 1.

Text Books: Franklin and MacNutt: *Electricity and Magnetism.* Kimball: *College Physics.*

4. Thermodynamics.—Lectures and Laboratory.

Pre-requisite.—Mathematics 3, Physics 1 or 2.

Books Recommended: Planck: *Thermodynamics*. Lewis and Randall: *Thermodynamics*.**5. Light.**—Lectures and Laboratory.

Pre-requisite.—Mathematics 3, Physics 1 or 2.

Books Recommended: Schuster: *Theory of Optics*; Wood: *Physical Optics*.**6. Electricity and Magnetism.**—Lectures and Laboratory.

Pre-requisite.—Mathematics 3, Physics 1 or 3.

Books Recommended: Hutchinson: *Advanced Text Book of Electricity and Magnetism*; Thomson: *Elements of the Mathematical Theory of Electricity and Magnetism*; Franklin and Williamson: *Alternating Currents*.**10. Elementary Practical.**—*Six hours per week.*

Pre-requisite.—Physics 1, or its equivalent.

This course is a continuation of the experimental work of Physics 1, but is somewhat more difficult and in it more attention is paid to experimental methods. It is intended for Honour students in Chemistry and for those who desire a larger acquaintance with the experimental side of Physics than is to be obtained in Physics 1.

11. Advanced Practical.—*Six hours per week.*

Pre-requisite.—Physics 2 and 3.

The work of this class consists of the investigation of physical laws of a more complex kind than in Physics 2 and 3, and a greater degree of precision will be expected in the determinations made.

12. Research Course.—*At least ten hours per week.*

The work will consist of new investigations conducted by students who show sufficient ability and are otherwise qualified to undertake it

Physics Seminar and Journal Club.—*Tuesday, 5 p. m.*

Lectures on recent developments in Physics; presentation of papers by advanced students; reviews of current journals. All Honour and Graduate students are expected to attend.

Mathematical Physics.

Professor.....G. H. Henderson

13. Modern Physics.—2 hours Lectures and 1 Laboratory period.

Pre-requisite.—Two courses in Physics.

An introductory course, treating from the experimental side such topics as electrons, radioactivity, X-rays and the structure of matter.

Books Recommended: Crowther: *Ions, Electrons, etc.* Collateral reading.

14. Mechanics.

Pre-requisite.—Mathematics 3 and Physics 2.

A general course in statics and dynamics applied to particles and rigid bodies, conducted chiefly by problem work.

Books Recommended: Lamb: *Statics*. Lamb: *Dynamics*.

15. Advanced Mechanics.

Pre-requisite.—Physics 14 and Mathematics 7.

A continuation of the previous course.

16. Introduction to Mathematical Physics.—(1924-25).

Pre-requisite.—Mathematics 3 and Physics 6.

Vector analysis with application to physical problems; Fourier analysis and heat conduction; Theory of Errors; Dimensional analysis.

Books Recommended: Coffin: *Vector Analysis*. Byerly: *Fourier's Series*. Houston: *Introduction to Mathematical Physics*.

18. Quantum Theory and Relativity.

Pre-requisite.—Mathematics 7, Physics 4 and 14.

19. Advanced Electricity and Magnetism.

Pre-requisite.—Mathematics 7 and Physics 16.

Electrodynamics of the electron, electromagnetic radiation, electromagnetic theory of light. Solution of problems involving spherical and zonal harmonics, conjugate functions and Bessel's functions.

Book Recommended: Jeans: *Electricity and Magnetism*.

XV. Chemistry.

Research Professor (Head of Dept.).....D. McIntosh.
 Professor.....C. B. Nickerson.
 Assistant Professor.....H. S. King.
 Instructor.....E. W. Todd.
 Assistant.....Margaret McCurdy.

1. General Chemistry.—Lectures: *Monday, Wednesday and Friday, 9-10 a. m.* Laboratory: *Monday, 2.30-5.30 p. m.*

Pre-requisites.—Matriculation Algebra, Chemistry, and English.

Phenomena leading to the fundamental laws of combination are first presented, as far as possible in historical order, and thereafter the atomic theory, Avogadro's hypothesis, and the forma-

tion of equations. The chief non-metallic elements are then studied somewhat in detail, and the more important metals more briefly. The elements of Physical and Organic Chemistry are also introduced. Written class exercises are held regularly.

Books Recommended: McPherson and Henderson: *A Course in General Chemistry, Second Edition*. Smith and Kendall: *College Chemistry*. For occasional reading, Lassar-Cohn: *Chemistry in Daily Life*. Alembic Club Reprints. Bird: *Modern Science Reader*.

1A. General Chemistry.—Lectures: Monday, Wednesday and Friday, 9-10 a. m. Laboratory: Tuesday and Thursday, 2.30-5 p. m.

Pre-requisites.—Matriculation Algebra and Chemistry.

The Laboratory work of this course is that of Chemistry 1 with two and one-half additional hours per week, part of which is spent in a preliminary course in qualitative analysis.

2. Advanced Inorganic Chemistry and Qualitative Analysis.—Lecture: Saturday, 9-10 a. m. Laboratory: Tuesday and Thursday, 2.30-5.00 p. m.

Pre-requisite.—Chemistry 1 or 1A.

Lectures: The theory and application of such subjects as ionization, the mass law and electromotive potentials are discussed. The metals and their compounds are studied and several lectures are devoted to the more recent theories of atomic and molecular structure.

Laboratory: The detection of the more common basic and acidic ions and the analysis of unknown mixtures and commercial products. The preparation of certain inorganic compounds of theoretical interest.

This course is especially intended for students who contemplate further work in Chemistry or Physics and is not offered to students who are registered in Medicine or Dentistry.

Books Recommended: McPherson and Henderson: *A Course in General Chemistry*. Smith and Kendall: *Inorganic Chemistry*. Talbot and Blanchard: *Electrolytic Dissociation Theory*. Noyes: *Qualitative Chemical Analysis*.

4. Organic Chemistry.—Lectures; Monday and Wednesday, 10-11 a. m. Laboratory: Saturday, 10-1 p. m.

Pre-requisite.—Chemistry 1 or 1A.

Lectures: A study of the compounds of carbon. Until Christmas, the lectures will deal with methane and ethane and their simple derivatives.

Laboratory: Qualitative analysis of organic compounds. The laboratory methods of organic chemistry. The preparation and examination of the properties of typical aliphatic and aromatic compounds.

Books Recommended: Remsen and Orndorff: *Organic Chemistry*. Perkin and Kipping: *Organic Chemistry*.

Advanced Classes.

These classes are especially intended for candidates for Honours in Chemistry; but any student who has passed in Chemistry 2 and 4 with Distinction may be admitted. Of these classes, Chemistry 5 and Chemistry 8 are given in alternate years.

5. History of Chemical Theory.—(1925-26). Twice a week. The development of chemical theory from the time of Boyle.

Books Recommended: Armitage: *History of Chemistry*. Roscoe: *Dalton and the Rise of Modern Chemistry*. Shenstone: *Justus von Liebig*. Thorpe: *Essays on Historical Chemistry*. Schorlemmer: *Rise and Progress of Organic Chemistry*. Stewart: *Recent Advances in Organic Chemistry*. Lachman: *Spirit of Organic Chemistry*. Selected Memoirs from the Alembic Club Reprints and Ostwald's *Klassiker*. For Reference: Von Meyer: *History of Chemistry*.

6. Physical Chemistry.—Lectures: Tuesday and Thursday, 9-10 a. m. Laboratory: Saturday, 9-10 a. m. and three additional hours.

Pre-requisite.—Chemistry 2.

General Physical Chemistry including the constitution of matter and compounds; the chemistry of the radio-active elements, the kinetic theory of gases; the theories of solution and of electrolytic dissociation. Laboratory.—Four hours per week.

Books Recommended: Walker: *An Introduction to Physical Chemistry*. Findlay: *Practical Physical Chemistry*. Ostwald: *Principles of Inorganic Chemistry and Outlines of General Chemistry*. Washburn: *Physical Chemistry*.

7. Quantitative Analysis.—Lecture: Wednesday, 9-10 a. m.

Pre-requisite; Chemistry 2.

Lectures on the general principles of quantitative analysis, and nine hours of laboratory work each week.

Text Book: Talbot: *Elementary Quantitative Analysis*.

8. Modern Theories of Chemistry. (1926-27). Two lectures a week during the First Term. (b) **Electrochemistry.**—Two lectures a week during the second term.

Pre-requisite; Chemistry 2 and 4.

Books Recommended: Lewis: *Valency*. Thompson: *The Electron in Chemistry*. Aston: *Isotopes*. Bragg: *X-Ray Spectroscopy*. LeBlanc: *Electrochemistry*. Creighton and Fink: *Electro-Chemistry*. Thomson: *Applied Electro-Chemistry*. Stansfield: *The Electric Furnace*.

9. Advanced Quantitative Analysis.—One lecture and 9 hours laboratory work per week.

Pre-requisite —Chemistry 4 and 7.

Students may take one of the following courses:
(a) Advanced Inorganic Analysis. Special methods including gas analysis.

(b) Food and Drug Analysis.

Books Recommended: Fay: *An Advanced Course in Quantitative Analysis*. Blair: *The Chemical Analysis of Iron and Steel*. Ibbotson: *Steel Works Material*. Demorest: *Quantitative Analysis*. Washington: *The Analysis of Silicate Rocks*. Woodman: *Food Analysis*. *Bulletins of the U. S. Department of Agriculture*.

10. **Advanced Organic Chemistry.**—One lecture and nine hours laboratory per week.

Pre-requisite.—Chemistry 4.

Books Recommended: Holleman: *Organic Chemistry*. Cohen: *Organic Chemistry*.

11. **Research.**—The work of this class will consist of original investigation conducted by students who have shown themselves qualified to undertake it.**XVI. Geology and Mineralogy.**

Assistant Professor..... D. S. McIntosh.

1. **General Geology.**—Lectures: Monday, Wednesday and Friday, 10-11 a. m. Excursions and Laboratory: Tuesday and Friday afternoons. (One afternoon a week is the full requirement).

Pre-requisite.—Matriculation Chemistry.

The lectures will consist of a general survey of the whole field of Geology. A large part of the time will be devoted to Dynamical and Structural Geology. Historical Geology will deal mainly with the North American Continent, tracing its development, and that of life upon it, from early times to the present day.

During the early part of the First Term excursions will be made to points of interest around Halifax on Tuesday or Friday afternoons. This will be succeeded by laboratory work of three hours on these afternoons during the rest of the session.

This course is elective for candidates in Arts and Science.

It is also the course for candidates in engineering who require Geology as one of their subjects.

Text Books: Pirsson and Schuchert: *Introductory Geology*. Reference Books: Chamberlain and Salisbury: *Geology*. Geikie: *Geology*. Pirsson and Schuchert: *Text Book of Geology*. Young and Brock: *Geology and Economic Minerals of Canada*.

2. **Canadian Geology.**—Lectures: Tuesday and Thursday, 10-11 a. m. Laboratory: Three hours per week.

Pre-requisite.—Geology 1.

This course deals with the Geology of Canada—physical, historical and economic.

Reference Books: Coleman and Parks: *Elementary Geology*. Young and Brock: *Geology and Economic Minerals of Canada*. C. G. S. Reports.

3. **Mineralogy and Petrography.**—(1925-26). Lectures: Two hours per week. Laboratory: Chiefly microscopical. One afternoon per week.

Pre-requisites.—Chemistry 1 and Geology 1 (the latter, however, may be taken in the same year).

This course will embrace crystallography, the rock-forming minerals, and the classification and description of rocks.

Reference Books: W. S. Bayley: *Elementary Crystallography*. Pirsson: *Rocks and Rock Minerals*. Harker: *Petrology for Students*.

4. **Mineralogy and Economic Geology.**—(1926-27). Lectures: Two hours per week. Laboratory: Three hours per week.

Pre-requisites—As in Geology 3.

The mineralogy of this course will supplement that of Geology 3 by a description and determination of minerals by their physical properties and systematic blow-pipe analysis. The nature, mode of occurrence and distribution of the economic minerals will also be dealt with.

Reference Books: Dana: *A Text Book of Mineralogy*. Brush and Penfield: *Determinative Mineralogy and Blow-pipe Analysis*. Lindgren: *Mineral Deposits*. Kemp: *Ore Deposits of the United States and Canada*.

10. **Economic Geography.**—Tuesday, Thursday and Saturday, 11-12 a. m.

This class cannot be offered as one of the imperative Science classes for the Arts degree.

Erosion and the development of land forms; shoreline and harbours; the factors that influence climate; regional vegetation; natural resources; the human factor; transportation; trade routes; density of population.

Text Books: T. C. Hopkins: *Elements of Physical Geography*. Whitbeck and Finch: *Economic Geography*.

Reference Book: Gregory, Kellar and Bishop: *Physical and Commercial Geography*. J. Russell Smith: *Commerce and Industry*.

Advanced Courses.

One at least of these courses will be given each year, if there is sufficient demand.

5. **Palaeontology.**—Class and laboratory work one afternoon per week.

Pre-requisite.—Geology 1; Biology 2 and 3.

Typical fossils of the various formations will be studied.

Reference Book: Zittel: *Text Book of Palaeontology*.

6. **Practical Geology.**—One lecture per week, with field work during the open season.

Pre-requisite.—Geology 1.

This course will deal with problems in structural geology, with geological and magnetic surveys.

7. Geological Chemistry.—Lecture, one hour per week. Laboratory, six hours per week.

Pre-requisites.—Geology 3 and 4, Chemistry 7.

The lectures will embrace the application of chemistry to geological problems. The laboratory course will deal with minerals and rock analysis.

XVII. Biology.

1. General Biology.—Lectures: Tuesday and Thursday, 2.30—3.30 p.m. Laboratory: Tuesday and Thursday, 3.30—5.30 p.m.

Pre-requisite.—Matriculation Physics or Chemistry.

This class, conducted jointly by the instructing staff in Zoology and Botany, is intended primarily for Arts and Science students. Along with Zoology 3 it can be offered in place of Biology 1A, by students in Medicine or Dentistry. The aim of the course is to acquaint the student with some of the more important biological facts and theories and to serve as an introduction to biological methods.

Text Books: Hegner: *Introduction to Zoology*. Holmes: *Biology of the Frog*. Ganong: *Text Book of Botany*.
References: Parker and Haswell: *Text Book of Zoology* (2 Vols.). Shull: *Principles of Animal Biology*. Goodrich: *Living Organisms*.

Zoology.

Associate Professor J. Nelson Gowanloch
Student Assistant Robert C. Robb

Zoology 2. Invertebrate Zoology.—(1926-27). Lectures: Two hours per week. Laboratory: Four hours per week.

Pre-requisite.—Biology I or IA.

This course provides a study of invertebrate types together with some experimental investigation of their reactions. At least five half-day field-trips will be arranged.

Text Book: Parker and Haswell, Vol. I.
References: Lankester: *Treatise of Zoology*. Shelford: *Animal Communities in Temperate America*. Pratt: *Manual of Common Invertebrate Animals*.

Zoology 3. Comparative Vertebrate Anatomy.—(1925-26).
Lectures: Monday and Wednesday, 2.30-3.30 p. m. Laboratory: Monday and Wednesday, 3.30-6.00 p. m.

Pre-requisite.—Biology 1 or 1A.

This course covers general principles of the comparative anatomy of vertebrate animals, together with the dissection of a series of types.

Text Books: Davidson: *Mammalian Anatomy* (4th ed.). Hyman: *Laboratory Manual for Comparative Vertebrate Zoology*.
References: Parker and Haswell: *Text Book of Zoology* Vol. 2. Reighard and Jennings: *Anatomy of the Cat*.

Zoology 4. Variation, Evolution and Genetics.—(1925-26).
Lectures: Three hours per week, to be arranged.

Pre-requisites.—Two courses in Biological Science.

This course, which is conducted on the seminar plan, provides for the study of these fields with especial reference to modern developments and applications.

Zoology 5. Marine Zoology.—(1926-27). Lectures: Two hours per week. Laboratory: Four hours per week, together with field trips.

This course is designed to serve as an introduction to some of the facts and methods of zoology as applied to marine problems. Experimental work and surveys of operations in fish hatcheries and sea-fisheries, collection and identification of local marine forms will constitute the practical work. This course is primarily designed for students who will proceed to original investigations on sea-life, in its economic aspects.

Zoology 6. Zoological Seminar. (For advanced students only)
Lectures: Two hours per week. Special meetings by arrangement.

This course provides for the study of recent zoological problems by the seminar method.

Zoology 7. Research Course. At least ten hours per week.

The work consists of original investigations carried out by properly equipped students who have shown themselves capable of conducting critical experimental studies.

Botany.

Associate Professor H. P. Bell.
Assistant

2. Cryptogamic Botany.—Lectures: Monday and Wednesday, 2.30-3.30 p. m. Laboratory: Monday and Wednesday, 3.30-5.30 p. m.

Pre-requisite.—Biology 1 or 1A.

An introductory course in the slime moulds, fungi, algae, liverworts, mosses, ferns and fern allies.

3. Phanerogamic Botany.—(1925-26). Lectures: Monday and Wednesday, 2.30-3.30 p. m. Laboratory: Monday and Wednesday, 3.30-5.30 p. m.

Pre-requisite.—Biology 1 or 1A.

An introductory course in the conifers, conifer allies, and flowering plants. This course is adapted to the needs of those who intend to teach in the public schools.

Faculty of Arts and Science.

4. **Mycology.**—*Lectures: Two hours per week. Laboratory: Four hours per week.*

Pre-requisite.—Botany 3 or 4.

Special attention is given to those forms of fungi which cause plant diseases.

5. **Algology.**—*Lectures: Two hours per week. Laboratory: Four hours per week.*

Pre-requisite.—Botany 3 or 4.

Special attention is given to the marine forms found in the vicinity of Halifax. Before credit will be given for this course the student must present an original collection of at least twenty-five species properly identified and mounted.

6. **Biological Laboratory Technique.**—*Lectures: One hour per week. Laboratory: Ten hours per week.*

Pre-requisite.—Biology 1 or 1A.

Text Book: Chamberlain: "Methods in Plant Histology."
Reference: Lee: "The Microtologist's Vade-Mecum".

7. **Botanical Seminar.**—*Lecture: One hour per week. Special meetings and laboratory work arranged as required. (For advanced students only).*

This course includes a study of recent botanical literature, and an investigation of special problems may be undertaken by qualified students.

Histology and Embryology.

The classes in Histology and Embryology given in the Medical Faculty may be selected as electives for the Arts or Science degrees by those who offer a group of four classes in Biology, and for that purpose they are regarded as classes in Biology.

XVIII. Physiology.

Professor.....Bois Babkin.
Assistant.....N. B. Dreyer.

- 1B. **General Physiology.**—*Wednesday, Friday, and Saturday, 9-10 a. m.*

Some knowledge of Elementary Chemistry, Physics and Biology is pre-supposed; and the student should also, preferably, have some acquaintance with human anatomy. This class cannot be offered for a degree in Medicine.

XIX. Anatomy.

The classes in Anatomy conducted by the Faculty of Medicine are recognized as qualifying for a degree in Arts or Science, when offered by a student taking the affiliated course in Medicine.

Courses of Instruction.

Undergraduates who have taken these classes as part of their course are required to present certificates of having passed the examinations conducted by the Faculty of Medicine.

XX. Music.

Lecturer.....H. Dean.

The following elective classes in Music may be offered for the degree of Bachelor of Arts.

Music I—(1926-27).—**Harmony and Counterpoint:** *Tuesdays and Thursdays, 2-4 p. m.*

Music II.—(1925-26): **History of Music:** *Tuesdays and Thursdays, 2-4 p. m.*
Appreciation of Music and Analysis of Musical Form.

In addition to the above electives for the Arts degree the classes in the Theory of Music and History of Music conducted in the Halifax Conservatory of Music are recognized as qualifying for the degree of Bachelor of Music. In the Theory, the course extends over three years; in the History, over two. Information as to details of subjects studied in the classes, fees, text-books, etc., may be obtained on application to the Director of the Conservatory, Mr. Harry Dean.

ENGINEERING COURSES.

Professor.....W. P. Copp.
Assistant Professor.....H. R. Theakston.

XXI. Mechanics.

2. **Advanced.**—*Monday, Wednesday and Friday, 9-10 a. m., Second Term.*

Pre-requisites.—Physics 2; Mathematics 1, 2 and 3 (the latter however, may be taken simultaneously).

This course is intended for Engineering students, but can be offered for a degree in Arts and Science. It deals with statics and dynamics of a particle and of a rigid body, the application of the calculus in considering the motion of a particle under varying force, simple harmonic motion, oscillation of springs and pendulums, etc. Moment of Inertia of Areas and of Masses Work, Energy and Power, etc. The course is illustrated by practical problems.

Text Books: Poorman: *Applied Mechanics.* Morley: *Mechanics for Engineers.*

3. **Graphical Statics.**—*Monday, Wednesday and Friday, 9-10 a. m., First Term. Wednesday, 2.30-5.30 p. m., throughout the Session.*

Pre-requisites.—Drawing 1 and Physics 2.

The work includes the composition of forces, use of funicular and force polygons, determination of reactions, centres of gravity, bending moments and moments of resistance, stresses in cranes, braced towers, roof trusses, and bridge trusses. Shearing force and bending moment diagrams.

Text Book: Malcolm: *Graphical Statics*.

4. Mechanics of Machines.—Tuesday, 11-12 a. m., Monday, Wednesday and Friday, 12 a. m.-1 p. m.

Pre-requisites.—Drawing 1, Physics 2, Mathematics 1, 2 and 3 (the latter, however, may be taken simultaneously).

Kinematics: The work includes constrained motion, kinematic pairing, velocity and acceleration in mechanism, analysis of simple mechanisms, including the quadric crank chain, slider crank chain and various wheel trains, and the design of involute and cycloidal gear-teeth and chains.

Dynamics: A brief discussion of work and power: the power and turning effort of prime movers; the inertia and kinetic energy of revolving and reciprocating parts of machines.

5. Materials of Construction.—Thursday, 11-12 a. m.

The work includes the manufacture and properties of cast iron, wrought iron, crucible, bessemer and open hearth steel; principal alloys; manufacture and properties of Portland and natural cements; limes; concrete; stone and brick masonry; timber; preservation of timber; standard specifications.

Text Book: Moore: *Materials of Engineering*.

XXII. Surveying.

This course includes all of the following, which must be taken during the same session.

(a) *Lectures:* Monday and Wednesday, 10-11 a. m.

Pre-requisites.—Drawing 1 and Mathematics 1 and 2.

Instruction is given in the use and adjustment of the various surveying instruments, also in plane land surveying by chain, compass, transit and level; contour surveying; stadia surveying; topographical surveying, etc.; railway circular curves; land systems of the Dominion and Provinces.

Text Book: Breed & Hosmer: *Plane Surveying*.

(b) *Surveying Field Work.* About three weeks immediately preceding the opening of the sessional lectures, and Tuesday and Thursday 2.30-5.30 p. m., of the First Term are devoted to practical surveying field work. The course embraces problems in chaining, transit and compass surveying, levelling etc. This part of the course is carried on in a United Surveying Camp, conducted under the auspices of the Nova Scotia Technical College in the grounds

of the Agricultural College, Truro. In addition a detail transit and tape survey is made of the Studley property of the University.

(c) *Mapping.* Tuesday and Thursday, 2.30-5.30 p. m., Second Term.

Drafting from field notes of chain and angular surveys; particularly emphasizing the Studley property survey, the map for which is very carefully drafted and tinted with water colours; Drafting of various survey problems assigned from time to time.

XXIII. Drawing.

1. Engineering Drawing.—Lectures: Tuesday and Thursday, 9-10 a. m. Laboratory: Monday and Friday, 2.30-5.30 p. m.

This course is required of all Engineering students. It deals with freehand lettering; object drawing; geometrical exercises; detail and assembly drawings; tracings of simple machines; sketching, blueprinting, graphs and wash drawings.

Text Book: French: *Engineering Drawing*.

1B. Engineering Drawing. Lectures: Tuesday and Thursday, 9-10 a. m. Laboratory: Monday, 2.30-5.30 p. m.

This course or Drawing 1 is required of all students proceeding to the Degree of B. Sc. It is a modification of Drawing 1 and in addition deals with perspective, and pseudo-perspective. Special emphasis is given to free hand sketching.

Text Book: French: *Engineering Drawing*.

2. Descriptive Geometry.—Saturday, 9 a. m.-1 p. m.

The work includes the projection of lines, plane figures and solids, problems on the relations of straight lines and planes in space, intersections and developments, surfaces of revolution, perspective. The course aims not only to develop the power to visualize magnitudes involving three dimensions, but also to point out practical applications to engineering work, with practical problems applying the theory.

Text Book: Smith: *Practical Descriptive Geometry*.

3. Advanced Engineering Drawing.—Friday, 2.30-5.30 p. m.

Pre-requisite.—Drawing 1 and 2.

This course is required of all Engineering students and is divided into three parts: (a) October-November—Elementary structural drawing, aiming to familiarize the student with structural steel shapes and the detail connections for same. (b) December-January-February—Detail drawings and tracings of more difficult machine parts. (c) March-April advanced descriptive geometry and its application to more difficult architectural, sheet metal, piping and mining problems.

Lectures are given during the course dealing with draughting room methods and explanation of design and problems.

Reference Books: French: *Engineering Drawing*. Smith: *Practical Descriptive Geometry*. Cutter: *Descriptive Geometry*. Bishop: *Structural Drafting, Camera Steel Handbook*.

XXIV. Shop Work.

A course of about three weeks duration immediately preceding the regular sessional lectures, is given by the Nova Scotia Technical College in its own workshops. The course includes chipping, filing, and scraping; machining a surface block; various kinds of work on drilling machines; grinding of drills; instruction in cutting speeds and rates of feed; tapping and threading and problems connected therewith; engine lathe work etc.; various problems assigned at the discretion of the instructor suited to the individual ability of the student.

XXV. Commerce.

Professor.....Bishop C. Hunt.
Lecturers in Commercial Law....

Lecturer in Accounting.....

1. **Elementary Accounting.**—Monday, Wednesday and Friday, 2.30-3.30 p. m.

Fundamental principles, theory and practice of debit and credit; functions and classification of accounts; columnar books of original record; supporting information; proprietorship; controlling accounts; entries to open, adjust and close; preparation of financial statements; single entry; elementary problems.

Text Books: Kester: *Accounting Theory and Practice*, Vol. I, 2nd Edition and Practice Data. Rittenhouse and Percy: *Accounting Problems—Elementary*.

2. **Intermediate Accounting.**—Monday, Wednesday and Friday, 11-12 a. m.

Pre-requisite.—Elementary Accounting.

Accounting as an instrument of business control. Theory and practice of the technical phases of mercantile accounting; Advanced methods of recording and handling sales, purchases, receipts and disbursements; the voucher system, columnar control; the functions and adjustment of partnership accounts; of corporation accounts; stock and bond issues, bond interest and discount, surplus and reserves, sinking funds; aspects and methods of providing for depreciation; investments; intangible assets. The problem of valuation. The preparation, analysis and interpretation of the financial statements of mercantile and manufacturing concerns; readings in accounting theory; the solution of a variety of problems.

Text Books: Kester: *Accounting Theory and Practice*, Vol. II and Practice Data Rittenhouse and Percy: *Accounting Problems—Intermediate*.

Reference will be had to Bennett: *Corporation Accounting*. Hatfield: *Modern Accounting*. Dickinson: *Accounting Practice and Procedure*. Spicer and Pegler: *Auditing*.

3. **Advanced Accounting Problems.**—(1926-7). Three hours per week.

Pre-requisite.—Intermediate Accounting.

1. Auditing, theory and practice; investigations; classes, purposes and methods.

2. **Fiduciary Accounting.** The preparation of trust and estate accounts; a wide range of problems in Theory and Practice.

Reference books: Spicer and Pegler: *Auditing*. Hoskins: *Joint Stock Companies*. Dickinson: *Accounting Practice and Procedure*. Montgomery: *Auditing, Theory and Practice*.

4. **Marketing and Distribution.**—Tuesday and Thursday, 9-10 a. m.

Pre-requisite.—Economics 1.

A study of the processes, channels and problems of market distribution.

I. The marketing of raw materials and semi-manufactured products for wholesale consumption; trade channels; position and functions of various types of middleman; the problems of transportation, financing, insurance, storage and speculation; sources of market information; investigation of the more important raw materials to illustrate principles.

II. The methods of marketing manufactured goods for retail distribution; middlemen in the manufacturer's market; economics of retailing; types of retail stores, competitive advantages and disadvantages; advertising as a business force; price policies; sales under brand; merchandising costs; critique of the present marketing system; problems.

Text Books: Macklin: *Efficient Marketing for Agriculture*. Clark: *Principles of Marketing*. Copeland: *Marketing Problems*.

Readings from Cherington: *Advertising as a Business Force*. Nystrom: *Economics of Retailing*. Marshall: *Industry and Trade*. Shaw: *An Approach to Building Problems*.

5. **Business Correspondence.**—(1925-26). Friday, 9-10 a. m.

Pre-requisites.—English 2.

A study of the various types of business letters, their form and methods of expression; routine-buying, collection, adjustment, circular, sales and application letters; the preparation of reports and outlines; mailing lists; handling correspondence; the language of advertising; the problem of effective business communication.

Gardner: *Effective Business Letters*. Hall: *Writing an Advertisement*.

6. **Business Organization and Management.**—(1925-26). Monday and Wednesday, 9-10 a. m.

Pre-requisites.—Economics 1 and Commerce 1.

I. The evolution of industry based on methods of production; organization from the standpoints of association and ownership; the form of the business unit; the partnership, corporation and corporation combination; advantages and disadvantages; tests of efficiency.

II. The theory of industrial and plant location, equipment and development; types of internal organization for purposes of control; the administration of production; methods of modern business management; the Taylor system of scientific management; the administration of personnel; the human equation in business; executive co-ordination; accounting and statistics as instruments of business control.

Text Books: Marshall: *Business Administration*. Reference to Jones: *Administration of Industrial Enterprises*. Taylor: *Principles of Scientific Management*. Shaw: *An Approach to Business Problems*. Schell: *Technique of Executive Control*. Marshall: *Industry and Trade*.

7. Corporation Finance and Investments.—(1926-27). *Monday, Wednesday and Friday 9-10 a. m.*

Pre-requisite.—Economics I, Commerce 2.

I. Types and varieties of securities; promotion—the promoter, investment banker, underwriting syndicate, sale of securities to the public, financial plans; problems of financial administration; accounting and dividend policies; expansion—industrial combinations, the sale of notes, bonds and securities, railroad and public utility finance; failure and reorganization.

II. An analysis of types of investments and their suitability for different persons and institutions; investments and the business cycle.

Text Books: Dewing: *Corporation Finance*. Lincoln: *Problems of Business Finance*. Lagerquist: *Investment Analysis*.

Reference will be had to: Dewing: *Financial Policy of Corporations and Corporate Problems and Reorganizations*. Gerstenberg: *Financial Organization*.

8. Commercial Law (1926-7).

General principles of business law, including the law of contracts, sales and agency. Elements of jurisprudence.

The law of negotiable instruments; partnerships and corporations; torts; real property; liens; bankruptcy; the Bank Act. Lectures and assigned readings.

Reference: Cockle and Hibbert: *Cases on the Common Law*. Topham: *Company Law*.

9. Foreign Trade—(1925-26). *Tuesday and Thursday, 10-11 a. m.*

Pre-requisite.—Economics I; Commerce 4.

I. The principles underlying the development of international commerce; geographic, economic and social factors; foreign exchange.

II. The technical aspects of merchandising Canadian goods in overseas markets and of importing from abroad; market analysis.

III. Ocean transportation; the business of shipping and its organization; freight rates; marine insurance; trade routes; port and harbour facilities; government aid, mercantile marine policies and subsidies.

Text Books: Taussig: *Selected Readings in International Trade*. Furniss: *Foreign Exchange*. Wyman: *Export Merchandising*. Tosdal: *Problems of Export Sales Management*. DeHaas: *Foreign Trade Organization*.

10. Railroad Transportation.—(1926-7).

The principles of railroad transportation; development and operation of the Canadian systems; administrative organization; rates and rate making; problems of the shipper, the traffic department.

11. Advanced Market Organization and Problems.

An analysis of problems of selling policy; the sales organization, development and relation to other departments; market analysis; functions and principles of advertising and selling; preparation and execution of sales campaigns.

Text Books: Assigned Reading and Exercises. Extracts from Copeland: *Marketing Problems*. Tosdal: *Problems of Sales Management*. David: *Problems of Retailing*. Tipper and Hotchkiss: *Principles of Advertising*. Whitehead: *Principles of Salesmanship*. Hoyt: *Scientific Sales Management*.