

# ADVANCE SHEETS

## FROM THE CALENDAR

# DALHOUSIE UNIVERSITY

## UNIVERSITY ALMANAC, 1919-1920.

1919.

- Sept. 19 W.—Last day for receiving applications\* for Supplementary Examinations.
- 20 Tu.—Last day for receiving applications\* for Matriculation (and Scholarship) Examinations.
- 24 W.—Session Begins. Supplementary Examinations† begin. Matriculation (and Scholarship) Examinations begin.  
9—12 a. m., Latin, German.\*\*  
3—4 p. m., English.
- 25 Th.—9—12 a. m., French; Greek.\*\*  
3—4 p. m., Physics.
- 26 F.—9—12 a. m., Geometry.  
3—4 p. m., Chemistry.
- 27 S.—9—12 a. m., Algebra.  
3—4 p. m., Trigonometry, History.\*\*
- 29 M.—10 a. m., Registration (and Payment of Fees) begins. **Having students must register on this day.**
- 30 Tu.—Last Regular Registration† (and payment of fees) Day. Results of Matriculation and Supplementary examinations declared.  
5 p. m., Meeting of Faculty of Arts and Science.<sup>††</sup>
- Oct. 1 W.—9 a. m., Lectures begin.  
5 p. m., Meeting of Faculty of Medicine.
- 4 S.—Last Registration Day.
- 8 W.—Instruction as to elective subjects to be made on or before this day in Arts and Science Faculty.
- 15 W.—Returns as to residence and church attendance to be made on or before this day.
- M.—Thanksgiving Day. No Lectures.
- Dec. 12 F.—Last day for receiving applications\* for Special Examinations in Arts and Science Faculty.
- 16 Tu.—Last day of lectures in classes wherein Christmas examinations are held.
- 17 W.—Christmas Examinations† begin.
- 20 S.—Last day of lectures.
- 22 M.—9 a. m., Christmas vacation begins.

1920.

- Jan. 5 M.—9 a. m., Lectures resumed. Special Examinations† in Arts and Science Faculty begin.
- Mar. 1 M.—Last day for receiving those for Master's degree.
- 24 F.—Last day for receiving Applications\* for Examinations for Master's degree and for Music and Pharmacy.
- Apr. 2 F.—Good Friday. No Lectures.
- 12 M.—Last day for receiving Applications\* for Spring Supplementary Examinations, and for payment of annual Examination Fees in Medicine and Dentistry.
- 15 F.—Last day of Lectures in Arts and Science and Law.
- 17 S.—Spring Examinations† begin in Arts and Science, Law, and in the Physics, Chemistry and Biology of Medicine and Dentistry.
- May 3 M.—11 a. m., Meeting of Faculty of Arts and Science.  
4 p. m., Meeting of Faculty of Law.
- 4 Tu.—11 a. m., Meeting of Senate.
- 4 W.—11 a. m., Meeting of Senate.  
Results of Examinations declared.
- 6 Th.—8 p. m., Convocation for Arts and Science and Law.
- 14 F.—Last day of Lectures in Medicine and Dentistry.
- 17 M.—Spring Examinations in Medicine and Dentistry begin.
- 24 M.—8 p. m., Meeting of Faculty of Dentistry.
- 25 Tu.—8 p. m., Meeting of Faculty of Medicine.
- 26 W.—12 a. m., Meeting of Senate. Results of Examinations declared.
- 27 Th.—Convocation for Medicine and Dentistry.

\*For most necessary applications for examinations.

†† In case of conflict of examinations arrangements will be made for changes to be made to all candidates.  
see table on Notice Board.  
see too for late Registration.

## ADMISSION.

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

No person under sixteen years of age is admitted to any class.

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

**Graduate Students** are students who hold a Bachelor's degree in Arts or Science and are pursuing a course in Arts or Science for a Master's degree.

**Undergraduates** are students who have completed Matriculation and are candidates for a Bachelor's degree in Arts or Science or a degree in a professional course. They are admitted to all classes of the first year of their course, except in Law. For details of the extra requirement of a year in Arts before admission to the course in Law see p. 7.

**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. The requirements in the various faculties are as follows:—In the faculty of Arts and Science a Matriculant is one who has passed in English and in at least three other Matriculation subjects. In the faculty of Dentistry a Matriculant is one who has five Matriculation subjects to his credit; and in the faculty of Medicine one who has six Matriculation subjects to his credit including English, Physics, Chemistry and the two mathematical subjects, and has made at least 30% in Latin. The regulations concerning the classes which a Matriculant may attend will be found under the requirements of each Faculty.

**Special Students** are all 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 admis-

sion 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 acquirements 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.

All candidates for a degree must satisfy the requirements for Matriculation, either by passing the Matriculation examinations of this 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. 24th to 27th, 1919. For the timetable of the examinations see the University Almanac.

No fee is charged for a matriculation examination except to students who have entered on their second year of attendance. (See foot-note to p. ).

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 1919-20 is Tuesday, Sept. 23rd, 1919. Applications for examination at an outside centre should be made one month earlier.*

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

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

## Subjects for each degree.

**For the B. A., Ph. B. and LL. B. degrees:**—(1) English, (2) British History or Ancient History, (3) Algebra, (4) Geometry, (5) Latin or Greek, (6) another foreign language, (7) and (8) any two, not already chosen, of British History, Ancient History, Trigonometry, another foreign language, Physics, Chemistry.

**For the B. Sc. and B. Mus. degrees:**—(1) English, (2) British History or Ancient History, (3) Algebra,

(4) Geometry, (5) French, (6) German, (7) and (8) any two, not already chosen, of British History, Ancient History, Trigonometry, another foreign language, Physics, Chemistry. (For the requirements for the Engineering course see p. 11).

For the M. D., C. M. degrees:—(1) English, (2) British History, (3) Algebra, (4) Geometry, (5) Latin, (6) another foreign language, (7) Physics, (8) Chemistry.

For the D. D. S. degree:—(1) English, (2) British History, (3) Algebra, (4) Geometry, (5) Latin, (6) another foreign language, or Physics and Chemistry.

For 1920-21 Physics and Chemistry will be compulsory.

#### 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*, *Susan Johnson*; Shakespeare: *Merchant of Venice*, *Julius Caesar*; Longfellow: *Evangelist*; Scott: *The Lady of the Lake*; Stevenson: *Kilnspuff*.

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 *Harroome: 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 degree, 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 formulas 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, accident and elementary syntax; (4) translation of easy sentences from English into Latin.

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

**Greek.**—As under Latin.

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

**French.**—Berthon: *Specimens of Modern French Prose* (Macmillan), omitting IV, VI, IX, XI; *Ontario High School French Grammar*, to the end of Lesson LXXXIII; questions in grammar as in Fraser and Squair's *French Grammar* to the end of section 944, with exercises; easy sight translation from French into English and from English into French.

**German.**—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.

**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 Twist's *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 1919-20 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 (except in the case of candidates for the Entrance Scholarships); 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, licenses or certificates will be exempted from the above examination in such of the above subjects as were included in the examination by which such diploma, license 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 License, as issued by Prince of Wales College, or a First Class License issued by the Education Department of Prince Edward Island;
- (d) Grammar School, or Superior (except in Latin), or First Class Licenses of New Brunswick;
- (e) Equivalent Licenses or Certificates issued by Education Departments of other Provinces;
- (f) Diplomas of the Associate Grade as issued by the Education Department of Newfoundland;
- (g) The Preliminary Examination Certificate of the Nova Scotia Barristers' Society; and similar Certificates of the Bar Societies of other Provinces and Colonies with equivalent standards;
- (h) 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 both.

Candidates holding certificates which they wish to offer for exemption as above should forward them for appraisal, as early as possible.

#### Special Matriculation Regulations for each Faculty.

**Faculty of Arts and Science and Faculty of Law.**—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 three other subjects.

In order to be admitted to the course in Law, a candidate must have completed Arts Matriculation, and must also present a satisfactory certificate of having attended and passed, at some degree-granting College or University recognized by the Senate for the purpose, at least five regular classes of the course for the degree of Bachelor of Arts, of which English, Mathematics, Latin and another foreign language shall be four.

**Faculty of Medicine.**—Certificates of grades X, XI and XII are treated as in the Arts and Science Faculty.

In order to be admitted to the course in the Faculty of Medicine a candidate must have credit for at least six subjects, including English, Physics, Chemistry and the two Mathematical papers, and have made at least 30 per cent. in Latin.

A person entering upon the study of Medicine for the purpose of qualifying himself to practise in the Province of Nova Scotia must also satisfy the

Preliminary Requirements of the Provincial Medical Board, and have his name entered in the Medical Students' Register kept by the Board. These Preliminary Requirements are practically identical with the Matriculation of the University, but intending students are advised to apply for information to the Registrar of the Board, Dr. W. H. Hattie, Halifax, N. S.

**Faculty of Dentistry.**—A certificate of grade XI (or of Grade X for Science) standard issued by the Education Department of Nova Scotia is accepted for the required subjects, provided either, (1) an average mark of at least 60 per cent is obtained with no subject below 40 per cent.; or, (2) a mark of at least 50 per cent is obtained on each subject.

In addition to the certificates (a) to (h) above the Faculty of Dentistry will accept for Matriculation a certificate of having passed the Preliminary Examinations of any Dental Board or registering body in an "agreeing" Province which conforms to the standard set by the General Medical Council of Great Britain or the Dominion Dental Council. It will also accept the Preliminary Examination of, or Matriculation into, any institution in Great Britain or Canada recognized for the purpose of matriculation in medicine or dentistry by the General Medical Council of Great Britain.

In order to be admitted to the course in the Faculty of Dentistry, a candidate must have credit for at least five of the six Matriculation subjects.

## 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 registers.

### Fee for Support of Student Organizations.

At the request of the student body, as expressed by a ballot taken on the question and presented through The Council of the Students, a fee of \$5.00 will be collected on registration from each student who takes more than one class. This fee entitles the student to the privileges of any or all of the following student organizations: Dalhousie Amateur Athletic Club, Dalhousie Skating Club, Dalhousie Young Women's Christian Association, Delta Gamma, Dalhousie Dramatic Club, Sodales, and to a copy of the Dalhousie Gazette. A student taking only one class and desiring to take part in one or more of the above organizations must pay the fee of \$5.00.

### Caution Deposit.

Each male student on registration is required to deposit two dollars as caution money to cover damage done to furniture, apparatus, etc. This amount less deductions (if any), will be returned at the close of the session. There shall be no deduction from the Caution Fund for damages which have been charged to or assumed by individuals.

### Laboratory Deposits.

A student taking a class involving laboratory work is required to make a deposit of five dollars 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.

### Residence.

All students are required to report their place of residence to the University Office on or before October 15th.

A residence for women students, to cost \$200,000, is soon to be erected, to be ready for occupancy next session. In addition to spacious drawing rooms, dining room and library, available to and capable of accommodating all the women students of the University, it will contain living rooms for 60 resident students, mainly in single rooms. The building is so designed that it can be extended to accommodate 250 students.

All women students not living with parents or guardians must live in residence, except in very unusual circumstances. For plan of rooms and rates address the Warden.

It is intended to proceed at an early date with the erection of dormitories for men students. In the meantime the University is making provision for boarding and lodging accommodation for the session of 1919-20. The Secretary of the University Y. M. C. A. will arrange to have some one meet at the train any student coming to Halifax for the first time, if notified in advance of the time of arrival. He can be addressed after September 1st in care of the University.

#### 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 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 50 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 License of New Brunswick;

\*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.

- (d) Diploma of the Associated Grade, as issued by the Education Department of Newfoundland.
- (e) Equivalent Certificates issued by Education.

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.

#### 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, 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, Mechanics 1, Drawing 1 and 2.

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

For details of the work in the classes see p. *et. seq.*

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.

#### Students Loan Fund.

A Students Loan Fund has been started by the gift of \$1000 for the purpose from the Chronicle Publishing Co., Limited, of Halifax. It is hoped that other donations will be made to increase the fund for this desirable purpose.

An application for a loan will be considered only from a student of Undergraduate standing who has attended the University for at least one year, has the approval of the Dean or corresponding University officer of his Faculty as to general academic standing, and is of good standing among his fellow students. The loan to any student shall not exceed \$100 in any one year, nor \$300 in total amount. Loans shall not bear interest until the beneficiary, or the class of which he was a member, has graduated; and it shall be payable within five years from this graduation date. For further information apply to the President.

# CALENDAR

OF

## DALHOUSIE UNIVERSITY

HALIFAX - NOVA SCOTIA

1919-1920



HALIFAX:

PRINTED FOR THE UNIVERSITY BY W. MACGILL & SON,  
1919.

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TIME TABLE—ARTS AND SCIENCE, 1918-20.

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## UNIVERSITY ALMANAC, 1919-1920.

1919.

- Sept. 19 W.—Last day for receiving applications\* for Supplementary Examinations.
- 22 Tu.—Last day for receiving applications\* for Matriculation (and Scholarship) Examinations.
- 24 W.—Session Begins. Supplementary Examinations begin. Matriculation (and Scholarship) Examinations begin.  
9—12 a. m., Latin German.\*\*  
3—6 p. m., English.
- 25 Th.—9—12 a. m., French, Greek.\*\*  
3—6 p. m., Physics.
- 26 F.—9—12 a. m., Geometry.  
3—6 p. m., Chemistry.
- 27 S.—9—12 a. m., Algebra.  
3—6 p. m., Trigonometry, History.\*\*
- 29 M.—12 a. m., Registration (and Payment of Fees) begins. Halifax students must register on this day.
- 30 Tu.—Last Regular Registration†† (and payment of fees) Day. Results of Matriculation and Supplementary examinations declared.
- Oct. 1 W.—3 p. m., Meeting of Faculty of Arts and Science.
- 1 W.—9 a. m., Lectures begin.  
3 p. m., Meeting of Faculty of Medicine.
- 4 S.—Last Registration Day.
- 5 W.—Initiation as to elective subjects to be made on or before this day in Arts and Science Faculty.
- 15 W.—Returns as to residence and church attendance to be made on or before this day.
- M.—Thanksgiving Day. No Lectures.
- Dec. 12 F.—Last day for receiving applications\* for Special Examinations in Arts and Science Faculty.
- 14 Tu.—Last day of lectures in classes wherein Christmas examinations are held.
- 17 W.—Christmas Examinations\* begin.
- 19 S.—Last day of lectures.
- 22 M.—9 a. m., Christmas vacation begins.
- 1920.
- Jan. 5 M.—9 a. m., Lectures resumed. Special Examinations in Arts and Science Faculty begin.
- Mar. 1 M.—Last day for receiving classes for Master's degree.
- 23 F.—Last day for receiving Applications\* for Examinations for Master's degree and for Music and Pharmacy.
- Apr. 2 F.—Good Friday. No Lectures.
- 12 M.—Last day for receiving Applications\* for Spring Supplementary Examinations, and for payment of annual Examination Fees in Medicine and Dentistry.
- 16 F.—Last day of Lectures in Arts and Science and Law.
- 17 S.—Spring Examinations\* begin in Arts and Science, Law, and in the Physics, Chemistry and Biology of Medicine and Dentistry.
- May 3 M.—11 a. m., Meeting of Faculty of Arts and Science.  
4 p. m., Meeting of Faculty of Law.
- 4 Tu.—11 a. m., Meeting of Senate.  
5 W.—11 a. m., Meeting of Senate.  
Results of Examinations declared.
- 6 Th.—3 p. m., Convocation for Arts and Science and Law.
- 14 F.—Last day of Lectures in Medicine and Dentistry.
- 17 M.—Spring Examinations in Medicine and Dentistry begin.
- 24 M.—3 p. m., Meeting of Faculty of Dentistry.
- 25 Tu.—3 p. m., Meeting of Faculty of Medicine.
- 26 W.—12 a. m., Meeting of Senate. Results of Examinations declared.
- 27 Th.—Convocation for Medicine and Dentistry.

\*For most satisfactory application for examination, with care 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.

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## INTRODUCTION.

### Historical Sketch.

Dalhousie College was founded in 1818 by the Right Honourable George Ramsay, ninth Earl of Dalhousie, "for the education of youth in the higher branches of science and literature."

The original endowment was derived from funds collected at the port of Castine, Maine, during its occupation in 1814 by Sir John Sherbrooke, then Lieutenant-Governor of Nova Scotia. In a letter to Lord Bathurst, dated December 14th, 1817, Lord Dalhousie, with the unanimous consent of the Council, proposed that £9,750 of these funds be devoted to the "founding of a College or Academy on the same plan and principle as that in Edinburgh," "open to all occupations and sects of religion, restricted to such branches only as are applicable to our present state, and having the power to expand with the growth and improvement of our society," and that this College be established in Halifax, "the seat of the legislature, of the courts of justice, of the military and the mercantile society." On the 6th of February, 1818, Lord Bathurst wrote expressing the Prince Regent's "entire approval of the application of the funds in question in the foundation of a Seminary in Halifax for the higher classes of learning." The building was begun in 1819, and on the 22nd of May in the year 1820 the corner stone was laid by the Earl of Dalhousie. On the 31st of January, 1821, an "Act to incorporate the Governors of Dalhousie College at Halifax" became law. The original Board consisted of the Governor-General of British North America, the Lieutenant-Governor of Nova Scotia, the Bishop, the Chief-Justice, the President of the Council, the Treasurer of the Province, the Speaker of the House of Assembly, and the President of the College.

After unsuccessful efforts in 1822-4 and 1825-36 on the part of both the British Government and the Board of Governors to effect a union with King's College, at that time the only other existing in the Province, Dalhousie College went into operation in 1838, with the Rev. Thomas McCulloch, D. D., as President.

In 1841 an Act was passed conferring university powers upon the College, and vesting the appointment of the Governors in the Governor and Council. Two years later President McCulloch died, and in 1845 the College was closed, the Governors considering it "advisable to allow the funds of the institution to accumulate." From 1849 to 1859 the College funds were employed to support a High School. Toward the end of this period, in 1856, the Arts department of Gorbam College, Liverpool, supported by the Congregationalists, was transferred to Dalhousie, "with a view to the furtherance of the establishment of a Provincial University," and for a short time an attempt was made to conduct the institution as a University under the Act of 1841.

The history of Dalhousie College as an institution realizing the purpose of its Founder may be dated from 1858. In that year the College was reorganized under an Act which empowered the Board of Governors to grant to any body of Christians, or any individual, or number of individuals, the privilege of nominating a representative to the Board, and a Professor, for every chair in the College supported by them to the extent of twelve hundred dollars a year. In consequence of this provision, the Presbyterian Church of Nova Scotia closed its academies at Truro and Halifax, and undertook the support of two chairs; and the Church of Scotland in Nova Scotia, having no institution of its own, endowed one chair—the Chair of Mathematics. Thus strengthened, the College opened in the Autumn of 1858 with a staff of six professors, the Rev. James Ross, D. D., being Principal. At the death of the incumbents of the two chairs supported by it, the Presbyterian Church withdrew its support.

In 1879 Mr. George Munro, of New York, endowed the Chair of Physics, and in rapid succession Chairs of History and Political Economy, English Literature, Law and Metaphysics. He also supported Tutorships in Classics and Mathematics, and for ten years provided liberal exhibitions and bursaries. His munificent gifts, aggregating about \$250,000, were at that time unparalleled in Canada.

In 1882 Mr. Alexander McLeod, of Halifax, left the residue of his estate, about \$65,000, to endow the three chairs now known as the McLeod Chairs of Classics, of Modern Languages, and of Chemistry.

The purchase of the old College building by the City and the generous gift of \$20,000 by Sir William Young, for over forty years Chairman of the Board of Governors, led to the erection of a new building on Carleton St., the corner stone of which was laid by Sir William on the 27th of April, 1887. The gifts of Sir William Young to the College subsequent to its reorganization exceeded \$68,000.

In 1890 Mr. John P. Mott, of Halifax, left a bequest of \$10,000 to the College.

In 1902 the University received a bequest of \$2,000 from the late Professor Charles Macdonald for a library endowment fund. In the same year the Alumni began a movement to collect funds for the erection of a library building in memory of Professor Macdonald, and obtained contributions of \$25,000 for the purpose. The erection of this building was not begun until February, 1914, being delayed until a new site for the University should be secured. The corner stone was laid by the Rev. Dr. Allan Pellock on April 29th. In the same year the late Professor Johnson left a number of his books and a bequest of \$1,000 to the library. In 1917 the library received a further endowment of \$1,000, the gift of President A. Ross Hill, of Missouri University, in memory of his late wife, *sic* Agnes Baxter, B. A., '91.

In 1912 a canvass for funds to pay for the purchase of the Studley estate, which had been lately acquired as a new site for the University, and to erect the necessary new buildings and

increase the endowment, brought in new subscriptions of about \$400,000. The new home of the University contains more than 40 acres and is beautifully situated on a partly wooded eminence overlooking the North West Arm. The corner stone of the first of the new buildings, the Science Building, was laid by H. R. H. the Duke of Connaught, on Aug. 16th, 1912. Mr. Andrew Carnegie gave \$40,000 toward the erection of this building on condition that the University set aside a like amount for maintenance. The Science Building and the Macdonald Memorial Library were opened for occupancy in the fall of 1915, and the work of the Faculty of Arts and Science is now carried on in these buildings.

The late Lieut. George W. Stairs, B. A. '09, who fell at Lange-marck, bequeathed the sum of \$5,000 to the University.

By the will of Mr. Joseph Matheson, of Lower L'Ardoise, who died in 1915, the University received a legacy of \$15,800.

In 1916 Mr. John Macsash, a life-long friend to the University, died leaving two-thirds of the residue of his estate to the Board of Governors, a portion or all of it at their discretion to be devoted to the extension and maintenance of the library. The amount of this bequest was about \$16,000.

In 1917 Mr. G. S. Campbell, Chairman of the Board of Governors, and Mrs. Campbell, gave \$25,000 to found a series of valuable scholarships to commemorate their only son, George H. Campbell, B. A. '15, who enlisted for overseas service during his senior year, and was killed while on duty at the front.

In 1918 Senator William Dennis and Mrs. Dennis founded the Eric Dennis Chair of Government and Political Science in memory of their son Eric who gave his life for his country at the taking of Vimy Ridge. They handed over to the University the sum of \$60,000, the interest on which was to be devoted to the payment of the salary of the occupant of the new chair and to the provision of scholarships and a gold medal in connection with the department.

The Faculty of Medicine was organized in 1868; merged into the Halifax Medical College in 1875; and re-organized as an examining faculty in 1885. In 1911 the University purchased the property of the Halifax Medical College, and undertook the provision of instruction in all the subjects of the medical curriculum. After the removal of the Faculty of Arts and Science to Studley in Sept., 1915, the Medical School was removed to the Forrest Building, and the old Halifax Medical College vacated.

In 1914 Dr. D. A. Campbell and Mrs. Campbell endowed the Dr. D. G. J. Campbell Memorial Chair of Anatomy, in memory of their late son, a distinguished alumnus of this University.

The Faculty of Science was organized in 1877, and re-organized in 1891. In 1902 the School of Mines was established. An appeal for funds for the support of this department was made, and subscriptions were received to the amount of about \$60,000. In 1906 the Faculty was divided, the department of Pure Science uniting with the Faculty of Arts to form the Faculty of Arts and Science, and the department of Applied Science becoming the Faculty of Engineering. On the opening of the Nova Scotia

Technical College in 1909, the Faculty of Engineering was discontinued.

The Faculty of Law was established in 1888.

The Faculty of Dentistry was organized in 1908, in affiliation with the Maritime Dental College, which, under the auspices of the Dental Association of the Province, provided instruction in the professional dental subjects. In 1912 the Dental College discontinued its work, and instruction in all subjects of the curriculum is now carried on by the Faculty of Dentistry.

In 1911 the Pharmaceutical Society of Nova Scotia received the co-operation of the University in establishing the Nova Scotia College of Pharmacy. The University placed rooms at its disposal and arranged with some of the members of the scientific staff to give some of the instruction.

In 1917 the Pharmaceutical Society of New Brunswick joined in the undertaking and the name was changed to the Maritime College of Pharmacy. The University offers the degree of Phm. B. to candidates fulfilling the necessary requirements.

#### Constitution.

The Board of Governors is the supreme governing body of the University. Appointments to it are made by the Governor-in-Council on the nomination of the Board, or on the nomination, with the approval of the Board, of any body of Christians, or of any individual, or number of individuals, supporting a chair in the College. Any such body or individual is entitled to one representative Governor for each chair so supported. The Governors have the management of the funds and property of the College; the power of appointing the President, Professors, and other officials, and of determining their duties and salaries; and the general oversight of the work of the University.

The Senate consists of the President and Professors. To this body are intrusted, by statute, the internal regulations of the University, subject to the approval of the Governors. All degrees are conferred by the Senate.

The Faculties consist of the members of the teaching staff in each of the four main domains of study in which courses can be pursued at the University, namely, Arts and Science, Law, Medicine, and Dentistry. To them are intrusted by the Senate, subject to its approval, the supervision of the teaching, the preparation of regulations governing courses of study, and the recommendation of suitable candidates for prizes, scholarships, diplomas, and degrees.

#### Degrees and Courses.

The Senate confers the degrees in course of Bachelor and Master of Arts, Bachelor and Master of Science, Bachelor of Music, Bachelor of Pharmacy, Bachelor of Laws, Doctor of Medicine and Master of Surgery, and Doctor of Dental Surgery. A course in Music by the diploma of Licentiate of Music is also prescribed.

The degree of Doctor of Laws may be conferred *honoris causa* in award in recognition of eminent literary, scientific, professional, or public services.

The various Faculties of the University provide the instruction required in the courses leading to the above degrees, except in Music and in Pharmacy. In Music instruction is provided in the literary and scientific subjects required, and the University recognizes as qualifying for a degree the instruction in professional subjects given by the Halifax Conservatory of Music or other approved institutions. In Pharmacy the University provides instruction in pure science, and recognizes the teaching in professional subjects of the Maritime College of Pharmacy, or other approved institutions.

**Engineering Courses.**—Courses in Engineering are offered in the Faculty of Arts and Science. These courses extend over two or three years and correspond to the work prescribed by the Nova Scotia Technical College for the first two years of four-year courses in Civil, Mechanical, Electrical and Mining Engineering.

**Affiliated Courses.**—By a proper selection of elective subjects in his course, a candidate may reduce by one year the time required for the degree of Bachelor of Arts and a professional degree in Law. Similarly a candidate for the degree of Bachelor of Arts or Bachelor of Science may reduce by two years the time required for the combined degrees in Arts or Science and Medicine.

A candidate for the degree of Bachelor of Arts or Bachelor of Science may shorten by two years a subsequent course for a degree in Engineering.

**Privileges.**—The usual privileges of exemption from the Preliminary Examination granted to graduates of recognized universities by the learned professions in Canada and Great Britain are extended to this University.

The University of Oxford exempts from Responsions an undergraduate in Arts of this University who has passed in the subjects (including Greek) of the second or a higher year. A Bachelor of Arts with Honours is further exempted from four terms of residence. The Trustees of the Rhodes Scholarships exempt from the qualifying examination candidates who are exempted from Responsions by the University of Oxford.

Of the seven courses required by the University of Edinburgh for the degree of B. Sc. in Pure Science, three may be taken in this University; and of the seven courses required for the B. Sc. in Engineering, two may be taken in this University, subject to certain conditions.

The University of London exempts Bachelors of this University from the Preliminary Examination leading to the LL. B. degree of that University.

Graduates in law of this University are admitted to the Bar of Nova Scotia without further examination.

The degree in Medicine from this University is recognized as entitling to the privileges usually granted to graduates in Medicine of Canadian Universities. Graduates of this University in Medicine and Surgery who hold the License of the Provincial Medical Board may, on application, be placed on the Colonial List of the British Medical Register.



### Affiliated Institutions.

#### The Presbyterian College, Halifax.

*Principal*.....Rev. Clarence Mackinnon, M. A., D. D., LL. D.

The classes and examinations in Hebrew I, Gaelic and New Testament Greek I, conducted at this College are recognized as qualifying for the degree in Arts at the University. Arrangements have been made whereby students may reduce to six years the time required to take the degree of B. A. from the University and complete the divinity course at the Presbyterian College.

#### The Prince of Wales College.

*Principal*.....S. N. Robertson, M. A., LL. D.

Students holding High Honour Diplomas of Prince of Wales College, of Charlottetown, P. E. I., are admitted to the Third Year of the B. A. Course in Dalhousie, those holding Honour Diplomas to the Second, those holding Certificates or First Class Licenses to the First Year.

#### Halifax Conservatory of Music.

*Director*.....Mr. Harry Dean.

The University recognizes the teaching of the Conservatory as part of the qualifications required for the degree of Bachelor of Music and for the Diploma of Licentiate of Music.

#### The Maritime College of Pharmacy.

*Secretary*.....Mr. G. A. Burbidge.

The University recognizes the teaching of the Maritime College of Pharmacy as part of the qualifications required for the degree of Bachelor of Pharmacy.

#### Halifax Ladies' College.

*Principal*.....Miss F. E. Blackwood, B. A.

Students who have completed the regular course and received the Matriculation Diploma are admitted to the Arts course without further examination.

#### Convent of the Sacred Heart.

*Mother Superior*.....Madame Conwell.

Students who have completed the regular course and received the Diploma are admitted to the Arts course without further examination.

#### Mount Saint Vincent Academy.

*Mother Superior*.....Mother Berchmans.

Arrangements have been made whereby students from this institution may receive Advanced Standing in work of the First and Second Years for work done at the Academy, and instruction in separate classes in the work of the Third and Fourth Years.

### Equipment.

#### Libraries.

The University possesses a University Library, the Macdonald Memorial Library, open to all registered students, and the separate Law, Medical and Dental Libraries for the students and instructors in those Faculties.

The University Library was instituted in 1867, as the result of an appeal made by the Rev. George M. Grant, at Convocation. Until 1888 the number of volumes did not exceed 3,000; today there are 50,800 volumes and 5,900 pamphlets, selected primarily to meet the needs of students in the Faculty of Arts and Science.

The University Library contains the *MacKensie* Collection of works on Mathematical and Physical Science, which was presented to the College by the relatives of the late Professor J. J. MacKensie; the *Robert Morrow* Collection of works on Northern Antiquities and Language, presented by Mrs. Robert Morrow; the *Sen* Collection of philosophical works, purchased with the proceeds of a course of public lectures on Psychology given by Professor James Seth; the *DeMille Memorial*, presented by Professor MacMechan from the proceeds of two courses of Lectures on Shakespeare; the *Lowess* Library, presented by the daughters of the late Professor George Lawson, LL. D.; the *McCulloch* Collection, from the Library of the late Rev. W. McCulloch, D. D.; the *Edwin P. Robar Memorial* Collection of Philosophical books; the *Macdonald* Collection, presented by the son of the late Professor Charles Macdonald, M. A.; the *DeMille* Collection presented by Mrs. J. DeMille; the *Harrington* Collection, presented by the family of the late Emily Harrington, M. A.; the *Fraser* Collection, presented by the family of the late A. H. R. Fraser, LL. B.; the *J. J. Stewart* Collection (1200 volumes and pamphlets on local history, and a valuable collection of coins), presented by the family of the late J. J. Stewart, Esq.; the *Forrest* Collection, presented by the Rev. Dr. Forrest; also the *Clar* Memorial Collection, presented by the graduating classes of 1894 and some subsequent years.

When the Law Faculty was organized in 1883 it received a number of very generous contributions for a Library. Today the Law Library contains more than 8,000 volumes, including all the law reports which a student will find necessary to consult.

The Medical Library received its real start by the gift of some books and an Endowment of £1,000 from the late Dr. Cogswell. It is open on certain conditions to any practitioner in the Province as well as to medical students.

Besides the libraries in the University, students may use, subject to certain conditions, the following libraries: The Science Library (61,000 volumes and pamphlets), the Legislative Library (24,000 volumes), the Citizens' Free Library (30,000 volumes), the Library of the Presbyterian Theological College (11,000 volumes), and the Nova Scotia Barristers' Society Library (18,000 volumes).

### The Museum.

The Museum consists chiefly of the *Thomas McCulloch*, the *Patterson*, and the *Honeyman Collections*.

The **Thomas McCulloch Collection**, presented by the late Rev. William McCulloch, D. D., of Truro, contains a large and valuable collection of birds, especially native species of the Maritime Provinces, besides many mineral, rock and fossil specimens, shells of recent mollusca, Indian implements, etc. The fossil specimens include a collection of European cretaceous fossils and of carboniferous fossils, chiefly Nova Scotian. The collection of birds is supplemented by the valuable collection made by Col. T. J. Egan, of Halifax, containing thirty cases of native birds.

The **Patterson Collection** of Indian antiquities was made by the late Rev. George Patterson, D. D., LL. D., F. R. S. C., and presented by him to the University. It contains 280 specimens, catalogued and conveniently arranged for reference, including about 250 specimens relating to the aborigines of Nova Scotia.

The **Honeyman Collection** consists of the extensive geological collection made by the Rev. David Honeyman, D. C. L., F. S. A., for some years Professor of Geology in Dalhousie College, and was presented by Dr. Honeyman's relatives.

The Honeyman collection and the portion of the McCulloch collection illustrating Geology and Mineralogy are placed in the Geological Laboratory.

The Zoological section of the Museum was catalogued by the late Dr. Andrew Halliday, Lecturer in Zoology from 1899 to 1903.

The collections of the Provincial Museum, illustrating the Geology, Mineralogy and Zoology of the Province, may be conveniently used by students.

### Laboratories.

The new Science Building is designed to be ultimately a chemical laboratory only, but for a number of years it will be divided between the departments of chemistry and physics. For a short time it will house also the departments of Geology and Engineering. Each department during this earliest stage of utilization of the building will have the following accommodation, respectively:—

The **Chemical Laboratory** contains two lecture rooms accommodating respectively 175 and 40 students, a laboratory for general chemistry provided with lockers for 120 students, and a laboratory for qualitative analytical chemistry for 72 students. There are in addition special laboratories for quantitative analysis, organic chemistry, physical chemistry, a Professor's study, two private laboratories, two rooms for research, balance rooms, departmental library, a room for work involving the use of hydrogen sulphide, and a photographic dark room.

The **Physical Laboratory** contains a lecture room to seat 120 students, a general laboratory to accommodate 40 students, an advanced laboratory for 10 students, a Professor's study, two private laboratories, two rooms for research, departmental library,

a photometric room, a dark room and a storage battery room. In the basement are a work-shop and dynamo room, and a room for the selenograph.

The **Geological Laboratory** contains a Professor's study, and a general laboratory for 50 students.

The **Engineering Laboratory** contains a Professor's study and a lecture room to seat 80 students, and a Drafting room accommodating 50 students.

The **Biological Laboratory** is in the Forrest Building on Carleton St., and accommodates about 60 students doing simultaneous work.

The space in the Forrest Building previously occupied by the Arts and Science departments is now utilized for the laboratory, museum and literary accommodation of the Medical and Dental Schools.

### ADMISSION.

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

No person under sixteen years of age is admitted to any class.

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

**Graduate Students** are students who hold a Bachelor's degree in Arts or Science and are pursuing a course in Arts or Science for a Master's degree.

**Undergraduates** are students who have completed Matriculation and are candidates for a Bachelor's degree in Arts or Science or a degree in a professional course. They are admitted to all classes of the first year of their course, except in Law. For details of the extra requirement of a year in Arts before admission to the course in Law see p. 14.

**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. The requirements in the various faculties are as follows:—In the faculty of Arts and Science a Matriculant is one who has passed in English and in at least three other Matriculation subjects. In the faculty of Dentistry a Matriculant is one who has five Matriculation subjects to his credit; and in the faculty of Medicine one who has six Matriculation subjects to his credit including English, Physics, Chemistry and the two mathematical

subjects, and has made at least 30% in Latin. The regulations concerning the classes which a Matriculant may attend will be found under the requirements of each Faculty.

**Special Students** are all 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 acquirements 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.

All candidates for a degree must satisfy the requirements for Matriculation, either by passing the Matriculation examinations of this 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. 24th to 27th, 1919. For the timetable of the examinations see the University Almanac.

No fee is charged for a matriculation examination except to students who have entered on their second year of attendance. (See foot-note to p. 55).

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 1919-20 is Tuesday, Sept. 23th, 1919. Applications for examination at an outside centre should be made one month earlier.*

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

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

#### Subjects for each degree.

**For the B. A., Phm. B. and LL. B. degrees:**—(1) English, (2) British History or Ancient History, (3) Algebra, (4) Geometry, (5) Latin or Greek, (5) another foreign language, (7) Physics or Chemistry, and (8) any one, not already chosen, of British History, Ancient History, Trigonometry, another foreign language, Physics, Chemistry.

**For the B. Sc. and B. Mus. degrees:**—(1) English, (2) British History or Ancient History, (3) Algebra, (4) Geometry, (5) French, (6) German, (7) Physics or Chemistry, and (8) any one, not already chosen, of British History, Ancient History, Trigonometry, another foreign language, Physics, Chemistry. (For the requirements for the Engineering course see p. 38).

**For the M. D., C. M. degrees:**—(1) English, (2) British History, (3) Algebra, (4) Geometry, (5) Latin, (6) another foreign language, (7) Physics, (8) Chemistry.

**For the D. D. S. degree:**—(1) English, (2) British History, (3) Algebra, (4) Geometry, (5) Latin, (6) another foreign language, or Physics and Chemistry.

**For 1920-21 Physics and Chemistry will be compulsory.**

#### 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; Evangéline. 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 Tour: History of England, from the earliest times to the death of Queen Victoria; or Ramsont; Short History of England.

**Ancient History.**—General outlines, as in Webster's 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 formulas 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: *Gaulic War*, Book I in 1919, Book V in 1920; and Vergil: *Aeneid*, Book I.

**Greek.**—As under Latin.

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

**French.**—Berthon: *Specimens of Modern French Prose* (Macmillan), omitting IV, VI, IX, X; *Ontario High School French Grammar*, to the end of Lesson LXXXIII; questions in grammar as in Fraser and Squair's *French Grammar* to the end of section 344, with exercises; easy sight translation from French into English and from English into French.

**German.**—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.

**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, and fluorine, 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.

**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.

For 1919-20 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 (except in the case of candidates for the Entrance Scholarships); 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, licenses or certificates will be exempted from the above examination in such of the above subjects as were included in the examination by which such diploma, license 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) Honor Diplomas, or Certificates entitling to a First Class License, as issued by Prince of Wales College, or a First Class License issued by the Education Department of Prince Edward Island;
- (d) Grammar School, or Superior (except in Latin), or First Class Licenses of New Brunswick;
- (e) Equivalent Licenses or Certificates issued by Education Departments of other Provinces;
- (f) Diplomas of the Associate Grade as issued by the Education Department of Newfoundland;
- (g) The Preliminary Examination Certificate of the Nova Scotia Barristers' Society; and similar Certificates of the Bar Societies of other Provinces and Colonies with equivalent standards;
- (h) 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 com-

plete Matriculation either by examination, or by certificate, or both.

Candidates holding certificates which they wish to offer for exemption as above should forward them for appraisal, as early as possible.

#### Special Matriculation Regulations for each Faculty.

**Faculty of Arts and Science and Faculty of Law.**—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 three other subjects.

In order to be admitted to the course in Law, a candidate must have completed Arts Matriculation, and must also present a satisfactory certificate of having attended and passed, at some degree-granting College or University recognized by the Senate for the purpose, at least five regular classes of the course for the degree of Bachelor of Arts, of which English, Mathematics, Latin and another foreign language shall be four.

**Faculty of Medicine.**—Certificates of grades X, XI and XII are treated as in the Arts and Science Faculty.

In order to be admitted to the course in the Faculty of Medicine a candidate must have credit for at least

six subjects, including English, Physics, Chemistry and the two Mathematical papers, and have made at least 30 per cent. in Latin.

A person entering upon the study of Medicine for the purpose of qualifying himself to practise in the Province of Nova Scotia must also satisfy the Preliminary Requirements of the Provincial Medical Board, and have his name entered in the Medical Students' Register kept by the Board. These Preliminary Requirements are practically identical with the Matriculation of the University, but intending students are advised to apply for information to the Registrar of the Board, Dr. W. H. Hattie, Halifax, N. S.

**Faculty of Dentistry.**—A certificate of grade XI (or of Grade X, for History and Science) standard issued by the Education Department of Nova Scotia is accepted for the required subjects, provided either, (1) an average mark of at least 60 per cent is obtained with no subject below 40 per cent.; or, (2) a mark of at least 50 per cent is obtained on each subject.

In addition to the certificates (a) to (h) above the Faculty of Dentistry will accept for Matriculation a certificate of having passed the Preliminary Examinations of any Dental Board or registering body in an "agreeing" Province which conforms to the standard set by the General Medical Council of Great Britain or the Dominion Dental Council. It will also accept the Preliminary Examination of, or Matriculation into, any institution in Great Britain or Canada recognized for the purpose of matriculation in medicine or dentistry by the General Medical Council of Great Britain.

In order to be admitted to the course in the Faculty of Dentistry, a candidate must have credit for at least five of the six Matriculation subjects.

#### Admission to Advanced Standing.

##### Admission of Non-Collegiate Students.

Students who hold a High School certificate of Grade XII of the Province of Nova Scotia, or certain certificates of similar grade from other provinces, may ob-

tain credit for certain classes of the first year, and so shorten by a year the time required to complete a course for an Arts or Science degree. For the regulations concerning exemptions see under Faculty of Arts and Science, p. 26. See also the terms of affiliation with Prince of Wales College, p. 6.

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 until he has attended and passed in at least five classes.

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.

#### Admission ad Eundem Gradum.

A graduate of a University approved by the Senate, who has received his degree in course, may be admitted *ad eundem gradum* in this University on producing satisfactory evidence of good character and academic standing, and on payment of the required fee, provided the applicant is pursuing a course of study or research in this University, or is associated with the academic work of the University.

## 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 registers.

### Residence.

All students are required to report their place of residence to the University Office on or before October 15th.

A residence for women students, to cost \$200,000, is soon to be erected, to be ready for occupancy next session. In addition to spacious drawing rooms, dining room and library, available to and capable of accommodating all the women students of the University, it will contain living rooms for 60 resident students, mainly in single rooms. The building is so designed that it can be extended to accommodate 250 students.

All women students not living with parents or guardians must live in residence, except in very unusual circumstances. For plan of rooms and rates address the Warden.

It is intended to proceed at an early date with the erection of dormitories for men students. In the meantime the University is making provision for boarding and lodging accommodation for the session of 1919-20. The Secretary of the University Y. M. C. A. will arrange to have some one meet at the train any student coming to Halifax for the first time, if notified in advance of the time of arrival. He can be addressed after September 1st in care of the University.

### Church Attendance.

All students not residing with parents or guardians are required to report to the President on or before Oct.

15th the churches which they intend to make their places of worship during the session. Intimation will be made to the various clergymen of the city of the names and addresses of the students who have chosen their respective places of worship.

#### Discipline.

The Senate may use all means deemed necessary for maintaining discipline. It is the duty of the Dean of the College to see that order is maintained within the buildings and on the premises of the University. Every professor or officer of the University is required to report to the 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 University during the session, may be fined, suspended, or expelled from the University. Since the formation of the Council of the Students in 1912, that body holds an investigation and reports its finding to the Senate for action, and may recommend penalties to be inflicted.

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.

#### 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 male student on registration is required to deposit two dollars as caution money to cover damage done to furniture, apparatus, etc. This amount, less deductions (if any), will be returned at the close of the session. There shall be no deduction from the Caution Fund for damages which have been charged to or assumed by individuals.

#### Laboratory Deposits.

A student taking a class involving laboratory work is required to make a deposit of five dollars 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 Organizations.

At the request of the student body, as expressed by a ballot taken on the question and presented through The Council of the Students, a fee of \$5.00 will be collected on registration from each student who takes more than one class. This fee entitles the student to the privileges of any or all of the following student organizations: Dalhousie Amateur Athletic Club, Dalhousie Skating Club, Dalhousie Young Women's Christian Association, Delta Gamma, Dalhousie Dramatic Club, Sodales, and to a copy of the Dalhousie Gazette. A student taking only one class and desiring to take part in one or more of the above organizations must pay the fee of \$5.00.

#### Students Loan Fund.

A Students Loan Fund has been started by the gift of \$1000 for the purpose from the Chronicle Publishing Co., Limited, of Halifax. It is hoped that other donations will be made to increase the fund for his desirable purpose.

An application for a loan will be considered only from a student of Undergraduate standing who has attended the University for at least one year, has the approval of the Dean or corresponding university officer of his Faculty as to general academic standing, and is of good standing among his fellow students. The loan to any student shall not exceed \$100 in any one year, nor \$300 in total amount. Loans shall not bear interest until the beneficiary, or the class of which he was a member, has graduated; and it shall be repayable within five years from this graduation date. For further information apply to the President.

#### Academic Costume.

Undergraduates, Matriculants and Special students attending more than one class are entitled to wear gowns at lectures and all meetings of the University. The forms prescribed are the Oxford undergraduate gown of black stuff with sleeves, and the black trencher with tassel.

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.
- B. Sc.—White silk bordered with scarlet silk.
- M. Sc.—Scarlet silk.
- B. E.—White silk bordered with dark green silk.
- B. Mus.—White silk bordered with lavender silk.
- Phm. B.—White silk bordered with dark blue silk.
- L.L. B.—White silk bordered with gold coloured silk.
- M. D., C. M.—Scarlet silk bordered with white silk.
- D. D. S.—Scarlet silk bordered with gold coloured silk.
- L.L. D.—Purple silk.

Doctors of Laws shall be entitled to wear gowns and hoods of black silk.

#### 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.

By special permission of the Senate degrees may be conferred *in absentia*. (For fee see p. 55).

## Faculty of Arts and Science

### 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 pp. 17-20.

#### Academic Year.

The Academic Year consists of one session of about thirty two weeks duration. The session of 1919-20 will begin on Wednesday, September 24th, 1919, and end on Thursday, May 6th, 1920.

#### 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.), and Bachelor of Pharmacy (Phm. B.), 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.

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.

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 two 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) Three classes in either Latin or Greek.
- (ii) Two classes in one, not already chosen, of the following languages: Latin, Greek, French, German.
- (iii) Two classes in English.
- (iv) History 1, Philosophy 1, Mathematics 1.
- (v) One class in either Physics or Chemistry.
- (vi) One class in Physics, or Chemistry, or Biology 1, or Geology 1.
- (vii) Eight other classes, selected from the following list:

|                      |                    |             |
|----------------------|--------------------|-------------|
| Latin,               | History,           | Mechanics,  |
| Greek,               | Economics,         | Physics,    |
| Biblical Literature, | Government,        | Chemistry,  |
| French,              | Political Science, | Geology,    |
| German,              | Philosophy,        | Biology,    |
| English,             | Mathematics,       | Physiology. |

For details of subjects studied in the above classes see Courses of Instruction, p. 56, *et seq.*

#### Choice of Elective Classes.

Latin 1, Greek 1, French 1 and German 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 Thursday, October 9th, 1919.

#### Affiliated Courses.

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

- A. For Divinity.—Hebrew, New Testament Greek.
- B. For Law.—Constitutional History, Contracts, Torts, Crimes.
- C. For Medicine.—Practical Anatomy (first year), Physiology 2, Elementary Bacteriology.
- D. For Engineering.—Drawing 1, Drawing 2, Graphical Statics, Kinematics of Machines.

Graduates who have passed in the classes of group B may complete a subsequent Law course in this University in two years.

Students registered as undergraduates in Medicine, whose course in Arts has included Physics 1, Chemistry 1A, Biology 1, and the subjects of group C, may complete a subsequent course in Medicine at this University in four years; and if their Arts course has also included Chemistry 3 and 4, Anatomy 1, Physiology 1 and 3, and they have taken Practical Anatomy (second year), Embryology and Practical Materia Medica as additional classes, they may complete a subsequent course in Medicine in three years.

An undergraduate who elects group D, and also includes in his Arts course the other classes common to it and the course in Engineering, and who takes Surveying and Materials of Construction as extra classes, may complete the subsequent work for a degree in Engineering 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 43). 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 I. or Greek I.
2. One, not already chosen, of Latin I, Greek I, French I, German I.
3. English 1.
4. Mathematics 1.
5. Chemistry 1 or IA, or History 1.

## 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,\*Mechanics, Physics, Chemistry, Economics, Government, Political Science.

## Third and Fourth Years.

1. Latin 3, or Greek 3 (the language chosen must have been taken during the first and second years).
- 2.—10. The remaining required classes and elective classes from the subjects specified on page 22.

## Ordinary Course for Bachelor of Science.

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

- (i) Two in each of the following: English, French, German.
- (ii) One in each of the following: Mathematics, Physics, Chemistry, Drawing.
- (iii) Eleven classes, so selected from the following groups that at least one class shall be chosen from each group, and not more than four from groups II and III taken together:

\*Students selecting Physics 2 or 3 in the third year must have taken Mechanics 1 in the second year.

- I. Mathematics, Mechanics, Physics, Chemistry, Geology, Biology, Physiology.
- II. Philosophy, History, Economics, Government, Political Science.
- III. English, French, German, Latin, Greek.

The details of subjects studied in the above classes will be found under Courses of Instruction, p. 56, *et seq.*

In choosing their elective classes students should have regard to the restrictions stated under Choice of Elective Classes in the course for the degree of Bachelor of Arts (page 22).

Lists of the elective classes chosen must be submitted for approval not later than Thursday, October 9th, 1919.

## 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 I above:

A. **For Engineering.**—Drawing 2, Surveying, Graphical Statics, Kinematics of Machines, Materials of Construction.

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 in group I above:

B. **For Medicine.**—Practical Anatomy (first year), Physiology 2, Elementary Bacteriology.

Students registered as undergraduates in Medicine whose course in Science has included Physics 1, Chemistry IA, Biology 1, and the subjects of group B, may complete a subsequent course in Medicine at this University in four years; and if their Science course has also included Chemistry 3 and 4, Anatomy 1, Physiology 1 and 3, and they have taken Practical Anatomy (second year), Embryology and Practical Materia Medica as additional classes, they may complete a subsequent course in Medicine in three years.

## Order of Classes.

The classes of a course may be taken in any order, subject to the regulations regarding Admission to Classes (page 43). 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.
5. Physics, or Chemistry 1A.
6. Drawing 1, or \*Freehand Drawing.

## Second Year.

1. French 2.
2. German 2.
3. English 2.
4. Mechanics I, or Physics, or Chemistry 1A.
5. A class in one of the following:—Mathematics, Chemistry, Geology, Biology.

## Third and Fourth Years.

1. A class from Group III.
- 2—10. Nine classes, selected in accordance with the requirements stated above (p. 24).

## 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 for such

\*The class in this subject may be taken at the Victoria School of Art and Design, provided it be equivalent to a regular college class; but it must be followed by an examination held by Dalhousie University.

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 License of New Brunswick;
- (d) Diploma of the 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 46) 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.

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

\*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.

### 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, Economics and 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: *Capituli*, *Miles Gloriosus*. Terence: *Adelphi*, *Phormio*. Vergil: *Georgics*, I, IV. Horace: *Epistles*, I, II; *Art Poetica*. Juvenal: *Satires*, I, VII, VIII, XIV. Cicero: *De Oratore*, I; *Philippics*, I, II; *Pro Cluentio*. Livy: XXI, XXIII. 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 Vinctus*. Sophocles: *Oedipus Coloneus*, *Philoctetes*. Aristophanes: *Frogs*, *Knights*. Homer: *Odyssey*, V-IX. 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*, Halgh: *Ancient Theatricals*).

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 subjects prescribed for the Honour course in classics.

## English.

The historical development of the language and literature to the year 1800. Beight: *Anglo-Saxon Reader*, *Sivers: 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: *Ecclenastical Polity*, Book I. Bacon: *Advancement of Learning*, *Essays*.

Milwaukee: *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*. Shakspeare: *Titus*

*Andronicus*, *Rome and Juliet*, *Julius Caesar*, *Hamlet*, *Othello*, *Lear*, *Macbeth*, *Antony and Cleopatra*, *Coriolanus*, *Timon*, *The Two Noble Kinsmen*.

Books recommended: Sidney, Cook's edition (Glas & Co.). Hooker, Church (Clarendon Press). Bacon: *Advancement*, Wright (Clarendon Press). Essay, Wright (G. T. Selous). *History of Literature*: Ten Kings, (Clarendon Press). *Mormon*. "Temple Dedications." "Salus Letura." 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 and 4, 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 and 4 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, Economics and Politics. (See below).

## V. History, Economics and Politics.

Candidates desiring to take the Honour course in History and Economics and to complete the work for a degree in four years must take History 1 and Economics 1 in their first two years. They are required to take a minimum of four additional courses in History and four in Economics, including History 2, 3 and 4 and Economics 2 and 3, if these are offered, and any special Honour classes in History and Economics 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 the following subjects; but the standard of attainment shown in History 2, 3 and 4 and Economics 2 and 3 will be considered in the final award.

**Preliminary Classes.**—History 1 and Economics 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*. Wakeman: *Ascendancy of France*. Kitchin: *History of France*. Simond: *Italian Republics*. Fletcher: *Gustava Adolphus*. Gardiner: *Thirty Years War*. Lodge: *Richelieu*. Cambridge *Modern History*.

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

D. **History of Canada since 1763.**—Canada and Its Provinces (selected portions). Bourinot: *Canada under British Rule*. Murray: *Canadian Constitutional Development*. Short and Doughty: *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 Co-partnership*. Shadwell: *Industrial Efficiency*. Jones: *Economic Crisis*.

B. **Money and Banking.**—Jevons: *Money*. Scott: *Money and Banking*. Nicholson: *Money and Monetary Problems*. Walker: *Money*. Bagebot: *Lombard Street*. Conant: *Modern Banks of Issue*. Clark: *A, B, C, of the Foreign Exchanges*.

C. **Taxation and Public Finance.**—Bastable: *Public Finance*. Seligman: *Essays in Taxation*. 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*.

Similar Honour courses in History and Politics, and in Economics and Politics will be offered, the syllabus of the work in Politics will be announced later.

**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.**—Wetton: *Manual of Logic* (2 vols.). Mill: *System of Logic*. Venn: *Empirical Logic*.

B. **Psychology.**—Stout: *Manual of Psychology*. James: *Principles of Psychology*. McDougall: *Social Psychology*.

C. **Metaphysics.**—Taylor: *Elements of Metaphysics*. Bradley: *Appearance and Reality*.

D. **Ethics.**—Mackenzie: *Manual of Ethics*. Sidgwick: *Methods of Ethics*, and *History of Ethics*. Green: *Pragmatism in 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.**—Burnet: *Early Greek Philosophy*. 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, Mechanics 1, and Physics 1, or 2 and 3.

Undergraduates taking the Honour course in Mathematics are recommended to take German and Mechanics 1 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, Mechanics 2, and Physics, 4, 5, 7 and 10. The standard of attainment shown in the examinations in Physics 4 and 5 will be considered in the final award.

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.

#### Applied Mathematics.

Problems in Mathematical Physics given in Physics 7 or appointed for private reading. The solution of these problems involves the use of Analytical Geometry, Calculus, Differential Equations and Vector Analysis.

### VIII. Physics.

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

Undergraduates taking the Honour course in Physics are recommended to take German, Mechanics 1 and Physics 2 in their first year, and Physics 3 and Chemistry 2 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 year one advanced class in Mathematics, Physics 4 or 5, and Mechanics 2, and in their fourth year one advanced class in Mathematics, Physics 5 or 4, and Physics 7 and 11. The standard of attainment shown in the examinations in Physics 4 and 5 will be considered in the final award.

Those who aim at High Honours will be expected either to prepare a thesis embodying the results of a short original investigation, or to exhibit a high standard of excellence in the more mathematical parts of the course.

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

#### Mathematics.

Analytical Geometry and Calculus as in Mathematics 3 and 4, and any two of the advanced courses in Pure Mathematics.

#### Physics.

The entire subject-matter of Physics 2, 3, 4, 5, 7, 11, and Mechanics 1 and 2. Several papers will be set, and no one will

cover merely the work of a single class, but the papers will be arranged 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 work up some part of the subject without the aid of lectures.

### IX. Chemistry.

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

In order to complete this course in four years it is necessary to take Mathematics 1, 2, 3, 4, Physics 1, Chemistry 1A and Chemistry 2, in the first and second years; and Physics 4, 5, and 10, Chemistry 5, 6, 7 and 8, 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 and 8 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*. Bigelow: *Theoretical and Physical Chemistry*. Jones: *Elements of Physical Chemistry*. Selected portions of Le Blanc'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.**—Bernthsen: *Organic Chemistry*. Lachman: *Spirit of Organic Chemistry*. Stewart: *Recent Advances in Organic Chemistry*. Cohen: *Organic Chemistry* (selected chapters.)

**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 Arsenioid*, *Phosphites*, and *Modifications of Phosphoric Acid* (Aluminate Club Reprints, No. 10). Liebig and Woehler: *Ueber das Radical der Benzoesaure* (Ostwald's *Klassiker*, No. 22). Liebig: *Ueber die Constitution der organischen Sauren* (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 and 8, including Distinction work.

### X. Geology and Geological Chemistry.

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

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 the approval of, the Faculty of Arts and Science at the beginning of candidacy. 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. 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.

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 de-

ficient 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. 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 Eng-



lish, 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, he must have matriculation in (e) History and Geography, (f) French or German, and (g) Latin. French I or German I (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, Mechanics 1, Drawing 1 and 2.

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

For details of the work in the classes see p. 56 *et seq.*

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.

### 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 in 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.

##### 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 p. 40).

\*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.

**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, or at such other times as the Faculty of Arts and Science may appoint. Supplementary and Special examinations are held in September and January 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 26th, 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.

**Degree of Bachelor of Pharmacy.**

The degree of Bachelor of Pharmacy will be conferred upon candidates who have fulfilled the conditions and passed the examinations outlined below.

Candidates for the degree must have completed Matriculation. (pp. 10-4.)

Every candidate must submit evidence to satisfy the Faculty that he has served as assistant to a duly registered druggist for not less than four years (not being engaged in any other business), during at least two years of which period he has been employed in dispensing prescriptions; and that he has complied with all the requirements prescribed from time to time for admission to examination qualifying for Registration by the Province in which he is resident.

Every candidate must present certificates showing that in all those subjects of the course prescribed for the degree in which instruction is not offered in this University, he has attended full courses of lectures and laboratory work at a College of Pharmacy recognized for this purpose by the Senate. The University provides courses in Physics, Chemistry, Botany, Bacteriology and Materia Medica, which must be attended by the

candidate. Instruction in the other subjects of the course may be obtained at the Maritime College of Pharmacy, which is affiliated with the University, or at another recognized institution.

#### Course for Degree.

The classes of the prescribed course are shown in the following schedule, in which the time devoted to lecture and laboratory work respectively is stated in equivalent hours per week for a year; but the course extends over two years. The classes in Physics, Chemistry and Botany will be found described under Courses of Instruction of the Faculty of Arts and Science (p. 56 *et seq.*); the classes in Bacteriology and Materia Medica, in the Faculty of Medicine; and the remaining classes, in the Calendar of the Maritime College of Pharmacy.

|  |    |   |
|--|----|---|
| Physics.....                             | 3  | 2 |
| Chemistry.....                           | 3  | 7 |
| Botany and Pharmacognosy.....            | 2  | 4 |
| Bacteriology.....                        | 1½ | 2 |
| Materia Medica.....                      | 3  |   |
| Physiology and Toxicology.....           | 1  |   |
| Pharmaceutical Materia Medica.....       | 6  |   |
| Pharmacy.....                            | 3  | 4 |
| Prescriptions.....                       | 3  |   |
| Dispensing.....                          | 0  | 4 |
| Pharmaceutical Ethics and Economics..... | 1  |   |

#### Examinations.

The examinations will be held in April. Applications accompanied by the proper certificates and fees (see p. 55) must be made to the Secretary of the Faculty of Arts and Science at least one month before the date of examination.

The papers shall be set in accordance with the following schedule:

1. Theoretical and Practical Physics.
2. Theoretical and Practical Chemistry.
3. Botany, including Pharmacognosy.
4. Theoretical and Practical Bacteriology.
5. Materia Medica.

6. Theory and Practice of Pharmacy, including Pharmaceutical Materia Medica, Prescriptions and Dispensing.

#### 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. 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 will begin September 1st, 1919, and continue until September 30th, and is intended to prepare the student for the Certified Clerks' Examination of the Pharmaceutical Society. It is expected that students will have a general education at least equal to that of Grade IX. Attendance on this course will be of special value to those who intend to take the Qualifying Course later.

The Qualifying Course begins on Wednesday, October 1st, 1919, and ends with the University session. The courses in Chemistry, Botany and Microscopy, Materia Medica, Pharmacy, Prescriptions and Dispensing and Economics, are designed to prepare the student to pass the final licensing examinations of the N. S. Pharmaceutical Society. It is necessary that students shall have a good general education, preferably equal to that of Grade XI.

For the calendar of the Maritime College of Pharmacy, and for all information, address G. A. Burbidge, Secretary, 135 Hollis St., Halifax, N. S.

#### General Faculty Regulations.

##### Admission to Classes.

1. Candidates for a degree must pass the Matriculation examinations (pp. 10-14). Only those classes which a student attends as an Undergraduate or Matriculant 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 three 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. 56 *et seq.*) as preliminary or pre-requisite 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 preceding year of his attendance shall be admitted to more than five classes.

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

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.

#### 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 examination, immediately before the Christmas vacation, and the Spring examination, 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.

### Distinction Examinations and Class Distinction.

Students who attain a certain standard of excellence in the work of a class are awarded Distinction in that class. In some classes, in addition to the ordinary work required for the attainment of a position on the Pass list, additional work, consisting of private reading, essays, reports, field or laboratory work, may be 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. In all other classes the award is made upon the standard reached in the ordinary class-work.

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 Distinction division of the lists in order of merit in each grade; but in the Pass division in alphabetical order.

### 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 45, shall 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 Examinations are held in September only.

Special Examinations are held

- (a) During the Supplementary Examinations.
- (b) During the first week of lectures in January.

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 the date set for such notice in the University Almanac, the fee (see p 55) to be remitted with the notice.

### Prizes and Scholarships.

*The Senate reserves to itself the right of withholding Medals, Prizes and Scholarships, in cases in which sufficient merit is not shown.*

#### Halifax City Free Scholarships.

The University offers each year to the Halifax Academy, to Bloomfield High School and to St. Patrick's High School for Girls, a scholarship exempting the holder from tuition fees to a maximum amount of \$45 per year. These scholarships are tenable for four years, conditional upon the scholar pursuing a course in Arts or Science leading to a degree, and reaching the grade of Distinction in at least two classes in each year.

Candidates must have completed Matriculation, and reached a grade of scholarship represented by an average of 63 with no mark less than 50 on papers written in Grade XI examinations on Matriculation subjects, or the mark of Distinction on papers written in the Matriculation examinations, and must satisfy the Committee of Selection that they are deserving of financial assistance.

\*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 University has the following funds available for scholarships to be awarded to candidates standing highest in the Matriculation and First Year Sessional Examinations:—

**The Sir William Young Fund.**—This fund was left by Sir William Young for the purpose of endowing scholarships, and amounts to \$4000.

**The Mackenzie Bursary Fund.**—Mrs. Harriet Mackenzie Morrison, of Scornoway, Scotland, daughter of Rev. Kenneth Mackenzie, of Pictou Co., bequeathed £1000 to the University in 1887 to be used as a Bursary Fund.

**The University or Professors' Scholarships Fund.**—The University has set aside funds sufficient to produce an income of \$400 per year for scholarships to take the place of those offered in the earlier days by individual professors who received their class fees as part of their salaries.

**The George H. Campbell Memorial Scholarships Fund.**—In 1917 Mr. and Mrs. George S. Campbell gave the University the sum of \$25,000 to commemorate their only son, George Henderson Campbell, B. A., '18, who enlisted for overseas service during his senior year, and was killed while on duty at the front.

In the announcement of their noble gift, Mr. and Mrs. Campbell state:—

"We can think of no better way of associating the name of our son with Dalhousie, where he spent the happiest days of his short life, than by helping young men of ambition, but of limited means, to secure the advantages of a liberal education."

Mr. Campbell hopes that the recipients of these Scholarships will in turn do something for other students: in his own words:—

"I would like the boys who win the Scholarships to feel under a moral obligation, if their financial circumstances in after years permitted, to donate the value of the Scholarship back to their Alma Mater. Any sums so returned would go to augment the original fund, and thus enlarge its usefulness. In that way graduates would have the satisfaction of knowing that they were helping others as they themselves had been helped."

The income from these funds is applied as follows:—

#### Entrance Scholarships.

These Scholarships are eight in number:

|  |             |
|--|-------------|
| 3 George H. Campbell Memorial Scholarships, of . . . . . | \$200 each. |
| 2 Sir Wm. Young Scholarships, of . . . . .               | 100 each.   |
| 2 University Scholarships, of . . . . .                  | 100 each.   |
| *1 Mackenzie Scholarship, of . . . . .                   | 100         |

\* (In the awarding of this Scholarship, candidates of the name of Mackenzie, Maclean or Fraser will be given the preference).

In order to be eligible a candidate must reach the grade of Distinction (55%) in the examinations named below, and otherwise satisfy all matriculation requirements, and must not have attended as a Matriculant or Undergraduate at a recognised degree-granting College or University, and must intend to enter the Arts and Science Faculty of Dalhousie University, and must not have been a candidate more than once before. In the award of these Scholarships, subject to the above conditions, one shall be assigned, each, to

Halifax County,  
Cape Breton Island,  
Prince Edward Island,  
New Brunswick;

but not more than one shall be awarded to Halifax City and Vicinity.

The locality from which a candidate shall be considered as coming will be determined by the locality of the last High or Preparatory School attended; or, in the event of his having been educated beyond grade X by private tuition, by his usual place of residence.

These Scholarships will be awarded on the results of the regular Matriculation examinations held at Dalhousie University on September 24th to 27th, 1919, in the following subjects:

1. English. 2. Algebra. 3. Geometry. 4 & 5. Two of Latin, Greek, French, German.

For the requirements in each subject, see p. 11. Application to take the examinations must be made on forms to be obtained from the University.

These Scholarships are tenable for one year in the Arts and Science Faculty, and payable in two equal instalments, on October 15th and February 1st, the latter payment being conditional on the Scholar having made satisfactory progress in his classes.

The successful candidate for any one of these Scholarships may enter on Advanced Standing the classes of a higher year than the first (see pages 15 and 26), but he will not then be eligible for the First Year Scholarships described below.

#### First Year Scholarships.

These Scholarships are six in number, as follows:

|  |            |
|--|------------|
| 3 George H. Campbell Memorial Scholarships, of . . . . . | \$200 each |
| 2 University Scholarships, of . . . . .                  | 100 each   |
| *1 Mackenzie Scholarship, of . . . . .                   | 100.       |

\* (In the awarding of this Scholarship, candidates of the name of Mackenzie, Maclean or Fraser will be given the preference).

They are open only to Undergraduates who are just completing the first year of the course in Arts or Science, and are tenable for one year, and payable in two equal instalments, on October 15th and February 1st, the latter payment being conditional on the Scholar having made satisfactory progress in his classes.

They are awarded on the results of the Sessional Examination returns in the following classes—English, Mathematics 1, Chemistry 1A or Physics 1, or Physics 2, or Physics 3, and any two of the four classes, Latin 1, Greek 1, French 1, German 1.

#### Second Year Scholarships.

**The North British Society Bursary.**—A Bursary, of the annual value of \$60 founded by the North British Society of Halifax, will be awarded biennially. Candidates must be undergraduates in a course in Arts or Science who are just completing two years of residence, and must be eligible at the proper age for membership in the North British Society. The Bursary will be awarded to the candidate standing highest in the examinations in any five classes selected by himself from the following: (a) English 2; (b) two from Latin 2, Greek 2, French 2, German 2; (c) two other classes. It is tenable for two years, namely, during the third and fourth years of residence, but its tenure during the fourth year is conditional on the bursar having made satisfactory progress in the classes of his third year. The next award will be made in April, 1920.

**The Jotham Blanchard Bursary.**—This Bursary, of the value of \$50, being the interest of an endowment of \$1,000, founded by the New Glasgow Literary and Historical Society in memory of Jotham Blanchard, an honoured name in the annals of Fictou County, will be awarded biennially on the same academic conditions as the North British Society Bursary. It is payable in four equal instalments, on October 15th and February 1st of each year, the payments being conditional on the bursar having made satisfactory progress in his classes. The next award will be made in 1921.

#### Other Undergraduate Prizes.

**The Waverley Prize.**—This prize, of the value of \$40, being the interest of an endowment for the purpose, will be awarded annually to the student standing highest in Mathematics 4, his standing in Mathematical classes previously taken in the University being taken into consideration. The winner of the North British Society or the Jotham Blanchard Bursary is not eligible for this prize.

**The Studley Quoit Club Prize.**—This prize, of the value of \$50, is offered by the Studley Quoit Club for the encouragement of the study of Greek and Latin. It will be awarded annually to the student making the highest aggregate in Greek 2 and Latin 2.

**The Industrial Canada Scholarships.**—The Canadian Manufacturer's Association have offered for the best Essay on certain aspects of Canadian industry two cash prizes of the value of \$60 and \$30, respectively. The Scholarships are known as Industrial Canada Scholarships, and the winning Essays become the property of the Association, to be published in its Magazine, "Industrial Canada."

\*For students who have been admitted by certificate to the second year read "one" for "two."

Competitors must be enrolled as undergraduates in Arts or Science. The Essays must be of approximately 3,500 words in length and are to be handed in not later than Nov. 1st, 1919. The list of subjects can be had from the Secretary of the Faculty.

#### Graduation Prizes.

To be eligible for a medal a candidate must attain a standard considerably above that required for High Honours.

**The Governor-General's Gold Medal,** offered by His Excellency the Governor-General of the Dominion of Canada, will be awarded to the student who stands first among those taking High Honours in the department of Classics. In the event of its not being awarded in this department, it may be awarded in the department of Latin and English, or in that of Greek and English, or in some other department.

**The Sir William Young Gold Medal,** founded by bequest of the late Sir William Young, will be awarded on graduation to the student who stands first among those taking High Honours in Mathematics.

**The Eric Dennis Gold Medal,** founded by Senator William Dennis and Mrs. Dennis, will be awarded on graduation to the student who stands first among those taking High Honours in Government and Political Science.

**University Medals** will be awarded on graduation to students who take High Honours in departments in which a gold medal is not available.

**The Avery Prize.**—This prize, of the value of \$20, being the interest of a sum of money bequeathed for this purpose by the late J. F. Avery, M. D., will be awarded on graduation to the student standing highest among those graduating with Distinction.

**The Eric Dennis Foreign Scholarship,** of a value not less than \$250, founded by Senator William Dennis and Mrs. Dennis, will be awarded on graduation to the student standing highest in the department of Government and Political Science, provided he attains a sufficiently high standard, who obligates himself to pursue at least one year of post-graduate study in the same department of another university approved by the Senate.

#### The Rhodes Scholarships.

These scholarships, established by the late Right Hon. Cecil J. Rhodes for male students, are of the annual value of £300, and are tenable for three consecutive academic years. The holders of these scholarships are required to continue their studies at the University of Oxford.

The election of scholars in Canada takes place each year during the month of December. The scholars begin residence at Oxford in October of the year for which they are elected.

In this Province it was determined that nominations to the scholarships be made by the chartered Universities and Colleges in the following order:—

|           |            |           |                |
|-----------|------------|-----------|----------------|
| 1904..... | Dalhousie. | 1911..... | St. F. Xavier. |
| 1905..... | Acadia.    | 1912..... | Acadia.        |
| 1906..... | Dalhousie. | 1913..... | Dalhousie.     |
| 1907..... | Acadia.    | 1914..... | Acadia.        |
| 1908..... | Dalhousie. | 1915..... | Dalhousie.     |
| 1909..... | Kings.     | 1916..... | Kings.         |
| 1910..... | Dalhousie. | 1917..... | Dalhousie.     |

Where Universities make appointments the Trustees require the final decision to be made through a Committee of Selection, consisting of the President or Principal and four members elected by the Senate of the University.

The conditions of eligibility for a Canadian Scholarship, according to a memorandum issued by the Trustees, are as follows:—

1. Candidates shall be British subjects, and unmarried. They shall have passed their nineteenth, but not have passed their twenty-fifth birthday, on October 1st of the year for which they are elected.
2. An elected Scholar shall have reached at least the end of his sophomore or second year's work in some recognized degree-granting University or College of Canada.
3. Candidates may elect whether they will apply for the Scholarship of the Province in which they have acquired any considerable part of their educational qualification, or for that of the Province in which they have their ordinary private domicile, home or residence. They shall be prepared to present themselves for examination on election in the Province they select. No candidate may compete in more than one Province, either in the same or in successive years.
4. Only candidates who have passed an equivalent to the Oxford Responsions Examination, or those who are exempted from Responsions by the Colonial Universities' Statute, are eligible for election.
5. Candidates must have studied Greek, as well as Latin, to the extent of at least the work of the second year in College.

**Note.**—Undergraduates of this University who have taken a full course for two years, including Greek, are admitted to advanced standing at Oxford, and are excused from Responsions.

In any doubtful cases of eligibility the decision of the Committee of Selection shall be final.

#### 1851 Exhibition Science Research Scholarship.

Her Majesty's Commissioners for the Exhibition of 1851 have for some years offered Scholarships in certain Universities of the United Kingdom and the Colonies, with the intention of enabling students of science who have indicated high promise of capacity

for original research to continue the prosecution of science with the view of aiding in its advance or in its industrial applications. In 1894, and alternate years since, the nomination to one of these Scholarships has been placed at the disposal of this University. It is expected that a similar nomination will be placed at the disposal of the University in 1920.

These Scholarships are of the annual value of £150; are tenable for two years, subject to fulfilment of certain conditions, or, by special resolution of the Commissioners, for three years; and are open to women as well as to men. Copies of the conditions of nomination may be had on application at the President's office.

In cases in which the candidate nominated for a Scholarship appears to H. M. Commissioners to have had insufficient opportunity of showing whether or not he has the power to carry on independent research, and not therefore to be immediately qualified for a Scholarship, but to give promise of becoming so after a year's experience of research work, said candidate also not being in a position to continue his studies without assistance, H. M. Commissioners may award him a Probationary Bursary. The regulations under which such Bursaries are tenable may be obtained on application to the President of the University.

Students who desire to become candidates for nomination to the above Scholarship must make application to the President of the University on or before the 1st day of February. In making such application they must furnish a statement of the following particulars:—

- (a) Name and address.
- (b) Age and birth place.
- (c) Institution or institutions in which candidate's term of study has been passed.
- (d) Specific statement of qualifications of candidate, including particulars of his college career, and of original research in which he has been engaged.
- (e) Name of institution to which candidate proposes to attach himself during the tenure of Scholarship.
- (f) Statement of the particular scientific work, specifying the branch of science, to which the candidate proposes more especially to devote himself.
- (g) Statement as to whether or not the candidate will be prepared to accept a Probationary Bursary in the event of the Commissioners being unable to award a full Scholarship on the evidence submitted, and, in the event of his being prepared, a further statement as to his being unable to continue his studies without assistance.

As the University is required to certify the correctness of the above statement in the case of the candidates nominated, the statement must be accompanied by satisfactory evidence as to all particulars which are not in the University records. This age, attendance at other Universities or Colleges, and accounts of original researches conducted elsewhere, must be properly attested.



## 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.

## 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 the beginning of lectures..... | 2 00    |

The Registration Fee entitles a student to the use of the University Library, Athletic Field, and Student Building.

## For Tuition.

|  |         |
|--|---------|
| For each class (excepting purely laboratory or drawing classes, and exclusive of extra fee required for classes involving work in laboratory or draughting-room), payable by students taking less than five classes..... | \$12 00 |
| Ditto, payable by students taking more than four classes.....  | 11 00   |
| †Additional for each class involving work in laboratory or draughting room.....  | 5 00    |
| †For each purely laboratory or draughting-room class...  | 16 00   |
| For each year of the regular course in Engineering.....  | 95 00   |
| For changing course of study after October 9th, charge for adding or substituting a class.....   | 1 00    |

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 9th, 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 approved 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.

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

†See Laboratory Deposit, p. 23.

Dalhousie University  
Halifax, N. S.

July 25, 1919.

## IMPORTANT NOTICES.

**Change in Fees in the Arts and Science Faculty from those stated in the Calendar for 1919-20.** On account of the great increase in every item of expense connected with a University and in the cost of the supplies and equipment of the laboratories this University has been compelled, along with the other Maritime Universities, as agreed upon at a Conference at Truro a short time ago, to increase the fees for tuition. The changes are as follows:—

For each non-laboratory class, payable by students taking five classes, \$15.00; instead of \$12.00.

For each non-laboratory class, payable by students taking more than five classes, \$14.00; instead of \$11.00.

For each purely laboratory or draughting-room class, \$20.00; instead of \$16.00.

**Residences for Men.** Pine Hill Presbyterian College, which has been used as a military convalescent hospital for two years, is now again in possession of its dormitories, and these will again be available for students of Dalhousie to the extent of the accommodation not needed by Pine Hill College for its Divinity students. The cost of room and board will be \$6.50 per week. For information and reservations application should be made to Principal Clarence Mackinnon, Pine Hill College, Halifax, N. S.

The University has determined to erect in future residential halls for its students, and in the meantime has leased the buildings at the corner of Sackville and South Park Streets erected by the Halifax Relief Commission to house and accommodate its staff. The dormitory will accommodate 50 students, two to a room, and the dining hall will seat about twice that number. The cost of room per student will be at the rate of \$2.00 per week. A caterer will serve meals at the rate of \$6.00 per week. For reservations write to the President's office.

## For Examinations.

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

|  |         |
|--|---------|
| Matriculation examination at an outside centre.....      | \$ 5 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   |

## 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 L. Mus., or Engineering, diploma..... | 5 00    |
| B. Mus., or Phm. B., diploma.....                          | 10 00   |
| M. A., or M. Sc., diploma.....                             | 20 00   |
| Ad eundem gradum diploma.....                              | 10 00   |
| Additional fee for any degree conferred in absentia.....   | 5 00    |

See pages 19 and 20 for

**Fee for Support of Student Organizations,  
Caution Deposit,  
Laboratory Deposit,  
Students' Loan Fund.**

††A Matriculation examination taken by a student after his second Autumn term of attendance at the University will be charged for, as a Special if taken in January, as a Supplementary if taken in September.

## COURSES OF INSTRUCTION.

## 1. Classics.

(McLeod Professorship).

|                 |                             |
|-----------------|-----------------------------|
| Professor.....  | Howard Murray, B. A., LL.D. |
| Instructor..... | E. W. Nichols, Ph. D.       |
| Lecturer.....   | G. K. Butler, M. A.         |

## Latin.

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

This class, which is conducted by the Instructor is intended for beginners in the language, and for those whose work has been insufficient to qualify them for admission to Latin I. 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, \$1.00). Other books will be announced at the beginning of the session.

## 1. Tuesday, Thursday and Saturday, 10—11 a. m.

Pre-requisite.—Matriculation Latin.

Cicero: *Orations against Catiline I and III*. Vergil: *Aeneid*, Book VI. \*Cicero: *De Imperio Gnaei Pompeii (Pro Lege Manilia)* and *Fourth Philippic*. 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). Bradley's *Arnold's Latin Prose Composition*, (Longmans, London). Allen & Greenough's *New Latin Grammar*, (Ginn & Co., Boston).

## 2. Monday, Wednesday and Friday, 11—12 a. m.

Pre-requisite.—Latin I.

Livy: Book I. Horace: *Odes*, Books I and II. \*Livy: *Selections from book II*, (as in Dennison's edition). \*Vergil: *Aeneid*, Book V. Latin Prose Composition. Exercises in Sight Translation.

Books Recommended: Livy: Book I and selections from Books II-X (Dunstan's; Macmillan, Toronto). Horace: *Odes*, Books I and II. (Page's; Macmillan, Toronto). Vergil: *Aeneid*, Book V. (Calvert's; Macmillan, Toronto). Bradley's *Arnold's Latin Prose Composition*.

## 3. (1920-21). Tuesday and Thursday, 11—12 a. m.

Pre-requisite.—Latin 2.

Horace: Selections from the *Satires* or the *Epistles*. Tacitus: a book of the *Annals* or the *Histories*.

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

## 4. (1919-20). Tuesday and Thursday, 11—12 a. m.

Pre-requisite.—Latin 2.

Plautus: *Trinummus*. Juvenal: *Satires* I, III, V, X. Tacitus: *Germania*. \*Cicero: *De Senectute*. \*Vergil: *Georgics*, Book IV.

Books Recommended: Plautus: *Trinummus*, (Freeman & Stoman's; Oxford University Press, Toronto.) Juvenal: *Satires*, (Hardy's; Macmillan's, Toronto). Tacitus: *Germania*, (Stanton's; Macmillan's, Toronto). Cicero: *De Senectute*, (Stuckburgh's; Macmillan's Toronto). Vergil: *Georgics*, Book IV. (Page's; Macmillan's, Toronto).

5. (1920-21). Terence: *Phormio*. Vergil: *Georgics*, I, IV. Horace: *Epistles*, I, II. *Art. Poetica*. Juvenal: *Satires*, I, VII, VIII, XIV. Cicero: *Philippic I, Pro Cluentio*. Livy: XXI, XXII.

6. (1918-20) Plautus: *Capituli, 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, which is conducted by the Instructor 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 I. The first book used will be White's *First Greek Book*, (Ginn & Co., Boston, \$1.25). 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. Tuesday, Thursday and Saturday, 9—10 a. m.

Pre-requisite.—Matriculation Greek.

Thucydides: *Selections*. \*Xenophon: *Cyropaedia*, Book I, Chapters I-IV. Greek Prose Composition. Exercises in Sight Translation.

Books Recommended: Thucydides: *Easy Selections*, (Moore's; Longmans). Xenophon: *Cyropaedia*, Book I. (Stuckburgh's; Cambridge University Press). North & Hildner's *Greek Prose Composition*, (Hiringson, London). Goodwin's *Greek Grammar*, (Ginn & Co., Boston).

## 2. Tuesday and Thursday, 11—12 a. m.

Pre-requisite.—Greek I.

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

Books Recommended: Lucian: *Selections*, (Inge & Macnaghten's; Longmans) Homer: *Odyssey*, Book IX. (Edwards; Cambridge University Press). *Odyssey*, Book XII. (see Mackwitz; Ginn & Co., Boston). North & Hildner's *Greek Prose Composition*, (Hiringson, London).

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

3. (1920-21). *Monday and Wednesday, 12-1 p. m.*  
Pre-requisite.—Greek 2.  
Demosthenes: Selected Orations. Euripides: *Medea*.
4. (1919-20). *Monday and Wednesday, 12-1 p. m.*  
Pre-requisite.—Greek 2.  
Plato: *Apology and Crito*. Aristophanes: *The Clouds*.  
\*Homer: *Iliad*, Books I, II (1-498) and VI. Greek Prose Composition. Exercises in Sight Translation.  
Books Recommended: Plato: *Apology and Crito*, (Wagner's, Geo. Bell & Sons). Aristophanes: *The Clouds*, (Merry's, Oxford University Press). Homer: *Iliad*, Books I-VI, (Seymour's School Book [Vol. Glen & Co., Boston].
5. (1920-21). Anachylus: *Eumenides*, *Prometheus Vinctus*. Sophocles: *Oedipus Coloneus*. Aristophanes: *Frogs*. Thucydides: II. Plato: *Republic*, I-IV.
6. (1919-20). Homer: *Odyssey*, V-IX. Sophocles: *Philoctetes*. 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.

Two hours per week.

#### Archaeology.

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: *Original Antiquities*. Maspero: *Egyptian Archaeology*. Gardner and Jensen: *Manual of Greek Antiquities*. Art Terms and Signs: *Architecture of Greece and Rome*. W. M. Ramsey: *Studies in the History and Art of the Eastern Roman Provinces*. Baldwin Brown: *The First Art*.

#### Introduction to Philology.

Two hours per week.

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 problems and results of philology; (3) Some practice in dealing with concrete linguistic problems. It will be conducted by means of lectures and assigned readings. The historical section of the course will take up rather less than the first half of the year, and will be followed by a scientific presentation of the problems of philology. A few periods toward the end of the year will be devoted to problems suggested by the instructor, or, preferably, by the student.

For Distinction: Brual: *Sassanica* (translated by Coak).

\*For private reading by students reading First or Second Class Distinctions.

## II. New Testament Greek.

*Tuesday, Wednesday, Friday and Saturday, 12.30 p. m.*

Pre-requisite.—Greek I.

The class and examinations in New Testament Greek conducted by Professor J. W. Falconer, M. A., D. D., in the Presbyterian Theological College, Halifax, are recognized as qualifying for a degree. Similar classes in other Theological Colleges approved by the Faculty are also recognized for the same purpose.

The work of the class consists of the interpretation of the Gospels. Lectures are also given on the language of the New Testament, the principles of Textual Criticism, introduction to the Gospels, and problems arising out of the Gospel narratives.

Text Books: Westcott and Hort's, or the Bible Society's new edition of the New Testament in Greek. J. H. Moule's: *Introduction to N. T. Greek*. Lake: *The Text of the New Testament*. Mathews: *A History of the New Testament Times in Palestine*.

Books Recommended: Moule's: *Grammar of New Testament Greek*. Sunday: *Outlines of the life of Jesus Christ*.

## III. Hebrew.

*Tuesday, Thursday, Friday and Saturday, 8.45 a. m.*

The class and examination in Hebrew, conducted by Professor H. A. Kent, M. A., in the Presbyterian Theological College, Halifax, are recognized as qualifying for a degree. Similar classes in other Theological colleges approved by the Faculty are also recognized for the same purpose.

The aim of this class is to enable students to read any of the narrative parts of the Hebrew Scriptures. The first part of the session is devoted entirely to thorough study and practice of the language. After the Christmas vacation two days a week are devoted to grammar and composition and two days to reading of Genesis, Samuel, Kings and other books.

Text Books: Kittel, *Biblia Hebraica*, or *Hebrew Bible* issued by B. and F. B. Schepers. Davidson: *Hebrew Grammar*.

Books Recommended: Fagnoli: *Primer of Hebrew*. Gosselin-Kantsho: *Hebrew Grammar*, (trans. by Collins and Crowley). Brown-Briggs-Driver: *Hebrew Lexicon*.

## IV. Modern Languages.

(McLeod Professorship).

Professor.....Howard P. Jones, Ph. D.

### French.

\*1. *Tuesday and Thursday, 9-10 a. m.*

Pre-requisite.—Matriculation French.

Texts: *Saxs et Parchemin* (Macmillan & Co.). Cornell: *Le Cid* (Holt & Co.). *French Newspaper Reader* (Am. Book Co.). French Composition and Sight Translation. Additional for Distinction: Merimee: *Colomba*. Racine: *Andromaque* (Heath & Co.). History of French Literature.

\*The University provides an instruction for beginners in French, but external classes will be formed, if a sufficient number of students apply, to provide instruction in French for Matriculation.

2. *Tuesday and Thursday 10-11 a. m.*

Pre-requisite.—French 1.

Barlet and Maass: *French Prose Reader* (Univ. Tut. Press).  
 Mollière: *Le Miroir*, (Macmillan & Co.). *Scenes of France*  
 (Clarendon Press). French Prose Composition. Conversation.  
 Dictation. History of French Literature with special reference  
 to the 18th Century. Additional for distinction: Hugo: *Les*  
*Misérables*. Corneille: *Nicomède* (Macmillan & Co.).

3. (1920-21). *Tuesday and Thursday 3.30-4.30 p. m.*

Pre-requisite.—French 2.

Balzac: *Ursule Mirouet* (Holt & Co.). Selections from  
 authors of the 17th century. Weekly: *A Higher French Reader*  
 (Univ. Tut. Press). Advanced French Prose Composition (Spiers).  
 Conversation. Duval: *Histoire de la Littérature Française* (Heath  
 & Co.). Gazier: *Dictionnaire Français* (Colln, Paris). Galandry  
 et Balsaignac: *Vocabulaire Analogique*. Additional for Distinction:  
 Balzac: *Baginot Grandet* (Oxford Univ. Press). Rostand: *Cyrano*  
*de Bergerac*. Duval: *Littérature Française* (selected period).

4. (1919-20). *Tuesday and Thursday 3.30-4.30 p. m.*

Balzac: *Pages Choisies* (Colln, Paris). Schinz & Kling:  
*Seventeenth Century French Readings* (Holt & Co.). Corneille:  
*Horace* (Heath & Co.). Weekly: *A Higher French Reader* (Univ.  
 Tut. Press). Advanced French Prose Composition (Ritchie and  
 Moore). Galandry et Balsaignac: *Vocabulaire analogique* (Paris,  
 Delagrave). Conversation. Duval: *Histoire de la Littérature*  
*Française*. Additional for Distinction: Chéribulac: *Le comte*  
*Koïna* (Nelson). Racine: *Phèdre*. Faguet: *Dis-septième siècle*.

## German.

**Elementary German.**—*Monday, Wednesday and Friday, 3.30-4.30 p. m.*

Harris: *German Lessons* (D. C. Heath & Co.). Huss: *A German Reader* (Heath & Co.). Hauff: *Das alte Herz* (Holt & Co.). Exercises in Grammar and Composition.

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

Pre-requisite.—Matriculation German.

Schiller: *Wilhelm Tell*, *Maria Stuart*, Acts I and II (Heath & Co.). Baumbach: *Der Schwiegerbräutigam* (Holt & Co.). Freytag: *Die Journalisten*. German Syntax (von Jagemann). *Writing and Speaking German* (Pope). Allen: *German Life*. Exercises in Sight Translation.

Additional for Distinction: Gerstaecker: *Irresolutes*. Schiller: *Die Jungfrau von Orléans* (Appleton & Co.). History of German Literature.

2. *Tuesday and Thursday 2.30-3.30 p. m.*

Pre-requisite.—German 1.

Hatfield: *German Lyrics* (Heath & Co.). Freytag: *Soll und Haben* (Heath & Co.). Heine: *Die Harzreise* (Ginn & 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.

## V. Biblical Literature.

Lecturers..... J. W. Falconer, D. D.  
 H. A. Kent, M. A.

There are two classes in the literature of the Old and New Testaments. Either one, but not both, of these classes may be offered as an elective for a degree in Arts.

1. (1919-20). *Monday and Wednesday, 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. An essay is required on a subject to be assigned by the Lecturer.

Text Books: MacFadyen: *Introduction to the Old Testament*. Artley: *Pre-historic Archaeology and the Old Testament*. Cornhill: *The Prophets of Israel*. 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*. Relevant articles in Hastings' *Dictionary of the Bible*.

2. (1920-21). *Monday and Wednesday, 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. An essay is required on a subject to be assigned by the Lecturer.

Text Books: MacFadyen: *Introduction*. Doan: *The Bible, its Origin and Nature*. Baumbach and Kent: *The Message of the Bible*. Jackson: *Studies in the Old Testament*.

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

Book Recommended: Robert: *The Apostolic Age*.

## VI. English Language and Literature.

(George Munce Professorship).

Professor..... Archibald MacMechan, Ph. D., F. R. S. C.

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.

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 Days, Cotter's Saturday Night*.For reference: Gosse: *History of Eighteenth Century Literature*.Candidates for Class Distinction will be examined in these additional works which are not read in class:—Dryden: *Adams and Archibald*, Pt. 1. Pope: *Essay on Man*. Johnson: *Lives of Dryden, Addison and Gray*.Parallel Reading.—As a preparation for the course, the student is recommended to read the following works:—Thackeray: *English Humorists, Cosgrove and Addison, The History of Henry Esmond* (bk. ii, cap. xi, at least). Macaulay: *The Comic Dramatists of the Restoration, Addison*.

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

Pre-requisite.—English I.

Composition.—Lectures on the Principles of Narration, Description and Exposition. Twenty expository themes, based chiefly upon the work in class.

Literature.—Elizabethan. Shakespeare: *King Richard II, Twelfth Night, Julius Caesar*. 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, *As You Like It, King Lear*.Parallel Reading.—As a preparation for this course, the student is recommended to read the following works:—Kingsley: *Westward Ho!* Scott: *Kennilworth*. Hentzer: *Travels in England*. Harrison: *Descriptions of England* (Scott Library). Bailey: *Milnes*.

3. Middle English and Pre-Shakespearean Literature.—(1920-21). 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 Prioresse's Tale, Sir Topas, The Monk's Tale*. The whole volume of Skeat.

4. Nineteenth Century Literature.—(1920-21). 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.—(1919-20). Tuesday and Thursday, 4.30-5.30 p. m.

Selected poems of Tennyson (Poems of Tennyson, ed. MacMechan, *Beller Letters* series). Selections from Browning (Dess's one vol. ed.) and 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*. Walker: *The Age of Tennyson*. Chesterton: *Victorian Literature*.

For Distinction, as in English 4.

6. Old English.—(1919-20). Monday and Wednesday.

Pre-requisite.—German 1 or 2.

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

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

7. Elizabethan Drama.—(1919-20). Tuesday and Thursday, 3.30-4.30 p. m.

Pre-requisite.—English 2.

Marlowe: *Tamburlaine, Edward II, The Jew of Malta*. Greene: *Frier Bacon and Frier 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 Seminary, will only be given if a sufficient number of qualified students apply for it.

## VII. History and Economics.

(George Munro Professorship).

Professor (On leave with C. E. F.). James Eadie Todd, M. A.

## History.

1. **Ancient and Early Mediaeval History.**—(1915-16). *Monday, Wednesday and Friday, 9-10 a. m.*

Pre-requisite.—Matriculation History.

Text Books: *Buttard: History of Rome. Oman: The Dark Ages. Bury: Books Recommended: Fergus: Growth and Decline of Rome. Bury: History of the later Roman Empire. Cambridge Medieval History, Vols. I and II.*

2. **The Middle Ages (895-1300).**—(1918-19). *Monday and Wednesday, 10-11 a. m.*

Text Books: *Robbison: History of Western Europe, Vol. I.*

Books Recommended: *Belmont and Monod: Medieval Europe. Adams: Civilization during the Middle Ages. Shorton: Introduction to the Middle Ages, Medieval Europe. Mazro and Selery: Medieval Civilization.*

3. **English History since 1485.**—(1917-18). *Monday, Wednesday and Friday, 9-10 a. m.*

(Given in 1916-17 as a two-hour course covering the period 1485-1715).

Text Books: *Cress: A History of England and Greater Britain; or Cheyney: Short History of England.*

Books Recommended: *Froode: English Sees in the Sixteenth Century. Warner: Landmarks in English Federal History. Trellis: Short England. Patterson: History of the Church of England.*

4. **English History to 1485.**—*Tuesday and Thursday, 9-10 a. m.*

Text Books: *Text: Advanced History of Great Britain. Bell's English History Series Books (Vol. I to VII).*

Books Recommended: *Maitland: Lectures on the Constitutional History of England. Hodgkin: Political History of England. Davis: England under the Normans and Angevins. Text: Political History of England.*

5. **Modern History.**—(1918-19). *Monday, Wednesday and Friday, 9-10 a. m.*

Pre-requisite.—Matriculation History.

The History of Europe in the eighteenth and nineteenth centuries.

Text Books: *Hassall: Balance of Power. Rose: The Revolutionary and Napoleonic Era. Alison Phillips: Modern Europe.*

Books Recommended: *Armstrong: Elizabethan France. Perkins: France under Louis XV. Conybe: French Revolution (Fletcher's edition). Rose: Life of Napoleon. Hassel: Europe since 1815.*

6. **Europe since 1789.**—(1916-17). *Monday, Wednesday and Friday, 9-10 a. m.*

Pre-requisite.—Matriculation History.

Text Books: *Rose: The Revolutionary and Napoleonic Era. Alison Phillips: Modern Europe.*

Books Recommended: *Lowell: The Rise of the French Revolution. Stephen: Revolutionary Europe. Morris: Napoleon. Macdian: Bismarck. Hassel: Europe since 1815.*

Dalhousie University

Halifax, N. S.

July 25, 1919.

## IMPORTANT NOTICES.

**Change in Fees in the Arts and Science Faculty from those stated in the Calendar for 1919-20.** On account of the great increase in every item of expense connected with a University and in the cost of the supplies and equipment of the laboratories this University has been compelled, along with the other Maritime Universities, as agreed upon at a Conference at Truro a short time ago, to increase the fees for tuition. The changes are as follows:—

For each non-laboratory class, payable by students taking ~~two~~ classes, \$15.00; instead of \$12.00.

For each non-laboratory class, payable by students taking more than ~~two~~ classes, \$14.00; instead of \$11.00.

For each purely laboratory or draughting-room class, \$20.00; instead of \$16.00.

**Residences for Men.** Pine Hill Presbyterian College, which has been used as a military convalescent hospital for two years, is now again in possession of its dormitories, and these will again be available for students of Dalhousie to the extent of the accommodation not needed by Pine Hill College for its Divinity students. The cost of room and board will be \$6.50 per week. For information and reservations application should be made to Principal Clarence Mackinnon, Pine Hill College, Halifax, N. S.

The University has determined to erect in future residential halls for its students, and in the meantime has leased the buildings at the corner of Sackville and South Park Streets erected by the Halifax Relief Commission to house and accommodate its staff. The dormitory will accommodate 50 students, two to a room, and the dining hall will seat about twice that number. The cost of room per student will be at the rate of \$2.00 per week. A caterer will serve meals at the rate of \$6.00 per week. For reservations write to the President's office.

Economics.

1. **Economic Theory.**—*Tuesday and Thursday, 2.30-3.30 p. m.*  
Text Books: Ely; *Outline of Economic*. University of Chicago Press:  
*Outline of Economics*.  
Books Recommended: Price; *Political Economy in England*. Sargent:  
*Principles of Economics*. Fisher: *Economic Principles*.
2. **Modern Economic History.**—(1920-21). *Tuesday and Thursday, 3.30-4.30 p. m.*  
Pre-requisite.—Economics I.  
Text Books: James: *England's Industrial Development*. Bogert: *Economic History of the United States*.  
Books Recommended: Canningham: *Growth of English Industry and Commerce*. Caine and de Proveris (Selected portions). Turbice: *Industrial Revolution*.
3. **Theory and History of Exchange.**—(1919-20). *Tuesday and Thursday, 3.30-4.30 p. m.*  
Text Books: Jevons: *Money*. Scott: *Money and Banking*.  
Books Recommended: Walker: *Money*. *Essentials of International Trade*. Conant: *History of Modern Banks of Issue*. Dodd: *History of Money in the British Empire and the United States*.

VIII. Government and Political Science.

(Eric Dennis Memorial Professorship).

Details of classes will be announced later.

IX. Constitutional History, Contracts, Torts, and Crimes.

The classes in constitutional history, Contracts, Torts, and Crimes conducted by the Faculty of Law, 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.

X Philosophy.

Professor..... H. L. Stewart, Ph. D.

(George Munro Professorship).

1. **Logic and Psychology.**—*Monday, Wednesday and Friday, 2.30-3.30 p. m.*  
Text Books: Cressighton; *Introductory Logic*. James: *Text Book of Psychology*. Reference will also be made to McDougall: *Social Psychology*. James: *Principles of Psychology*.
2. **History of Greek Philosophy.**—(1919-20). *Monday and Wednesday, 3.30-4.30 p. m.*  
Pre-requisite.—Philosophy I.  
Text Books: Rogers: *Student's History of Philosophy*. Plato: *Republic*. (Davies and Vaughan). *Plato*. *Apology*. *Theaetetus*. Taylor: *Aristotle on his Predecessors*.

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3. **Ethics.**—(1919-20). *Tuesday and Thursday, 9-10 a. m.*  
Pre-requisite.—Philosophy 1.  
Text Books: *Praxis: Republic I-IV*. Butler: *Sermons*. Macneil: *Manual of Ethics*. Mill: *Utilitarianism*. Sidgwick: *History of Ethics*. On Ethical Theory Sidgwick: *Methods of Ethics*. Basilini: *The Theory of Good and Evil*, and Moore: *Principia Ethica*, will chiefly be referred to. On the Psychology of Ethics: McDougall: *Social Psychology* will be consulted, and reference will also be made to Westermarck: *Origins and Development of Moral Ideas*.
4. **Advanced Psychology.**—(1920-21). *Monday and Wednesday, 9-10 a. m.*  
Pre-requisite.—Philosophy 1. (To be given if a sufficient number of qualified students apply for it).  
Text Books: James: *Principles of Psychology*; McDougall: *Social Psychology*.
5. **History of Moral Ideas.** (1920-21). *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: *Origins and Development of the Moral Ideas*, and Milman: *History of Latin Christianity*.
6. **Metaphysics.**—(1920-21). *Tuesday and Thursday, 9-10 a. m.*  
Pre-requisite. Philosophy 1.  
Text Book: Taylor: *Elements of Metaphysics*.
7. **History of Philosophy from Descartes.**—(1920-21). *Tuesday and Thursday, 10-11 a. m.*  
Pre-requisite.—Philosophy 1.
8. **British Philosophy in the Nineteenth Century.**—(1919-20). *Tuesday and Thursday, 10-11 a. m.*  
Pre-requisite.—Philosophy 1.

## XI. Mathematics.

Professor..... Murray Macneil, M. A.

1. **Elementary Mathematical Analysis.**—*Monday, Wednesday and Friday, 10-11 a. m.*  
Pre-requisite.—Matriculation Algebra and Geometry.  
Logarithms, Interest and Annuities, Probability, Indeterminate Equations, Binomial Theorem, Graphs, Partial Fractions, Complex Numbers, Theory of Equations, Solution of plane triangles, Trigonometric Equations and Identities, Proportional Geometry.
2. **Analytic Geometry.**—*Tuesday and Thursday, 10-11 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: Graeffe: *Differential and Integral Calculus*.

4. **Solid Geometry and Spherical Trigonometry.**—*Tuesday and Thursday, 11-12 a. m.*

Pre-requisite.—Mathematics 1.

## 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 8 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.**—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.**

## XII. Physics.

(George Munro Professorship).

Professor..... Howard L. Bronson, Ph.D., F. R. S. C.  
Lecturer..... A. Stanley Mackenzie, Ph.D., F. R. S. C.  
Instructor..... Miss M. P. Colpitt, M. A.

## Lecture Courses.

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, all students being required to hand in papers 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—4.30 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*.

2. **Hydrostatics, Heat, Light and Sound.**—Lectures: *Tuesday and Thursday, 9—10 a. m.* Laboratory: *Thursday, 2.30—5.30 p. m.*

Pre-requisite.—Mechanics 1 and Mathematics I; these may, however, be taken at the same time.

3. **Electricity and Magnetism.**—Lectures and Laboratory: *Monday and Wednesday, 2.30—5.30 p. m.*

Pre-requisite.—Mechanics 1 and Mathematics I; these may, however, be taken at the same time.

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: Kimball: *College Physics*. Watson: *A Text Book of Physics*; Ames and Bliss: *Manual of Experiments in Physics*.

4. **Elementary Mathematical—Heat and Electricity.**—(1919-20). *Tuesday and Thursday, 10-11 a. m.*

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

Books Recommended: Thomson: *Elements of the Mathematical Theory of Electricity and Magnetism*. Preston: *The Theory of Heat*. Maxwell: *Theory of Heat*. Planck: *Thermodynamics*. Franklin and Williamson: *Advanced Course*.

5. **Elementary Mathematical—Light.**—(1920-21).—*Tuesday and Thursday, 10-11 a. m.*

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

Books Recommended: Preston: *The Theory of Light*. Schuster: *Theory of Optics*. Mann and Millman's *Drinks: The Theory of Optics*. Wood: *Physical Optics*.

7. **Advanced Mathematical.**

In this course an introduction to Mathematical Physics and Applied Mathematics will be given. It is intended for candidates for Honours in Mathematics and Physics, but other students with the necessary qualifications may enter the class.

This course will include the following topics: Vector analysis; Maxwell's Theory applied to electric waves and flow of electric energy in conductors and dielectrics; Fourier's Theorem applied to heat conduction, the age of the earth, and ocean cables.

Books of Reference: Coffin: *Vector Analysis*. Maxwell: *Electricity and Magnetism*. Bryce: *Fourier's Series*.

8. **Experimental Methods.**

This course deals with experimental methods and the relation of theory to research, as exemplified by papers of classic interest, or by recent developments of Physics. The course may be conducted by lectures, by private reading, or by laboratory work, or by a combination of them.

This course is intended primarily for candidates for Honours in Physics and in Chemistry; but other students with the necessary qualifications may enter the class.

10. **Elementary Practical.**—Six hours per week. *Monday and Thursday or Friday, 2.30-5.30 p. m.*

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.

Books of Reference: Ames and Bliss: *Manual of Experiments in Physics* Stewart and Gee: *Elementary Practical Physics*.

11. **Advanced Practical.**—Six hours per week. *Monday, and Thursday or Friday, 2.30-5.30 p. m.*

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.

### XIII. Chemistry.

(McLeod Professorship).

Professor..... E. Mackay, Ph. D.  
Instructor..... C. B. Nickerson, M. A.

The syllabus of the classes, 11, 3 and 4 prescribed for students in Medicine or Dentistry will be found below under "Courses of Instruction" in these Faculties. Only persons enrolled as students of Medicine or Dentistry are admitted to these classes but by such students Chemistry 3 and 4 taken together may also be offered for a degree in Arts or Science. The class for students of Pharmacy, Chemistry 1C (p. 71), cannot be offered for an Arts or Science degree.

1. **General Chemistry.**—*Monday, Wednesday and Friday, 9-10 a. m.*

Pre-requisite.—Matriculation Algebra and Chemistry or Physics.

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 formulation of equations. The chief non-metallic elements are then studied somewhat fully, and a few metals briefly. The elements of Physical Chemistry are also introduced. Written class exercises are held weekly.

Books Recommended: Smith: *General Chemistry for Colleges*, Second Edition. For occasional reading: *Atomic Club Review*. Lassar-Cohn: *Chemistry in Daily Life*. Bird: *Modern Science Reader*.

**1A. General Chemistry.**—Monday, Wednesday and Friday, 9-10 a. m. *Laboratory: Monday and Wednesday, 2.30-4.30 p. m.*  
Pre-requisites.—Matriculation Algebra, English and Chemistry or Physics.

The work of this class is that of Chemistry 1, with four to six additional hours a week devoted to laboratory work.

**2. Metals and Compounds of Carbon.**—Tuesday, Thursday and Saturday, 9—10 a. m. *Laboratory: Tuesday and Thursday, 2.30-5 p. m.*

Pre-requisite.—Chemistry 1 A.

Metals and their compounds; applications of the theory of electrolytic dissociation to analysis.

Compounds of carbon, their purification and analysis; the paraffins and their chief derivatives; ethylene; acetylene; benzene and its chief derivatives.

At least five hours a week must be devoted to laboratory work. This will include qualitative analysis and the preparation of pure laboratory reagents and typical inorganic and organic substances.

*Books Recommended:* Smith: *General Chemistry for Colleges*; Talbot and Blackman: *Electrolytic Dissociation Theory*; Bostwick and Curtman: *Qualitative Analysis*; Remsen: *Compounds of Carbon*, 5th Edition.

#### Advanced Classes.

These classes are especially intended for candidates for Honours in Chemistry; but any student who has passed in Chemistry 2 with Distinction may be admitted. The classes are given in alternate years.

**5. History of Chemical Theory.**—(1919-20). *Twice a week.*

The development of chemical theory from the time of Boyle.

*Books Recommended:* Arrhenius: *History of Chemistry*; Roemer: *Galton and the Rise of Modern Chemistry*; Rosenstone: *James van Leeuwenhoek*; *Thomas Edison as Historical Chemist*; Schottenbaum: *Rise and Progress of Organic Chemistry*; Leitch: *Spirit of Organic Chemistry*; *Stewart's Recent Advances in Organic Chemistry*. And selected passages from the *Annals of the Royal Society* and Ostwald's *Klassiker*. For reference: Knoll von Meyer: *History of Chemistry*.

**6. Physical Chemistry.**—(1920-21). *Twice a week.*

Solutions; thermo-chemistry; electro-chemistry; and chemical dynamics. Two periods a week are devoted to laboratory work illustrating the principles discussed in the classroom.

*Books Recommended:* *Reines: Theoretical and Physical Chemistry*; Walker: *Introduction to Physical Chemistry*; Jones: *Elements of Physical Chemistry*; Lillman: *Electro-Chemistry*; Ostwald: *Principles of Inorganic Chemistry*; *Fletcher's Practical Physical Chemistry*. For reference: *Text Book of Physical Chemistry*, edited by Hixson.

#### Laboratory Classes.

**7. Quantitative Analysis and Inorganic Preparations.**—*At least ten hours a week.*

Pre-requisite.—Chemistry 2.

One hour a week is taken for the discussion of analytical methods, and at least ten hours a week must be devoted to laboratory work. The preparations and analyses prescribed are designed to illustrate typical methods, volumetric as well as gravimetric methods being employed wherever applicable.

Candidates for Distinction are required to undertake additional laboratory work and to show special familiarity with the theory of analytical reactions and processes.

*Books Recommended:* *Remsen: Inorganic Preparations* (Johns Hopkins Press); *Longfield: Inorganic Preparations*; *Talbot: Quantitative Analysis*; *Moore: Exercises in Quantitative Chemistry*; *Blair: Chemical Analysis of Iron*; *Mason: Examination of Water*; *Ostwald: Foundations of Analytical Chemistry*.

**8. Organic Preparations and Analysis.**—*At least ten hours a week.*

Pre-requisite.—Chemistry 2 or 4.

At least ten hours a week must be devoted to laboratory work. A sufficient number of organic compounds is prepared to illustrate the most important reactions and methods of synthesis. Quantitative determinations are carried out of carbon, hydrogen, oxygen and nitrogen; and some molecular weights are determined. Candidates for Distinction are required to do additional work of the kind outlined above.

*Books Recommended:* *Gettemer: Practical Methods of Organic Chemistry*, translated by Schöber; *Coleman: Practical Organic Chemistry for Advanced Students*.

**9. Food Analysis.**—*At least ten hours a week.*

Pre-requisite.—Chemistry 7.

One or more hours a week will be devoted to a discussion of the methods employed in determining the character, purity, and nutritive value of food products, also the detection of the common food adulterants. Typical analyses will be made in the laboratory.

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

#### Pharmaceutical Chemistry.

The following class is designed for students of Pharmacy. The laboratory work is arranged in two parts, the work of the first part being preliminary to that of the second. The first part of the laboratory work together with the full lecture course is the Qualifying Course in Chemistry prescribed by the N. S. College of Pharmacy for students seeking admission to the examinations of the Nova Scotia Pharmaceutical Society. The work of the Qualifying Course together with the second part of the laboratory work constitutes the course in Chemistry required of candidates for the degree of Bachelor of Pharmacy.

**1C. Pharmaceutical Chemistry.**—*Lectures: Monday, Wednesday and Friday, 12-1 p. m. Laboratory: First part, two hours per week. Second part, at least three additional hours per week. (Conducted by Mr. Nickerson).*

*Lecture Work. First Term.* Systematic study of the elements and their principal compounds, and the fundamental laws and theories of Chemistry.

*Second Term.* One lecture a week will be supplementary to the work in the laboratory and will consist of discussions and

recitations upon the theories involved. Two hours a week will be spent in the study of Organic Chemistry, special attention being given to those compounds of importance to Pharmacy.

**Laboratory Work.—First Part.** Exercises in General Chemistry, followed by a course in qualitative analysis.

**Second Part.** (1) Identification and determination of purity of chemicals of the B. P., such as acids (inorganic and organic), potassium bitartrate, hydroxide, bromide and iodide; sodium bicarbonate and silicylate; ammonium chloride, liquor ammonia fortior; magnesium sulphate and carbonate, alumina; bismuth subnitrate, hydrarg. subchloride; glycerine, alcohol, ether, morphine, quinine, honey, beeswax, etc.

(2) Strength of B. P. preparations, such as: Liquid extracts of belladonna, cinchona, (peaco, nux vomica and opium); liquors—ferri perchlorid, arsenicalis, hydrarg. perchlorid, and potass. permang.; syrups—simplex, ferri iodid; spirits—ether nit., etc.

(3) Testing of food products and water.

(4) Urine analysis.

If desired, students may specialize in any one or more of these subdivisions.

#### XIV. Geology and Mineralogy.

Assistant Professor ..... D. S. McLintosh, M. Sc.

1. **General Geology.**—Lectures: Monday, Wednesday and Friday, 10—11 a. m. Excursions and Laboratory: Friday afternoons.

Pre-requisite.—Matriculation Chemistry, or Chemistry 1 or 1A.

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 Friday afternoons. This will be succeeded by laboratory work of two and a half 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 Book Books: An Introduction to Geology.

Reference Books: Chamberlin and Salisbury: Geology, Geologic Geology, Pinner and Schuchert; Text Book of Geology; Young and Bruck: Geology and Economic Minerals of Canada.

2. **Physiography.**—Lectures: Tuesday and Thursday, 10—11 a. m. Laboratory: Two hours per week.

Pre-requisite.—Geology 1.

This course deals with the atmosphere, the ocean, climate, and the development of land forma.

Reference Books: Salisbury: Physiography. Tarr and Martin: College Physiography.

3. **Mineralogy and Petrography.**—(1920-1). Lectures: two hours per week. Laboratory: one afternoon per week, chiefly microscopical.

Pre-requisites.—Chemistry 1A 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: Williams: Crystallography. Pinner: Rocks and Rock Minerals. Blaxter: Petrology for Students.

4. **Mineralogy and Economic Geology.**—(1919-20). 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 Peabody: Determinative Mineralogy, and Blow-pipe Analysis. Kiser: Economic Geology of the United States. Kemp: The Deposits of the United States and Canada.

#### 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-requisites.—Geology 1, Biology 1.

Typical fossils of the various formations will be studied, and special work done on one of the periods.

Reference Books: 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 mineral and rock analysis.

#### XV. Biology.

Assistant Professor ..... Clarence L. Moore, M. A., F. R. S. C.

1. **General Biology.**—Lecture: Saturday, 9-10 a. m. Laboratory: four hours. Laboratory open Monday and Wednesday, 11 a. m.—1 p. m., Friday, 2:30—4:30 p. m., Saturday, 10-12 a. m.

Pre-requisite.—Matriculation English.

The aim of this course is to acquaint the student with some of the more important biological facts and theories and results of

biological work; also to serve as an introduction to biological methods. It includes a general survey of the plant and animal kingdoms and the discussion of topics of fundamental biological importance, e. g., protoplasm, cell and cell structure, reproduction, inheritance, variation, adaptations, evolution, etc.

**1C. Pharmaceutical Botany and Pharmacognosy.**—*Lectures: Monday and Friday, 10-11 a. m. Laboratory: First part, two hours per week; second part, two additional hours per week.*

This course is intended for students of Pharmacy, and cannot be offered for a degree in Arts and Science. The first part of the laboratory work with the full lecture course is the Qualifying Course in Botany prescribed by the Maritime College of Pharmacy for students seeking admission to the examination of the N. S. Pharmaceutical Society. The work of the Qualifying Course together with the second part of the laboratory work constitutes the course in Botany and Pharmacognosy required of candidates for the degree of Bachelor of Pharmacy.

**2. General Zoology.**—*Lectures: two hours per week. Laboratory: four hours per week.*

Pre-requisite.—Biology 1.

Text Books: Hager: *College Zoology*.

**3. General Botany.**—*Lectures: Tuesday and Thursday, 10-11 a. m. Laboratory: four hours per week.*

Pre-requisite.—Biology 1.

**4. Comparative Anatomy of the Vertebrates.**—*Lecture: one hour per week. Laboratory: four hours per week.*

Pre-requisite.—Biology 2.

Text Book: Wiedersheim: *Comparative Anatomy of Vertebrates*.

## XVI. Physiology.

Professors: . . . . D. Fraser Harris, M. D., D. Sc., F. R. S.S. E. and C.

**1A. General Physiology.**—*Monday, Wednesday and Friday, 11-12 a. m., and Saturday, 12-1 p. 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 course cannot be offered for a degree in Medicine.

The classes in Physiology 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, or by other students in Arts or Science who may be permitted to enter them.

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.

## XVII. 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.

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.

## XVIII. Theory and History of Music.

The classes in the Theory of Music and History of Music conducted in the Hallifax 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.

## XIX. Mechanics.

Professor . . . . . J. N. Finlayson, M. Sc.

**1. Elementary.**—*Tuesday and Thursday, 11-12 a. m.*

Pre-requisite.—Matriculation Mathematics.

The course is primarily intended for Engineering students and for those students in Arts and Science who desire more Physics than is given in Physics 1. It must be taken by all students intending to take Honours in Mathematics or Physics.

Text Books: *Lower: Mechanics and Hydrostatics for Engineers. Giancoli: Mechanics and Hydrostatics.*

For Distinction: Extra reading will be assigned.

**2. Advanced.**—*Tuesday and Thursday, 10-11 a. m.*

Pre-requisites.—Mechanics 1, 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. The course is illustrated by practical problems.

Text Books: Miller and Lily: *Analytic Mechanics. Mosley: Mechanics for Engineers.*

### Engineering Courses.

**3. Graphical Statics.**—*Monday, 12-1 a. m.; Tuesday, 2:30-5:30 p. m.*

Pre-requisites.—Drawing 1 and Mechanics 1.

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.

Text Book: *Mosley: Mechanics for Engineers.*

**4. Mechanics of Machines.**—*Monday and Wednesday, 9-10 a. m., and Friday, 9-11 a. m.*

Pre-requisites.—Drawing 1, Mechanics 1, 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.

**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.

*Text Book:* Darby: *Elements of Machines*.

**5. Materials of Construction.**—*Wednesday, 12—1 p. 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; lime; concrete; stone and brick masonry; timber; preservation of timber; standard specifications.

*Text Book:* Moore: *Materials of Engineering*.

## XX. Surveying.

*Professor*..... J. N. Finlayson, M. Sc.

*Lectures: Monday and Wednesday, 10-11 a. m. Field Work: First Term, Mapping. Second Term, Friday, 2.30-5.30 p. m., and Saturday, 9 a. m.—1 p. 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. The work includes theory, practice in field work and plotting, and conventional representation of topographical features.

*Text Book:* Raymond: *Plane Surveying*.

## XXI. Drawing.

*Professor*..... J. N. Finlayson, M. Sc.

**1. Mechanical Drawing.**—*Tuesday, 2.30—5.30 p. m.; Saturday, 9—12 a. m.*

This course is required of all Engineering students and of all students proceeding to the degree of B. Sc. It deals with freehand lettering and object drawing; geometrical exercises; detail and assembly drawings and tracings of simple machines.

*Text Book:* Adams: *Mechanical Drawing*.

**2. Descriptive Geometry.**—*Lecture: Friday, 12—1 p. m.; Drawing: 2.30-5.30 p. m.*

*Pre-requisite.*—Drawing 1 (or taken simultaneously) and Matriculation Mathematics.

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. The course aims not only to develop the power to visualise magnitudes involving three dimensions, but also to point out practical applications to engineering work.

*Text Book:* Armstrong: *Descriptive Geometry*.

**3. Advanced Mechanical Drawing.**—*Three hours per week.*

This course is required of all engineering students and consists of perspective detail drawings and tracings of more difficult machine parts. Lectures are given during the course dealing with draughting room methods and explanation of designs.

# Faculty of Law.

## Preliminary Statement.

The Faculty of Law was organized in 1883. A curriculum was prescribed extending over three years and leading to the degree of Bachelor of Laws.

The chair of Constitutional and International Law was endowed by George Munro, of New York, as one of his many generous benefactions to the University. R. C. Weldon, Ph. D., was appointed to this professorship in 1883, and was made Dean of the Faculty, and held this position until his retirement from teaching in 1914. The Faculty contains one other professorship, that of Contracts, which has been held continuously from the beginning by Dr. Benjamin Russell, now of the Supreme Bench of Nova Scotia. The other members of the teaching staff are voluntary lecturers from the Bench and Bar of the Province.

The Law School occupies the first two floors of the north wing of the Forrest Building, the office of the Dean being on the first floor, and the Law Library, containing 8,000 volumes, on the second floor.

## Affiliated Courses.

A Bachelor of Arts of this University who has taken as part of his course for that degree the subjects of Constitutional History, Contracts, Torts and Crimes, may complete a subsequent Law course in the University in two years.

A Bachelor of Arts of the University of King's, Acadia, St. Francis Xavier, Mount Allison, or New Brunswick, who has taken as part of his course for that degree the subjects of Constitutional History, Contracts, Torts, and either Crimes or International Law (according to the arrangement with the different universities), may similarly complete a subsequent Law course in this University in two years.

### Arrangements with the N. S. Barristers' Society.

Arrangements have been made with the Nova Scotia Barristers' Society whereby the University, when the Society desires it, will appoint two co-examiners for any subject of examination, one of them to be nominated by the Society. The Society in return will exempt from its Intermediate and Final Examinations the holder of the degree of Bachelor of Laws from Dalhousie University, but expressly stipulates that the examinations passed by the student must have included one by co-examiners on Procedure and Practice.

As students are expected to familiarize themselves with the subject-matter of the subjects of examination, whether covered by the lecturer or not, they are advised to consult not only the reference books recommended by the lecturer, but also those in the printed syllabus of the Intermediate and Final Examinations of the Nova Scotia Barristers' Society.

The following information abstracted from the regulations of the Society is given for the benefit of those seeking admission to the Bar in this Province.

An applicant for admission to the Bar must pass three examinations, Preliminary, Intermediate and Final.

#### Preliminary Requirements of the Society.

The Preliminary requirements must be satisfied before a candidate can be admitted as an articled clerk. In lieu of the examination certain certificates may be accepted. The subjects of examination are:—

1. English.
2. Geography and History.
3. Mathematics.
4. Latin.
5. Greek, or French, or German.

The grade of difficulty and comprehensiveness of the examinations is that of the corresponding examinations of the first year of a course in Arts of a recognized University. For the syllabus of the subjects see the printed regulations of the Society.

Candidates may be exempted from the Preliminary examinations, in whole or in part, as follows:—

(a) a candidate who presents to the Secretary satisfactory certificates of having completed Matriculation into any College or University approved by the Council of the Society for the purpose, and also of having attended and passed at some College or University approved by the Council of the Society for the purpose, at least five regular classes of the course for the degree

of Bachelor of Arts, of which English, Mathematics, Latin and another foreign language shall be four;

(b) a candidate who presents to the Secretary a satisfactory certificate that he is the holder of the diploma of Bachelor of Arts from any College or University approved by the Council for the purpose.

#### Intermediate and Final Examinations of the Society.

"No candidate who does not hold the degree of Bachelor of Arts from a College approved for the purpose shall be admitted to an Intermediate examination unless he has served as a duly articled clerk for at least two years. Any candidate holding such degree may be admitted to the Intermediate examination after he has served as a duly articled clerk for one year."

"No candidate shall be admitted to a Final examination until the expiration of at least twelve months from his having passed the Intermediate examination, or such examination or examinations as are accepted in lieu thereof.

The time during which a student must serve under articles of clerkship is three years, & (1), during this time he is a Bachelor of Arts, or, (2), at the time of application for admission to the Bar he is a Bachelor of Laws, of a recognized university. The time for all other students is four years.

A student during his term of service shall not engage in any employment, other than attendance at an institution of education in law, which will have the effect of interfering with such services.

#### General University Regulations.

University regulations applicable to the students of all Faculties and relating to registration, residence, church attendance, discipline, etc., will be found in the University Calendar, pp. 17-20.

#### Degree.

The only degree conferred in the Faculty of Law is that of Bachelor of Laws (LL. B.).

#### Academic Year.

The Academic Year consists of one session of about thirty-two weeks duration. The session of 1919-20 will begin on Wednesday, Sept. 24th, 1919, and end on Thursday, May 6th, 1920. The last day on which students can register for the work of this session is Saturday, October, 4th.

#### Admission.

Students are admitted to classes either as Special students without formal examination, or as Under-

graduates in Arts taking the Affiliated subjects in Law for the degree of Bachelor of Arts, or as regular Undergraduates in Law.

Subject to the University regulations for the admission of students (p. 9), a Special student may be admitted to classes in this Faculty; but his attendance is not recognized as qualifying for a degree.

An undergraduate in Arts looking forward to the study of Law may take Constitutional History, Contracts, Torts and Crimes in this Faculty in place of three of the eight electives required for the degree of Bachelor of Arts (p. 23).

All other candidates for admission must have completed Matriculation, and must also present a satisfactory certificate of having attended and passed at some degree-granting College or University, recognized by the Senate for the purpose, at least five regular classes of the course for the degree of Bachelor of Arts, of which English, Mathematics, Latin and another foreign language shall be four.

Students presenting themselves for the first time to register in the Faculty of Law must submit to the Committee on Admission their Diplomas or Certificates to establish their qualifications, and *these must prove acceptable before the student can be registered. Students are consequently advised to mail such Certificates to the Dean for appraisal, as far in advance as possible.*

Undergraduates of other approved Law Schools may, on producing satisfactory certificates, be admitted to advanced standing in this Law School. (p. 16).

### Matriculation.

For details of the requirements in Matriculation see pp. 10-15.

### Curriculum.\*

#### First Year.

|                         |                |
|-------------------------|----------------|
| History of English Law. | Crimes.        |
| Contracts.              | Real Property. |
| Torts.                  |                |

\*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.

Students who have not already taken Constitutional History as part of their required Preliminary Year in Arts must take that subject also in their first year.

#### Second Year.

|                  |                           |
|------------------|---------------------------|
| Evidence 1.      | Agency.                   |
| Equity 1 or 2.   | Wills and Administration. |
| Bills and Notes. | Partnership.              |
| Sales.           | Procedure.                |
| Insurance.       | Dominion Statutes.        |

#### Third Year.

|                    |  |
|--------------------|--|
| Evidence 2.        | Constitutional Law.                            |
| Equity 2 or 1.     | Shipping.                                      |
| Corporations.      | Mortgages and Suretyship.                      |
| Conflict of Laws.  | Procedure.                                     |
| International Law. | Practical Statutes and Rules of Interpretation |

Detailed information regarding the classes included in these courses will be found under Courses of Instruction, p. 84 *et seq.*

No student shall be allowed to take a class belonging to a year in advance of his own year without special permission from the Faculty.

No student shall be allowed to take classes in other faculties of the University, without special permission from the Faculty of Law.

The Faculty urgently recommends that students devote their whole time during sessions to the work of the School, experience having proved that students who undertake office work in addition to the work of their classes receive comparatively little advantage from the lectures.

#### Round Table.

Students of the second and third years will be required to attend and take part in weekly meetings, presided over by the Dean or another member of the staff, at which important current decisions of British and Canadian Courts will be discussed.

#### Attendance.

In order to be permitted to write an examination, a student must have credit for attendance on 90 per cent. of the lectures or other meetings of the class in question.



## Examinations.

## Christmas Examinations.

Christmas Examinations will be held immediately before the Christmas vacation. The subjects in which such examinations are to be held will be announced ten days in advance.

## Sessional Examinations.

Sessional Examinations in all classes will be held after the close of lectures in the spring.

## Supplementary Examinations.

If a student fail to pass in not more than two subjects of his first year, or in not more than three subjects of his second or third year, at the Sessional examinations, he may be allowed a Supplementary examination in such subject or subjects at the specified times for such examinations. In case of more serious failure he must repeat his year.

If a student fail in more than one subject of his year, he must pass in at least all but one of them at a subsequent Supplementary examination before he can enter upon the studies of the next higher year.

Supplementary examinations are held at the beginning and end of the Session, on the dates to be found in the Almanac, but at no other times.

Students who wish to present themselves at a Supplementary examination must make written application to the Dean on or before the date set in the University Almanac for receiving applications, and the fee must in all cases accompany the application for examination.

## Medal.

University Medal in Law.—This medal will be awarded on graduation to the student standing highest among those taking the full regular third year curriculum, provided he reaches a very high standard of excellence, and obtains First Class Distinction in at least all but three of the subjects of examination.

## Fees.

All fees and deposits are payable in advance, and until these are paid the student will neither receive credit for attendance upon any class, nor be admitted to any examination. On account of the great increase in expenses the University has been compelled to increase the fees for tuition.

## 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, for registration after the beginning of lectures..... | 2 00    |

The Registration Fee entitles a student to the use of the University Library, the Law Library, the Athletic Field and Student Building.

## For Tuition, Examinations and Diplomas.

|  |          |
|--|----------|
| For each class attended, when taken singly.....  | \$ 20 00 |
| Payable by those taking the prescribed curriculum, each year.....  | 100 00   |
| Payable by a B. A. who has taken the Affiliated subjects as a part of the work for that degree, and is allowed to complete the Law course in two years, each year..... | 120 00   |
| Students departing from the prescribed curriculum will be charged for each class singly; but the maximum charge for three years shall be.....                          | 400 00   |
| For each Supplementary examination.....  | 5 00     |
| For L.L. B. diploma (payable before the Third Year or final examinations, and returnable in case of failure).....  | 10 00    |
| Additional for degree conferred in absentia.....   | 5 00     |

A class taken a second time is charged for as if taken for the first time.

See pages 19 and 20 for

Fee for Support of Student Organizations.  
Caution Deposit.  
Students Loan Fund.

## COURSES OF INSTRUCTION.

## Constitutional and International Law.

(George Munro Professorship).

Professor.....Dean MacRae.  
Lecturer.....

## Constitutional Law.

Three lectures per week.

Constitutional Conventions. Royal Prerogative. *Les Parlements*. Colonial Laws Validity Act. British North America Act.

Text Books: Cameron: *Cases decided in the Privy Council on the Canadian Constitution*. Clement: *Canadian Constitution*. Letroy: *Federal System*. Dyer: *Law of the Constitution*.

## Constitutional History.

Three lectures per week.

Anglo-Saxon Institutions. Feudalism in England. The Magna Carta and the Council of Barons. Origin and growth of the Two 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.

Text Books: Trench-Langendo: *Constitutional History of England*. Adams: *Outline Sketch of English Constitutional History*.

## Conflict of Laws.

Two lectures per week.

Outline history of Private International Law. Nationality and Naturalization. Domicile. Capacity. Marriage and Divorce. Movables and Immovables. Contracts. Torts. Procedure. Foreign Judgments.

Text Books: Westlake: *Private International Law*. Dyer: *Conflict of Laws*. Foster: *Private International Jurisprudence*.

## International Law.

One lecture per week.

History of North Atlantic Fisheries. Convention of London, 1818. Territorial Waters. Treaty of Washington, A. D., 1871. Consuls. Commercial Treaties. Extradition. Blockade. Contraband. Intervention. Capture. Prize Courts.

Text Book: Hall: *International Law*.

## History of English Law.

Three lectures per week.

Elements going to the making of English Law. Anglo-Saxon Law. Norman Law. Innovations of Henry II. Original Writs. Forms of Action. Trespass, Case, Assumpsit, etc. Modern Reforms. Outline of Common Law Pleading. English Reports and Reporters.

Text Books: Pollock and Maitland: *History of English Law*. Maitland: *Forms of Action*. Dutton: *Student's Legal History*. Jenks: *Short History of English Law*.

## Contracts.

Professor.....Professor Russell.

Three lectures per week.

Definition of terms: agreement, consideration, proposal, acceptance, promise, etc. Persons who may contract. Principal and Agent. Disabilities arising from infancy, coverture, lunacy, intoxication, etc. Express and implied contracts. Verbal and written contracts. Specialties. Statutory requirements as to the validity and authentication of contracts. Statute of Frauds. Causes vitiating agreements: mistake, fraud, duress, etc. Discharge of contracts, rescission, performance, payment, release, merger, etc. Leading cases.

One hour per week is devoted to preceptorial conferences.

Text Book: Williston's *Cases*. Adams on *Contracts*.

## Equity Jurisprudence.

Lecturer.....Professor Russell.

1. Two lectures per week. (1919-20).

Fraud and Misrepresentation. Mistake. Accident. Reformation and Cancellation of Instruments. Trusts.

2. Two lectures per week. (1920-21). Subjects of lectures:

Specific performance. Injunctions. *Quia Timet* actions. Bills of Peace.

Text Books: Maitland: *Lectures on Equity*. Smith: *Principles of Equity*.

## Shipping.

Lecturer.....C. J. Burchell, M. A., LL. B., K. C.

One lecture per week.

Registration of Shipping. Transfer. Mortgage. Charter Party. Bill of Lading. Collision. Damage. Salvage. Freight. Tonnage. General Average.

Text Book: McLachlan: *Shipping*.

## Sales of Personal Property.

Lecturer.....J. McG. Stewart, B. A., LL. B.

One lecture per week.

Capacity to buy and sell. Executed and executory contracts of sale. Statute of Frauds. Lord Tenterden's Act. Rules as to

passing of property. Reservation of *ius disponendi*. Stoppage in transitu. Condition. Warranty, express and implied. Remedies of seller and buyer. Sale of Goods Act.

Text Book: Benjamin on Sale.

### Torts.

Lecturer..... Judge Wallace.

Two lectures per week.

Definitions. Torts considered with reference to Crime and Contracts. Deceit. Slander and Libel. Malicious Prosecution. Conspiracy. Assault and Battery. Trespass to Property. Conversion. Nuisance. Negligence.

Text Book: Bigelow or Pollock.

### Crimes.

Lecturer..... W. J. O'Hearn, LL. B.

One lecture per week.

Sources of Criminal Law. Offences against Public Order, internal and external. Offences affecting the administration of Law and Justice. Offences against Religion, Morals, and Public Convenience. Offences against the Person and Reputation. Offences against rights of property and rights arising out of Contract and offences connected with trade. Procedure. Proceedings after conviction.

Text Books: Craikshaw: The Canadian Criminal Code. Kenny: Criminal Law.

### Evidence.

Lecturer..... Judge Patterson.

1. One lecture per week.

Relevancy and Rules of Exclusion.

Text Books: Phillips on Evidence. Odger: *Law of Evidence*. Cockle: *Cases on Evidence*. Phillips's Best: *Evidence*.

2. One lecture per week.

Proof.

Text Books: Odger: *Law of Evidence*.

### Bills and Notes.

Lecturer..... Judge Patterson.

One lecture per week.

Formal Requisites. Consideration. Endorsement and Transfer. Real and Personal Defences. Over-due Paper. Notice of Dishonour Protest.

Text Book: Russell on Bills.

### Partnership.

Lecturer..... F. H. Bell, K. C.

One lecture per week.

Partnership, and Companies and Corporations.

Text Book: Pollock: *Partnership*.

### Insurance.

Lecturer..... E. P. Allison, K. C.

One lecture per week.

The Contract of Insurance. Conditions, statutory and otherwise. Agency. Waiver and Estoppel. Warranties and Representations. Arbitration.

Text Book: Halebury: *Law of England*, vol. 17, title *Insurance*.

### Corporations.

Lecturer..... Dean MacRae.

Two lectures per week.

History of Corporations and Company legislation. Dominion and Provincial Acts. Incorporation and organization. Leading principles of Company law. Cases.

Text Books: Palmer: *Company Law and Procedure*. Lindley: *Companies*.

### Real Property.

Lecturer..... John E. Read, B. A.

Two lectures per week.

Estates in lands. Seisin. Limitation of present and future estates in lands. Joint tenancies and tenancies in common. Equitable estates in lands.

Text Books: Williams on *Real Property*, and Challis on *Real Property*.

### Wills and Administration.

Lecturer..... Mr. Justice Mellish.

Two lectures per week.

Origin of Wills. The Statute of Frauds as affecting Wills. Form and characteristics of instrument. Personal disabilities of testators. What may be devised or bequeathed. Execution, publication, revocation and republication of Wills. The Wills Acts of the various Maritime Provinces. Probate Court practice.

Text Book: Hays and Jarman on Wills.

## Statutes.

## Practical Statutes and Rules of Interpretation.

Lecturers..... J. Sherman Rogers, LL. B., K. C.  
 E. R. Macnutt, M. A., LL. B.

One lecture per week.

Principles of Interpretation and Construction. Careful study of statutes of practical importance other than those dealt with in other courses. Drafting of Instruments, etc. The work of this course is confined to statutes falling within the legislative competence of the Provinces.

Text Book: Maxwell's *On Statutes*.

## Dominion Statutes.

Lecturer..... Dean MacRae.

Two lectures per week.

Rapid survey of Dominion Statutes of minor practical importance, and more careful study of those of greater importance, including the Bank Act, the Railway Act, the Interest Act, etc. Statutes dealt with in other courses are not included in this course.

## Procedure.

Lecturer..... T. R. Robertson, B.A., LL. B., K. C.

One lecture per week for two years.

Historical Introduction. Forms of Action. General Sketch of Proceedings. Logical Rules of Pleading. Common Law Pleading. Pleading in Equity. The Judicature Act and Rules. The work in Procedure is divided between the second and third years.

Books Recommended: *Oliver: Pleading and Practice. The Nova Scotia Judicature Rules.*

## Agency.

Lecturer..... Stuart Jenks, LL. B., K. C.

Two lectures per week.

Principles of the Law of Agency, including Master and Servant.

Text Book: *Downs: On Agency.*

## Mortgages and Suretyship.

Lecturer..... T. W. Murphy, K. C.

One lecture per week.

## Faculty of Medicine.

## Preliminary Statement.

In accordance with an agreement entered into in 1911 between the Governors of Dalhousie University and the Corporation of the Halifax Medical College, the work of the latter institution was forthwith discontinued, and instruction in all subjects of the medical curriculum was undertaken by the University.

By an arrangement between Dalhousie University and the Provincial Medical Board of Nova Scotia, the Professional examinations are conducted conjointly by the University and the Board, and hence candidates may qualify at the same time for the academic degree and the license of the Board.

## Important Notice.

Students who look forward to practising in some other province are reminded that they must conform to the regulations prescribed by the Medical Board or Council of that province. Official information relative to the regulations for license to practise in the various provinces may be obtained from the Registrars of the Provincial Medical Boards or Councils. The names and addresses of the Registrars of the Medical Boards for the Maritime Provinces and Newfoundland are as follows:

Nova Scotia: Dr. W. H. Hattie, Halifax.

New Brunswick: Dr. Stewart Skinner, St. John.

Prince Edward Island: Dr. S. R. Jenkins, Charlottetown.

Newfoundland: Dr. H. Resdell, St. John's.

## Privileges.

The General Medical Council of the United Kingdom admits graduates in Medicine of Dalhousie University who are at the same time duly registered in the Medical Register of Nova Scotia, to the privilege of registration in the Colonial List of the British Medical Register. Such graduates thereby become entitled to the same privileges as persons registered in the regular Home

Register. These privileges include the right to practise in Britain and in certain British colonies and other countries; also admission to the army and other medical services. Graduates of Dalhousie University are accordingly eligible for nomination under the following Militia Order:

"The Imperial Army Council has intimated that two commissions in the Royal Army Medical Corps will be granted annually to candidates who have qualified in 'the Medical Schools of Canada.'"

For information relative to registration in the Colonial List of the British Register application should be made to the Medical Registrar of Nova Scotia. Information with regard to the Army Commissions will be furnished on application to the Militia Headquarters of the nearest Command or District.

#### Equipment.

The University laboratories of Physics and Chemistry are in the new Science Building on the Studley site. The University laboratory of Biology, the equipment of which has been largely increased through the generosity of James H. Dunn, Esq., of London, is in the Forrest Building. In this building are also the Medical laboratories of Anatomy, Pharmacy, Histology and Physiology. The laboratory of Pathology and Bacteriology, which has been erected and equipped by the Hospital Commission in connection with the Victoria General Hospital, is available for the use of medical students and affords superior facilities for both elementary and advanced study of these subjects.

As a result of a very satisfactory Anatomy Act, there is an ample supply of material for dissection and for Operative Surgery. In addition to mounted skeletons, there is a large supply of disarticulate bones, which are loaned to students free of charge for study at home.

The clinical advantages enjoyed by students in Halifax are exceptionally good, owing to arrangements by which students are admitted for purposes of clinical instruction to the wards of the Victoria General Hospital, the Children's Hospital, the Lying-in and Hospital wards of the City Home, and the Nova Scotia

Hospital for mental diseases. The three first-named institutions adjoin the University grounds. The University has recently given a site to the Salvation Army for the erection of a Maternity Hospital with 60 beds to cost \$150,000. In return the University is to have the privilege of using all the free beds for clinical teaching.

The Victoria General Hospital, which accommodates 170 patients, affords admirable opportunities for the observation and study of the more acute and serious forms of disease. In its special wards, diseases of women and children, skin diseases and diseases of the eye, ear, throat and nose, are clinically studied. In the Hospital wards of the City Home, near by, are found the more chronic and incurable forms of disease; while in the Lying-in wards of the same institution, students are afforded facilities for acquiring experience in Practical Obstetrics.

In the Nova Scotia Hospital, accommodating 430 patients, students are able to study clinically the various forms of mental and nervous diseases.

Besides the above institutions, the Visiting Dispensary, which is open daily, provides the opportunities for observation and study commonly afforded by the outpatient department of hospitals. Clinical instruction is also given here in the diseases of the eye and ear.

#### General University Regulations.

University regulations applicable to the students of all Faculties and relating to registration, residence, church attendance, discipline, etc., will be found in the University Calendar, pp. 17-20.

#### Academic Year.

The Academic Year consists of one session of eight months' duration. The session of 1919-20 will begin on Wednesday, Sept. 24th, 1919, and end on Thursday, May 27th, 1920. No student will be admitted after Saturday, Oct. 4th.

#### Degrees.

Two medical degrees are conferred, viz., Doctor of Medicine (M. D.) and Master of Surgery (C. M.); but neither degree is conferred on any person who does not at the same time obtain the other.

### Admission and Grading.

1. All Undergraduates in Medicine are admitted to the full work of the *first* year. So, also, are Matriculants in Medicine, that is, those who are admitted to the study of Medicine but are deficient in one subject of Matriculation; *but they are required to complete their Matriculation before being admitted to the second year of the course.*

2. For admission to any class of the *second* year, a student must have passed in the classes preliminary or pre-requisite to such class, as indicated in the syllabus under "Courses of Instruction." (pp. 100, *et seq.*)

3. For admission to the classes of the *third* or any higher year, an undergraduate must have passed the examinations required in all the subjects of the preceding years.

4. Subject to the University regulations for the admission of students (see University Calendar, page 9), a Special student may be admitted to classes in this Faculty, but his attendance is not recognized as qualifying for a degree.

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

No person under sixteen years of age is admitted to any class.

### Matriculation.

Full details of the requirements for Matriculation will be found in the University Calendar, pp. 10-15, and in Chap. I of the Annual Announcement of the Provincial Medical Board.

### Curriculum.†

The course for the degrees of Doctor of Medicine and Master of Surgery extends over five years. Detailed information regarding the classes included in it will be found under "Courses of Instruction" (pp. 100 *et seq.*). The course is as follows:

†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 provisions and conditions now laid down.

#### First Year.

|               |                          |
|---------------|--------------------------|
| Physics 1.    | Practical Anatomy.       |
| Chemistry 1B. | Physiology 2.            |
| Biology 1.    | Elementary Bacteriology. |

#### Second Year.

|                    |                           |
|--------------------|---------------------------|
| Chemistry 3 and 4. | Practical Anatomy.        |
| Anatomy 1.         | Physiology 1 and 3.       |
| Human Embryology   | Practical Materia Medica. |

#### Third Year.

|  |                     |
|--|---------------------|
| Practical Anatomy.                             | Materia Medica.     |
| Physiology 4.                                  | Surgery 1.          |
| Pathology 1 and 2.                             | Practical Surgery.  |
| Bacteriology 1 and 2.                          | Medicine 1.         |
| Clinical Microscopy and<br>Clinical Chemistry. | Practical Medicine. |

#### Fourth Year.

|                       |                        |
|-----------------------|------------------------|
| Surgery 2.            | Medical Jurisprudence. |
| Clinical Surgery.     | Therapeutics.          |
| Medicine 2.           | Hygiene.               |
| Clinical Medicine.    | Morbid Anatomy.        |
| Paediatrics.          | Post Mortems.          |
| Obstetrics. 1 and 2.  | Hospital.              |
| Practical Obstetrics. | Dispensary.            |

#### Fifth Year.

|                       |  |
|-----------------------|--|
| Anatomy 3.            | Skin Diseases.                         |
| Operative Surgery.    | Eye, Ear, Nose and Throat<br>Diseases. |
| Clinical Surgery.     | Dressing.                              |
| Clinical Medicine.    | Clerking.                              |
| Clinical Paediatrics. | Vaccination.                           |
| Clinical Obstetrics.  | Post Mortems.                          |
| Practical Obstetrics. | Hospital.                              |
| Clinical Gynaecology. | Medical Ethics.                        |
| Mental Diseases.      |  |

### Regulations for Degrees.

In addition to the Matriculation or Preliminary examination, candidates for degrees are required to pass five Professional examinations. The requirements in

each subject are covered by the work of the class or classes in that subject specified under "Courses of Instruction" (pp. 100, *et seq.*). The examinations in the various subjects will be held on the dates set in the University Almanac, or posted on the Notice Boards, and are arranged as follows:

**\*First Professional Examination.**

One paper in each of the following subjects: Physics, Chemistry, Biology, Histology; and an oral examination in Anatomy.

**\*Second Professional Examination.**

One paper and a laboratory examination in Chemistry; one paper and an oral examination in Anatomy, including Embryology; one paper and an oral and practical examination in Physiology, including Histology.

**Third Professional Examination.**

An oral examination in Anatomy; one paper and an oral examination in (a) Pathology, (b) Bacteriology, and (c) Materia Medica; one paper in each of the following: (a) Physiology, (b) Surgery, (c) Medicine; and a practical examination in Clinical Microscopy and Clinical Chemistry.

**Fourth Professional Examination.**

One paper in each of the following subjects: (a) Surgery, (b) Medicine, (c) Paediatrics, (d) Obstetrics and Gynaecology, (e) Medical Jurisprudence, (f) Therapeutics, (g) Hygiene.

**Fifth or Final Professional Examination.**

One paper and an oral examination in each of the following subjects: (a) Surgery in all departments and including Surgical Anatomy, (b) Medicine in all departments, and Therapeutics, (c) Obstetrics and Diseases of Women and Children, (d) Mental Diseases. Also a practical clinical examination in (f) Surgery and in (g) Medicine.

**Pass and Distinction Lists.**

The names of candidates successful in the examinations are arranged in the published lists in two divisions,

\*Candidates are permitted certain modifications of the above order as far as regards the first and second Professional examinations, subject to the regulations under "Admission to Examinations." (See p. 95).

the Pass and the Distinction divisions. To pass, a candidate must obtain a minimum mark of 40 per cent. in the pure sciences, Physics, Chemistry and Biology, and a minimum mark of 50 per cent. in all other subjects. To win Distinction in any subject he must obtain a mark of 75 per cent. or over in that subject. The names in the "pass" division of the list are arranged in alphabetical order; the "distinctions" are in order of merit.

**Admission to Examinations.**

Candidates for admission to Degree examinations must conform to the following requirements:

1. They must have satisfied the Matriculation or Preliminary requirements (see under "Admission and Grading" sec. 1, p. 92).

2. They must have attended the prescribed classes regularly and punctually. Certificates indicating less than 90 per cent. of attendance upon any class will not in ordinary circumstances be accepted.

3. They must have prepared such exercises, reports, etc., as may be prescribed, and, in the case of classes involving laboratory or practical work, they must have completed such work satisfactorily.

4. For admission to the examinations of the second or any higher year they must have passed the examinations indicated in sec. 2 or 3, as the case may be, under "Admission and Grading" (page 92).

5. Candidates for the Final Professional examination will be required to subscribe to the following declaration with regard to their age:

Halifax, ..... 19..

I, the undersigned, being desirous of obtaining the Degree of Doctor of Medicine and Master of Surgery, do hereby declare that I have attained the age of twenty-one years (or, if the case be otherwise, that I shall have attained the age of twenty-one before the next graduation day).

(Signed) .....

They must also present satisfactory certificates of having fulfilled the following requirements:—

- i. Attended during two periods of at least 6 months each the practice of the V. G. Hospital.
- ii. Attended during at least 6 months additional the practice of the Halifax Dispensary.
- iii. Served at least 6 months as a Clinical Clerk in the Medical Wards of the V. G. Hospital, and having taken complete histories of at least 15 Medical Cases.
- iv. Served for a similar period as Dresser in the Surgical Wards, and having taken complete histories of at least 15 Surgical Cases.
- v. Attended a course in Operative Surgery, and having performed operations on the dead body to the satisfaction of the Teacher.
- vi. Attended at least 6 Maternity Cases under a recognized practitioner.
- vii. Received instruction and attained proficiency in the administration of Anaesthetics.
- viii. Received instruction and attained proficiency in the practice of Vaccination.
- ix. Attended the Post Mortem Examinations at the V. G. Hospital during at least 6 months, and having received practical instruction in the methods of making such examinations and in framing Reports.

#### Supplementary Examinations.

1. A candidate who has failed to pass in one or more subjects of the first or second year may be admitted to a Supplementary examination in such subjects, provided he has attained a sufficient standing in each of such subjects. In case of serious failure in his classes he may be required to repeat his year.
2. A candidate who has failed to pass in not more than two subjects of the Degree examinations of the third or any higher year, shall be entitled to a Supplementary examination in such subjects.
3. A candidate who has failed to pass in more than two subjects of the third or any higher year examination, may be required to repeat his attendance and class work in these subjects, or in all the subjects of his year, before being admitted to re-examination.

4. Supplementary examinations are held in the Autumn on the dates specified in the University Almanac, and during the regular Professional examinations in May, but at no other times.

5. Application for admission to a Supplementary examination must be made on or before the date set in the University Almanac for receiving applications, on a form to be obtained from the Secretary of the Faculty of Medicine, and must be accompanied by the proper fee. (p. 99).

#### Exemptions.

Candidates may be exempted from *attendance* on one or more subjects of the first four years of the medical curriculum on presenting certificates,

- (a) of having passed the Matriculation, or an equivalent, examination\* after the completion of their sixteenth year, and before entering upon their medical course; and
- (b) of having attended and performed the required class-work at any medical school or college recognized by the Senate.†

Candidates may be exempted from *examination* in one or more subjects of the first four Professional examinations on presenting in addition to the certificates specified under (a) and (b) above, certificates of having passed equivalent examinations at any medical school or college recognized by the Senate for the purpose.

Certificates exempting from attendance and examination may be accepted in Physics, Chemistry, and Biology, if when these classes were attended the candidate was qualified to offer them for an Arts or Science degree.

#### Sponsio Academica.

Before admission to his degree, a candidate shall be required to sign the following oath or affirmation:—

In faculiate Medicinæ Universitatis Dalhousianæ.

Ego, Doctoratus in Arte Medica titulo Jans donandus, sancto coram Deo cordium scrutatore, spondeo:—*me in omni grati animi*

\*All information in reference to requirements for the Preliminary examination of the Provincial Medical Board, examinations, etc., may be obtained on application to the Registrar of the Board, Dr. W. H. Harris, Provincial Health Officer, Halifax.

†In regard to Practical Materia Medica a certificate of having had three months practice in the dispensing of drugs with a registered druggist or dispensing medical practitioner may be accepted.



officio erga Universitatem Dalhousianam ad extremum vitæ halitum, perseveraturus. Tam porro Artem Medicam caute, caste, probeque exercitaturus et quoad potero, omnia ad ægrorum corporum salutem conducens, cum fide procuraturus. Quæ denique, inter medendum visæ vel audita silere convensiat, non sine gravi causa vulgaturus. Ita præsens sibi spondenti adit Nurus.

### Medals and Prizes.

**University Medal in Medicine.**—This medal will be awarded on graduation to the student who stands first at the Final M. D., C. M. examination, provided he shall have obtained Distinction in at least four of the subjects of examination, and has reached an exceptionally high standing on the work of the last three years of the course.

**The Dr. Lindsay Prize.**—A prize of Books will be awarded to the student who stands first among those taking the Second Professional examination, provided he shall have obtained Distinction in at least two of the subjects of examination.

**Professor Cameron's Prize.**—A prize of Books will be awarded to the student of the First Year who makes the highest mark in the Practical Anatomy class.

**Professor D. Fraser Harris' Prize.**—This prize is awarded to the student in the Histology class who makes the best collection of microscopic preparations, together with the best set of drawings.

### 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. On account of the great increase in expenses the University has been compelled to increase the fees for tuition.*

#### 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, for registration after the beginning of lectures..... | 2 00    |

The Registration Fee entitles a student to the use of the University Library, the Medical Library, Athletic Field and Student Building.

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

### For Tuition.

#### Payable by Students Taking Individual Classes.

|   |         |
|---|---------|
| Practical Anatomy, each year.....   | \$30 00 |
| Anatomy 1, Physiology 2 and 3, Pathology 2, each.....   | 25 00   |
| All other classes, each.....  | 20 00   |
| Admission to Victoria General Hospital, Hospital Laboratory, Children's Hospital, Maternity Hospital, Dispensary, each..... | 5 00    |

The fees payable for attendance upon classes a second time shall be in accordance with the above schedule, but the total tuition fee for such classes shall in no case exceed sixty-five dollars, exclusive of fees for admission to hospitals, etc.

The amount payable by a candidate for a degree who may be completing his course by attendance of only one year at Dalhousie University shall be in accordance with the above schedule, provided that the amount so payable be in no case less than one hundred dollars.

#### Tuition fees Payable by Students Taking the Regular Classes of any Year of the Curriculum.

|   |          |
|---|----------|
| For each year.....  | \$125 00 |
| Additional, payable by students of the third, fourth and fifth years, for Hospitals, etc..... | 10 00    |

### For Examinations.

*An application for an examination must be accompanied by the proper fee.*

|   |         |
|---|---------|
| Matriculation examination at an outside centre.....       | \$ 5 00 |
| †Special Matriculation examination.....                   | 4 00    |
| ††First, or any subsequent, Professional examination..... | 10 00   |
| Individual subjects, each subject.....                    | 5 00    |
| Supplementary examinations, each subject.....             | 5 00    |

### 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 |
| Diploma, when degree is conferred in absentia..... | 5 00    |

See pages 19 and 20 for

Caution Deposit,

Laboratory Deposits,

Fee for Support of Student Organizations,

Students' Loan Fund.

†A Matriculation examination taken by a student after his second Autumn term of attendance at the University will be charged for, as a Special examination (\$4.00) if taken in January, as a Supplementary (\$2.00) if taken in September.

††This includes the diploma fee. When a candidate for the M. D., C. M., degree has not taken all his professional examinations at this University, the fee payable to the University shall be \$40.00.

## COURSES OF INSTRUCTION.

## I.—Physics.

(George Munro Professorship).

Professor..... Howard I. Bromson, Ph.D., F. R. S. C.  
 Lecturer..... A. Stanley Mackenzie, Ph.D., F. R. S. C.  
 Instructor..... J. H. L. Johnstone, Ph. D.

## 1. General Physics.—Monday, Wednesday and Friday, 10-11 a. m.

Pre-requisite.—Matriculation Physics and Mathematics.

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, all students being required to hand in papers 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—4.30 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 Books: Kitchin's College Physics, Ames and Blair: Manual of Experiments in Physics.

## II.—Chemistry.

(McLeod Professorship).

Professor..... E. Mackay, Ph. D.  
 Instructor..... C. B. Nickerson, A. M.

## 1B. General Chemistry.—Lectures: Monday, Wednesday and Friday, 9-10 a. m. Laboratory: Tuesday, 11-12 a. m. and Saturday, 11 a. m.—1 p. m.

Lectures on General Chemistry covering the same ground as in Chemistry 1 in the Faculty of Arts and Science (University, Calendar, p. 69). At least three hours a week must be devoted to laboratory work.

Text Book: Smith's General Chemistry for Colleges.

## 3. Metals and Qualitative Analysis.—Lectures: Saturday, 9-10 a. m. Laboratory: Tuesday, 10-11 a. m., and Thursday, 10-12 a. m.

Pre-requisite.—Chemistry 1B.

Class Work.—Metals and their compounds, with special reference to those having medicinal or dental uses or toxic properties; elements of Physical Chemistry.

Laboratory Work.—Qualitative analysis, including the detection of the more commonly occurring poisons.

Text Book: Smith: General Chemistry for Colleges, F. M. Perkins: Qualitative Chemical Analysis.

## 4. Organic Chemistry.—Lectures: Tuesday and Thursday, 9-10 a. m.

Pre-requisite.—Chemistry 1B.

Purification and analysis of carbon compounds. The paraffins, ethylene, acetylene, benzene and their chief derivatives, especially those met with in Physiology and Therapeutics. In the laboratory a few typical carbon compounds are prepared and studied.

Text Book: Remsen: Compounds of Carbon, 5th edition.

## III.—Biology.

Assistant Professor..... Clarence L. Moore, M.A., F.R.S.C.

## 1. General Biology.—Lectures: Saturday, 9-10 a. m.; Laboratory: four hours, either Monday or Wednesday, 11 a. m.—1 p. m., or Friday, 2.30—4.30 p. m.

The aim of this course is to acquaint the student with some of the more important biological facts and theories and results of biological work; also to serve as an introduction to biological methods. It includes a general survey of the plant and animal kingdoms and the discussion of topics of fundamental biological importance, e. g., protoplasm, cell and cell structure, reproduction, inheritance, variation, adaptations, evolution, etc.

## IV.—Anatomy.

(Dr. D. G. J. Campbell Memorial Professorship).

Professor..... John Cameron, M. D., D. Sc., F. R. S. S. E. & C.  
 Demonstrators.....

## Lectures.

## 1. General Anatomy.—Monday, Wednesday and Friday, 12-1 p. m., and Tuesday and Thursday, 2.30—4.30 p. m.

This course is intended for second year students. Osteology and Arthrology will first be dealt with. The entire skeleton will be carefully studied, all the bones and joints being examined in detail. All the ordinary bones of the skeleton are supplied to students, both in the Practical Anatomy Room, and for study at home, on their making a deposit of the proper fee; but students are expected to provide themselves with the bones of the head.

The latter part of the course will be devoted to the consideration of the Regional Anatomy of the body. Lectures will be illustrated by fresh dissections, plates, diagrams and models.

Text Books: Cassanagham, Gray.

**2. Human Embryology.**—Monday, 10-11 a. m.

A course of lectures and demonstrations to students of the second year, devoted to an elementary study of the development of the form, organs and tissues of the human body.

Text Book: Paterson: *Manual of Embryology*.

**3. Surgical Anatomy.**—Friday, 3.30—4.30 p. m.

This course, to be taken by students of the fifth year, will consist of additional lectures and demonstrations on those portions of anatomy which are essential for the understanding of practical medicine and surgery and is therefore intended for students who are engaged in clinical work.

**Practical Anatomy.**

Special attention will be given to this branch. The Dissecting Room will be open daily, except Friday and Saturday, and will be under the direct supervision of the Professor of Anatomy, assisted by the Demonstrators, one or other of whom, in addition to the Professor, will be present during the hours while the class is in session every day, so that each student will be frequently examined and assisted during the progress of his dissections.

The course extends over three years, during which the student is required to have dissected each "part" twice.

Text Book: Cunningham.

**V.—Physiology.**

Professor . . . D. Fraser Harris, M. D., D. Sc., F. R. S.S. E. & C.  
Demonstrator . . . . . Miss Margaret Low.

The courses in Physiology and Practical Physiology include the study of the minute structure of the tissues and organs of man and the mammalia, and the composition and functions of the tissues, organs and systems of the human body.

**Lecture Courses.****1. General Physiology.**—Monday, Wednesday and Friday, 11—12 a. m., Saturday, 12—1 p. m.

Pre-requisites.—First year Medical classes.

This course consists of 180 lectures and is designed to give the students of the second year a knowledge of the elements of Human Physiology, especially in its relations to practical medicine. The lectures will include the physiology of the sense organs, the nervous system and reproduction.

**4. Advanced Physiology.**—Monday and Wednesday, 3-4 p. m.  
Pre-requisite.—Physiology I.

This course is intended for students of the third year, and will treat of such subjects as have not been dealt with in Physiology I.

Text Books: Howell: *Text Book of Physiology*. Fraser Harris: *Nerves* (Stoness University Library).

**Practical Physiology.****2. Histology.**—Tuesday and Thursday, 9-11 a. m.

This course, which consists of at least 50 meetings of two hours each, is intended for students of the first year. It is de-

signed to give the student a knowledge of the minute structure of the blood and all the tissues and organs of the human body.

The student will also be instructed in the methods of fixing, staining and examining tissues, as well as in the use of the microtome for cutting sections in paraffin and in gum.

A microscope and reagents are provided for each student, but members of the class are required to bring slides, cover-glasses, dissecting needles, slide-cabinets and drawing books.

Text Books: Schüfer: *Essentials of Histology*. (Latest edition). Jordan-Ferguson: *Text Book of Histology*.

**3. (a) Experimental Physiology.**—First Term, Friday, 2.30—4.30 p. m.

This course is intended for students of the second year. It is designed to give the students a practical acquaintance with the methods of the graphic recording of physiological phenomena.

In this course each student uses the sphygmograph, the sphygmometer, the cardiograph, the stethoscope, the laryngoscope, the ophthalmoscope, etc., so as to become familiar with the instruments used in medical diagnosis.

**(b) Bio-Chemistry.**—Second Term, Friday, 2.30—4.30 p. m.

This course is intended for students of the second year. It is designed to give students a practical acquaintance with the chemical nature of the bodily secretions and excretions, as well as that of the food-stuffs. In this class the methods employed in clinical medicine for examining the blood and the urine will be studied.

Text Books: Schüfer: *Experimental Physiology*. Halliburton: *Essentials of Chemical Physiology*. (Latest edition); or, Kuttan and Harding: *Laboratory Course in Chemistry for Medical Students*; or, Bangs-Pflüger: *Organic Chemistry for Medical Students*.

**VI.—Pathology and Bacteriology.**

Professor . . . . . Albert G. Nicholls, M. A., M. D., D. Sc., F. R. S. C.  
Demonstrator in Bacteriology . . . . . F. G. Mack, B. A., M. B.

**Pathology.****1. Lectures. General Pathology.**—Tuesday, Thursday and Friday, 9-10 a. m.

A course of lectures to third year students during the First Term, dealing with the general principles of Pathology, in which the following subjects will be considered: the morphology, physiology, and chemistry of the cell, the causes of disease; the morbid processes; the tissue changes; reaction and adaptation. In the latter portion of the course the relationship of the grosser animal parasites to the animal economy will be discussed. The oral examination will be held on the completion of the course, the written in the spring.

**2. Laboratory Work. Morbid Histology.**—Monday and Wednesday, 9-11 a. m.

A course during the First Term given to students of the third year. The lesions affecting the various organs will be taken up

systematically, and instruction will be given in the cutting, staining, and mounting of histological preparations. A representative series of microscopical preparations will be loaned to each student for purposes of study, after the mechanical technique shall have been mastered. The student will be expected to make drawings of his sections. An oral examination will be held in the spring.

### 3. Morbid Anatomy and Post Mortem Examinations.

Demonstrations to students of the third year will be given at suitable times on Morbid Anatomy. Systematic instruction will be given on this important subject to students of the fourth year one hour a week in the afternoon.

The students of the third, fourth and fifth years are required to attend and assist at all autopsies, and will receive instruction in the proper conduct of the same, and will be expected to prepare and mount all tissues removed at autopsy for purposes of diagnosis and report upon them.

#### Bacteriology.

**Elementary Bacteriology.**—Friday, 11 a. m.—1 p. m.

A course consisting of about eighteen lectures and demonstrations will be given during the early part of the First Term to students of the first year. The history of the subject, the simpler bacteriological technique, and the preparation of culture media, will be taken up.

#### 1. Lectures.

—Tuesday, Thursday and Friday, 9-10 a. m.

A course of lectures to third year students during the Second Term. The nature of bacteria, their morphology, staining reactions, and mode of growth will be discussed, as well as regular instruction given on their relationship to infective processes. The pathological processes will also be considered in this course.

#### 2. Laboratory Work.

—Monday and Wednesday, 9-11 a. m.

A course during the Second Term for students of the third year, in which will be considered the various culture media, methods of laboratory technique, the mode of growth and specific reactions of the more important bacteria. Particular attention will be given to methods of bacteriological diagnosis as applied to clinical medicine. Students will have an opportunity of making permanent preparations of the various organisms considered for purposes of future study.

**Text Books:** *Bacteria and Dyes: General and Special Pathology*, Strong & Fox; *Text Book of Bacteriology*, Murray; *Pathological Bacteriology*, Muir and Blackie; *Manual of Bacteriology*, Faughl; *Essentials of Laboratory Diagnosis*, Council; *Practical Bacteriology*.

### VII.—Materia Medica.

**Professor**..... A. F. Buckley, Pharm. L., M. D., C. M.  
**Demonstrator**..... G. A. Burbidge.

#### Materia Medica.

This course consists of seventy-five lectures and demonstrations, given in the third year. The official drugs of the British

Pharmacopœia will be considered, also such non-official remedies as are considered advisable. As the principal drugs are discussed attention will be drawn to such points relating to their source, appearance, preparation, action, dosage, etc., as are important for students to know in view of their being prescribed. The drugs and their preparations are illustrated as far as is necessary. Great attention will be given to prescription writing and the student will be carefully exercised in this important feature of the work, so as to enable him to produce intelligent and elegant prescriptions.

**Text Books:** Hale, White, Eason, Wood, White.

#### Practical Materia Medica.

This course, given in the second year, consists of twenty-five meetings of two hours each for practical work in the Maritime College of Pharmacy laboratory. Students will be instructed in the processes of Pharmacy, and in the Dispensing and Incompatibility of drugs.

### VIII.—Surgery.

**Professors** { ..... E. V. Hogan, M. D., C. M.  
                  ..... John Stewart, M. B., C. M., LL. D.  
**Lecturers** { ..... Philip Weatherbe, M. B., Ch. B.  
                  ..... J. G. McDougall, M. D., C. M.

#### Lecture Courses.

1. A course of about fifty lectures on the general principles of Surgery, to be given during the third year.
2. A course of about fifty lectures on Regional Surgery to be given during the fourth year.

**Text Books:** Ross and Carlson, Thomas and Miles, *American System*, Wharton and Curtiss.

#### Operative Surgery.

3. This course, conducted by Dr. Weatherbe, will be given in the fifth year. While descriptive instruction will be given by the teacher, students themselves, under supervision, will be required to perform operations on the cadaver.

**Text Books:** Treves, Waring, MacGraith.

### IX.—Clinical Surgery.

**Professors** { ..... M. Chisholm, M. D., C. M.  
                  ..... E. V. Hogan, M. D., C. M.  
                  ..... H. K. MacDonald, M. D., C. M.  
**Lecturers** { ..... J. G. McDougall, M. D., C. M.  
                  ..... G. H. Murphy, M. D., C. M.  
**Demonstrators** { ..... L. Thomas, M. D., C. M.  
                          ..... J. F. Lennel, M. D., C. M.

**Clinical Surgery.**—In addition to lectures on cases at the hospitals, students of the fourth and fifth years will be individually trained at the bedside in diagnosis and treatment by the lecturers.

All students before graduation will be required to produce evidence of having served for at least six months as dresser in the Surgical Wards and to submit complete histories of at least fifteen surgical cases.

**Practical Surgery.**—The application of bandages, splints, and other surgical appliances, the use of instruments and the treatment of emergencies and cases of minor surgery will be taught by Dr. Thomas in the third year. A course of instruction in the administration of anaesthetics will be given by Dr. Lessel.

### X.—Medicine.

|           |                               |
|-----------|-------------------------------|
| Professor | L. M. Silver, M. B., C. M.    |
| Lecturers | K. A. MacKenzie, M. D., C. M. |
|           | Prof. A. G. Nicholls          |
|           | M. J. Carney, M. D., C. M.    |
|           | G. A. MacIntosh, M. D., C. M. |

1. A course of about fifty lectures and recitations in which diseases of the digestive, circulatory, respiratory and genito-urinary systems, blood and ductless glands will be discussed in the third year.

2. A course of about fifty lectures and recitations in which infectious and constitutional diseases and those affecting the nervous system will be taken up in the fourth year.

Text Books: For class work: *Osler, Anatomy*. For reference: *Roberts, Gibsons, Osler: Modern Medicine; Church and Posterson: Nervous and Mental Diseases*

### XI.—Clinical Medicine.

|            |                              |
|------------|------------------------------|
| Professors | L. M. Silver, M. B., C. M.   |
|            | M. A. B. Smith, M. D., C. M. |
|            | G. M. Campbell, M. D., C. M. |
|            | Prof. A. G. Nicholls         |
| Lecturers  | M. J. Carney, M. D., C. M.   |
|            | Frank G. Mack, B. A., M. B.  |

**Clinical Medicine.**—Clinical lectures and instruction will be given to the students of the fourth and fifth years at the Victoria General Hospital at least three days a week throughout the session. Students will be called upon in rotation to examine cases.

All students before graduation will be required to produce evidence of having served for at least six months as clinical clerk in the Medical Wards and to submit complete histories of at least fifteen medical cases.

**Practical Medicine.**—Practical instruction will be given by Dr. Smith and Dr. Carney in Physical Diagnosis, Urinalysis and in the use of the various instruments required for clinical examinations.

**Clinical Microscopy and Clinical Chemistry.**—The course of instruction in these subjects, consisting of one laboratory period weekly of two hours will be given by Dr. F. G. Mack, during the Second Term. The examination of urine, faeces, stomach contents, sputum, blood and pathological fluids and exudates will be considered practically and their diagnostic importance emphasized.

Text Books: *Bailey: Diagnosis of Internal Medicine*. *Pagan: Physical Diagnosis*. *Farrar: Urinalysis*. *Sacco: Atlas Clinical Medicine*. *Moser: Medical Diagnosis*. *Hutchinson and Rainey: Clinical Methods*. *Cabot: Medical Diagnosis*. *De Costa: Physical Diagnosis*.

### XII.—Obstetrics and Gynaecology.

|                     |                           |
|---------------------|---------------------------|
| Professor           | M. A. Curry, B. A., M. D. |
| Associate Professor | W. B. Almon, M. D., C. M. |
| Lecturer            | C. S. Marton, M. B.       |

#### Lecture Courses.

These courses will be given to fourth year students.

1. A course of about fifty lectures on the Principles and Practice of Midwifery, illustrated by diagrams, preserved specimens and the manikin.

2. A course of about fifty lectures on Practical and Operative Midwifery, and on Diseases of Women.

#### Clinical.

Clinics on Diseases of Women will be given at the Victoria General Hospital every week, at which students of the fifth year will be called on in rotation to make gynaecological examinations. Clinics in Obstetrics will be given in the Lying-in Wards of Maternity institutions.

#### Practical Obstetrics.

Students of the fourth and fifth years will attend cases of labour in Maternity institutions, where they will receive practical instruction in the management and after treatment of labour. Each student before graduation must have attended at least six maternity cases.

Text Books: *Obstetric—Pélik, Hist. Edgar, Williams. Gynaecology—Davis, Short.*

### XIII.—Medical Jurisprudence.

|          |                               |
|----------|-------------------------------|
| Lecturer | Edward Blackadder, M.D., C.M. |
|----------|-------------------------------|

This course will embrace as far as possible the following subjects:

- I. Examination of persons found dead, with reference to: Identification, Time of Death, Cause of Death.
- II. Violent causes of Death—Drowning, Strangulation.
- III. Poisons and Poisoning—(1) Symptoms and post mortem appearances in cases of poisoning by the following agents: Inorganic—Mineral Acids, Solutions of Alkali, Copper, Lead, Mercury, Antimony, Arsenic, Phosphorus; Organic—Oxalic Acid, Carbolic Acid, Opium, Strychnine, Belladonna, Aconite, Chloroform, Chloral Hydrate, Cyanides. (2) Duties of Medical men in cases of Poisoning as regards—Observation, Treatment, and Preservation of parts for Analysis. (3) Preliminary Tests for Poisonous Substances for clinical use before reference to an Analyst.
- IV. Medico-legal points in connection with—Pregnancy, Delivery, Rape, Criminal Abortion, Infanticide, Assaults and Homicide, Wounds and other external injuries, Malpractice, and Neglect of Duty.
- V. Mental capacity in relation to Criminal Responsibility, Contracts and Wills. The Lunacy Laws in so far as they affect the Medical Practitioner when signing Certificates of Lunacy.

Text Books: *Taylor, Reese, Desper.*

## XIV.—Therapeutics.

Lecturer..... J. R. Corston, M. D., C. M.

**Therapeutics.**—In this course, which will consist of fifty lectures to be given in the fourth year, the subject of General Therapeutics, including the therapeutic action of drugs and other remedial measures, will be dealt with.

In addition to the above systematic course a series of about thirty lectures is given by special lecturers on electro-therapy, hydro-therapy, climatology, radiology, massage and clinical dietetics.

**Text Books:** *Hare: Practical Therapeutics.* *Whitt: Therapeutics.* *Cushing: Therapeutics.*

## XV.—Hygiene.

Lecturer..... W. H. Hattie, M. D., C. M.

**Hygiene.**—This course, given by Dr. Hattie, will consist of fifty lectures and demonstrations in which the following matters will be dealt with as far as possible.

I. Public Health Administration. The duties of the physician relative to notification of communicable diseases, etc.

II. Epidemiology. The public health aspects of the communicable diseases.

III. Quarantine, disinfection, etc.

IV. Water in its relation to Health and Disease.—The character and classification of Drinking Water. Causes and Sources of the Impurities found in Water and Methods of Purification. The Diseases conveyed by water, and the Methods of dealing with Epidemics of such Diseases.

V. Air, in relation to Health and Disease.—The Causes and Sources of the Impurities found in the Air. The Diseases conveyed through the Air. The quantity of Air necessary for Health.

VI. Ventilation, Heating, Lighting, etc.

VII. Housing, Building Sites, Soil.

VIII. Removal of Refuse. Disposal of Excreta and Sewage.

IX. Food, in relation to Health and Disease.—Dietetics. The Common Adulterations of the Chief Articles of Diet. Diseases connected with Deficiency or Impurity of Food Supply.

**Text Books:** *Parker and Kenwood: Hygiene and Public Health.*

## XVI.—Skin Diseases.

Lecturer..... Frank G. Mack, B. A., M. B.

This course will consist of not less than twenty-five lectures, chiefly clinical, to be given in the wards of the Victoria General Hospital to fifth year students.

Patients will be brought before the class and their condition examined into and demonstrated, and the appropriate treatment prescribed and illustrated.

**Text Books:** *Walker: Introduction to Dermatology.* *Schamberg: Diseases of the Skin and the Syphilis Fever.* *Hartell: Diseases of the Skin.* *Sequeira: Diseases of the Skin.*

## XVII.—Eye, Ear, Nose and Throat Diseases.

Lecturer..... R. Evatt Mathers, M. D.

Didactic and Clinical instruction in these subjects will be given to students of the fifth year each week during the session, on Wednesdays, at 3 p. m., at the Victoria General Hospital, and at the Children's Hospital.

**Text Books:** *Diseases of the Eye*—Jackson, Mar. Fox. *Diseases of the Eye*—Brill-Pollitzer, Bark. *Diseases of the Nose and Throat*—Cookley. *Diseases of the Ear, Nose and Throat*—Glennan. *Nose, Throat and Ear*—Porter.

## XVIII.—Mental Diseases.

Professor..... W. H. Hattie, M. D., C. M.  
Clinical Instructor..... F. E. Lawlor, M. D., C. M.

A course of twenty didactic lectures on the various forms of mental disease will be given to fifth year students, supplemented by clinical instruction by Dr. Lawlor at the Nova Scotia Hospital.

**Text Books:** *Stoddan, Craig.*

## XIX.—Paediatrics.

Lecturer..... W. D. Forrest, M. D., C. M.

This course will consist of twenty-five didactic lectures to students of the fourth year. In addition a course of clinical lectures illustrative of Disease in Children will be given on Saturdays throughout the session by members of the staffs of the Victoria General Hospital, the Children's Hospital, the Infectious Diseases Hospital, and of the Infants' Home.

## XX.—Vaccination.

Students will receive instruction in this subject at the Dispensary, Infants' Home, and other institutions. They will be required to perform the operation and note results so as to obtain a certificate of proficiency.

## XXI.—Medical Ethics.

A short course of lectures on this important subject was inaugurated in 1916. These lectures are for fifth year students only.

# Faculty of Dentistry.

## Preliminary Statement.

An agreement was consummated in 1911 between the Board of Governors of Dalhousie University and the Provincial Dental Board of Nova Scotia, whereby the Maritime Dental College was merged into the Faculty of Dentistry of the University.

The instruction in the purely scientific subjects and in the professional subjects common to Dentistry and Medicine is taken by Dental students in common with the students of the Faculties of Arts and Science and of Medicine. Instruction in the Dental subjects is given in the Dental Apartments, in the south wing of the Forrest Building; these include the Infirmary and the Dental Laboratories. Abundant Dental Infirmary practice is available. The Victoria General Hospital is near by, and affords an ample surgical clinic. Students will also attend the dental clinic of the Halifax Dispensary. The laboratory of Pathology and Bacteriology, which has been erected and equipped by the Hospital Commission in connection with the Victoria General Hospital, affords superior facilities for both elementary and advanced study of these subjects.

By an arrangement between the University and the Provincial Dental Board of Nova Scotia the Professional examinations are conducted by the examiners of the Faculty of Dentistry of the University, so that candidates may qualify at the same time for the degree of D.D. S., and for the license to practise in Nova Scotia.

## Important Notice.

Students are reminded that the Dental degree does not necessarily qualify for admission to practise in any province, each province having its own regulations for admission, to which a candidate must conform. Particulars regarding these regulations in each of the Maritime Provinces and in Newfoundland may be obtained from the respective Registrars, who are as follows:

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For Nova Scotia; Dr. G. K. Thomson, Halifax, N. S.  
For New Brunswick; Dr. F. A. Godson, St. John, N. B.  
For Prince Edward Island; Dr. J. S. Bagnall, Charlottetown, P. E. I.  
For Newfoundland; Dr. T. P. Smith, St. John's, Newfoundland.

## Dominion Dental Council.

The Dominion Dental Council of Canada is a central organization under the control of the dental profession of Canada. Its object is to erect and maintain a standard of education and ethics for the dental profession, and to conduct professional examinations and issue Certificates of Qualification which will be accepted without further examination by the provinces.\* These certificates are now accepted in all the provinces except Quebec.

Dental students who comply with the Council's Matriculation or Preliminary education requirements and term of studentship, and who graduate from an accepted Canadian dental college, and pass the examination of the Council, may be registered in any province in Canada without further examination (Quebec excepted). This privilege is enjoyed by the graduates in Dentistry of this University, as its Matriculation regulations meet the requirements of the Council, and the Faculty of Dentistry is on the accepted list of Canadian colleges.

## General University Regulations.

University regulations applicable to the students of all Faculties and relating to residence, church attendance, discipline, etc., will be found in the University Calendar, pp. 17-20.

## Academic Year.

The Academic Year consists of one session of eight months' duration. The session of 1919-20 will begin on Wednesday, Sept. 24th, 1919, and end on Thursday, May 27th, 1920. No student will be admitted after October 4th.

\*For information address Dr. W. D. Cowan, Secretary of the Dominion Dental Council, Regina, Sask.

**Degree.**

The only degree conferred in the Faculty of Dentistry is that of Doctor of Dental Surgery (D. D. S.).

**Admission of Students.**

Candidates for admission to the course in Dentistry must have passed the University Matriculation examinations, or offered certificates accepted as equivalent, in at least five of the six Matriculation subjects. *Matriculation must be completed before the student is admitted to the second year of the course.*

A student will be admitted to the classes of the second year provided he has not failed in more than one subject of the previous year. A student cannot enter the third or fourth year, except in special cases, unless he has passed in all the subjects of the previous years.

Students intending to practise in Nova Scotia must register with the Provincial Dental Board before beginning their course of study.

Students intending to practise in another province of the Dominion or in another country are reminded that they must conform to all the regulations of that province or country.

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

No person under sixteen years of age is admitted to any class.

**Matriculation.**

Full details of the requirements for Matriculation will be found in the University Calendar (pp. 10-15).

**Curriculum.\*****First Year.**

*Lectures*—Physics 1, Biology 1, Prosthetic Dentistry, Dental and Comparative Dental Anatomy.

\*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.

*Laboratory*—Physics, Biology, Anatomy, Elementary Bacteriology, Prosthetic and Dental Anatomy Technic.

**Second Year.**

*Lectures*—Chemistry 1B, Anatomy 1, Embryology, Histology, Prosthetic and Operative Dentistry.

*Laboratory*—Chemistry, Anatomy, Histology, Prosthetic and Operative Technic.

**Third Year.**

*Lectures*—Chemistry 3 and 4, Physiology 1, Prosthetic Dentistry, Operative Dentistry, Crown and Bridge Work and Ceramics, Orthodontia, Materia Medica, Dental Pathology and Therapeutics, Surgery, Exodontia and Anaesthetics.

*Laboratory*—Chemistry, Physiology 3B, Prosthetic and Operative Dentistry, Dental Infirmary, Crown and Bridge Work and Porcelain, Orthodontia.

**Fourth Year.**

*Lectures*—General Pathology and Bacteriology, Prosthetic and Operative Dentistry, Crown and Bridge Work, Ceramics and Hygiene, Orthodontia, General and Oral Surgery and Anaesthetics, History, Ethics and Jurisprudence, Radiology, Metallurgy.

*Laboratory*—Pathology and Bacteriology, Prosthetic Laboratory, Dental Infirmary, Hospital, Crown and Bridge Work and Ceramics, Orthodontia.

**Regulations for Degrees.**

In addition to the Matriculation or Preliminary examination, candidates for degrees are required to pass four Professional examinations, one at the end of each year of the course, on the dates set in the University Almanac. The examinations are arranged as follows:

**First Professional Examination.**

One paper in each of the following subjects: Physics, Biology, Prosthetic Dentistry, Dental and Comparative Dental Anatomy; and an oral examination in Anatomy.



**Second Professional Examination.**

One paper and an oral examination in Anatomy including Embryology; and one paper in each of the following, Chemistry, Histology, Prosthetic Dentistry, and Operative Dentistry.

**Third Professional Examination.**

One paper and a laboratory examination in Chemistry; one paper and an oral and practical examination in Physiology including Histology; one paper in each of the following; Prosthetic Dentistry, Operative Dentistry, Crown and Bridge Work and Ceramics, Orthodontia, Materia Medica, Dental Pathology and Therapeutics, Surgery, Exodontia and Anaesthetics.

**Fourth Professional Examination.**

One paper in History, Ethics and Jurisprudence, and one in Metallurgy; one paper and an oral examination in each of the following: (a) General Pathology and Bacteriology, (b) Surgery and Anaesthetics, (c) Operative Dentistry, (d) Prosthetic Dentistry, (e) Orthodontia, (f) Crown and Bridge Work and Ceramics, and Hygiene; and an oral examination in Radiology.

**Pass and Distinction Lists.**

The names of successful candidates are arranged in the published lists in two divisions, the Pass and the Distinction division. To pass, a candidate must obtain a minimum mark of 40 per cent. in the pure sciences, Physics, Chemistry and Biology, and a minimum mark of 50 per cent. in all other subjects. For Distinction in any given subject he must obtain a mark of 75 per cent. or over. The names for Distinction are arranged according to merit, the Pass list in alphabetical order.

**Admission to Examinations.**

Candidates must conform to the following requirements in order to qualify for admission to the Professional examinations:

1. They must attend the prescribed classes of the curriculum regularly and punctually. Certificates indicating less than 90 per cent. of attendance upon any class will not in ordinary circumstances be accepted.

2. They must prepare such exercises, reports, etc., as may be prescribed, and in the case of classes involving laboratory or practical work they must complete such work satisfactorily.

3. Candidates for the Final Professional examination will be required to subscribe to the following declaration with regard to their age:

Halifax, N. S., ..... 19..

I, the undersigned, being desirous of obtaining the Degree of Doctor of Dental Surgery, do hereby declare that I have attained the age of twenty-one years (or, if the case be otherwise, that I shall have attained the age of twenty-one years before the next graduation day).

(Signed) .....

**Supplementary Examinations.**

A candidate who has failed to pass in not more than two subjects of the Professional examination of any year shall be entitled to Supplementary examinations in such subjects, provided he is qualified in attendance and classwork for admission to examination; but a student cannot enter the second year who remains deficient in more than one subject, nor into a higher year deficient in any subject.

A candidate who has failed to pass in more than two subjects of any Professional examination shall be required to repeat his attendance and class work in all the subjects of the year.

Supplementary examinations are held on the dates specified in the University Almanac, in September and during the regular Professional examinations in May, but at no other times.

Application for admission to a Supplementary examination must be made on or before the date set in the University Almanac for receiving applications, on a form to be obtained from the Dean of the Faculty, and must be accompanied by the proper fee. (See p. 117).

**Exemptions.**

Candidates may be exempted from examination in one or more subjects of the first three Professional ex-

aminations on presenting certificates of having taken equivalent classes and passed equivalent examinations at any dental college recognized by the Senate for the purpose, and complying with the regulations of the University.

#### Instruments and Appliances.

All the heavier appliances are supplied by the University. The student must provide all other instruments, tools and material for his technic work in both Laboratory and Infirmary. Intending students should communicate as early as possible with the Dean for information concerning the list of instruments and books required. The borrowing of instruments is absolutely forbidden.

#### Medals and Prizes.

**University Medal in Dentistry.**—This medal will be awarded on graduation to the student who stands highest in the fourth professional examination, provided he shall obtain Distinction in at least four of the five major subjects of that examination, and shall have reached an exceptionally high standing on the whole four years of his course.

**The Maritime Dental Supply Company Prizes.**—This firm offers two sets of prizes:—Books to the value of \$25 to be divided between the two students who make the best two general averages in all subjects of the First Professional examination; and also in the case of the Second Professional examination.

**The Nova Scotia Dental Association Prizes.**—Books to the value of \$25 to be divided between the two students who make the best two general averages in all subjects of the Third Professional examination.

#### 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. On account of the great increase in expenses the University has been compelled to increase the fees for tuition.

#### 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, for registration after the beginning of lectures | 2 00    |

The Registration Fee entitles a student to the use of the University Library, Dental Library, Athletic Field and Student Building.

#### For Tuition.

|  |          |
|--|----------|
| For the classes of any one year of the Curriculum                        | \$125 00 |
| For admission to Victoria General Hospital and Hospital Laboratory, each | 5 00     |

A class taken a second time is charged for as if taken for the first time. The charge for such class will be determined by the Dean of the Faculty.

If a student is compelled to withdraw from college before December 1st through illness or for some other approved reason, one-half of his tuition fees will be refunded.

#### For Examinations.

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

|   |         |
|---|---------|
| Matriculation examination at an outside centre        | \$ 5 00 |
| Special Matriculation examination                     | 4 00    |
| Professional examination, each year of the Curriculum | 10 00   |
| Individual subjects, each subject                     | 5 00    |
| Supplementary examination, each subject               | 5 00    |

#### 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 |
| Additional fee for a degree conferred in absentia | 5 00    |

See pages 19 and 20 for

Caution Deposit.

Laboratory Deposits.

Fee for Support of Student Organizations.

Students Loan Fund.

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

†A Matriculation examination taken by a student after his second Autumn term of attendance at the University will be charged for as a Special examination (\$5.00 if taken in January, or a Supplementary (\$2.00) if taken in September.

‡This includes the diploma fee. When a candidate for the D. D. S. degree has not taken all his professional examinations at this University, the fee payable to the University shall be \$10.00.

## COURSES OF INSTRUCTION.

## Physics.

(Munro Professorship).

Professor.....Howard L. Bronson, Ph.D., F. R. S. C.  
Lecturer.....A. Stanley Mackenzie, Ph.D., F. R. S. C.  
Instructor.....J. H. L. Johnstone, Ph. D.

**1. General Physics.**—Monday, Wednesday and Friday, 10-11 a. m.  
Pre-requisite.—Matriculation Physics and Mathematics.

The lectures are illustrated by experiments, and special attention is paid to the solution of problems, all students being required to hand in papers for correction and criticism. 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.

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—4.30 p. m. The experiments selected for the course are designed to acquaint the student with the methods and instruments used in physical measurements. They will also assist him in grasping that part of the subject which is taught in the lectures.

Text Books: Kinball: *College Physics*; Ames and Blair: *Manual of Experiments in Physics*.

## Chemistry.

(McLeod Professorship).

Professor.....E. Mackay, Ph. D.  
Instructor.....C. B. Nickerson, A. M.

**1B. General Chemistry.**—Lectures: Monday, Wednesday and Friday, 9-10 a. m. Laboratory: Tuesday, 11-12 a. m. and Saturday, 11 a. m.—1 p. m.

Lectures in General Chemistry covering the same ground as in Chemistry 1 in the Faculty of Arts and Science. At least three hours a week must be devoted to laboratory work.

Text Book: Smith: *General Chemistry for Colleges*.

**3. Metals and Qualitative Analysis.**—Lectures: Saturday, 9-10 a. m. Laboratory: Tuesday, 10-11 a. m., and Thursday, 10-12 a. m.

Pre-requisite.—Chemistry 1B.

Class Work.—Metals and their compounds, with special reference to those having medicinal or dental uses or toxic properties; elements of Physical Chemistry.

Laboratory Work.—Qualitative analysis, including the detection of the more commonly occurring poisons.

Text Books: Smith: *General Chemistry for Colleges*. F. M. Perrin: *Qualitative Analysis*.

**4. Organic Chemistry.**—Lectures: Tuesday and Thursday, 9-10 a. m.

Pre-requisite.—Chemistry 1B.

Purification and analysis of carbon compounds. The paraffins, ethylene, acetylene, benzene and their chief derivatives, especially those met with in Physiology and Therapeutics. In the laboratory a few typical carbon compounds are prepared and studied.

Text Book: Remsen: *Compounds of Carbon*, 8th edition.

## Biology.

Assistant Professor.....Clarence L. Moore, M. A., F. R. S. C.

**1. General Biology.**—Lectures: Saturday, 9-10 a. m., Laboratory: four hours, either Monday and Wednesday, 11 a. m.—1 p. m. or Tuesday and Friday, 2.30—4.30 p. m.

The aim of this course is to acquaint the student with some of the more important biological facts and theories and results of biological work; also to serve as an introduction to biological methods. It includes a general survey of the plant and animal kingdoms and the discussion of topics of fundamental biological importance, e. g., protoplasm, cell and cell structure, reproduction, inheritance, variation, adaptations, evolution, etc.

## Anatomy.

(Dr. D. G. J. Campbell Memorial Professorship).

Professor.....John Cameron, M. D., D. Sc., F. R. SS, E. & C.

Demonstrators.....{

## Lectures.

**1. General Anatomy.**—Monday, Wednesday and Friday, 12-1 p. m., and Tuesday and Thursday, 2.30-3.30 p. m.

This course is intended for students of the second year. Osteology and Arthrology will first be dealt with. The entire skeleton will be carefully studied, all the bones and joints being examined in detail. A large supply of bones is kept on hand, and these are freely supplied to students both in the Practical Anatomy rooms and for study at home, on their making a deposit of the proper fee but students are expected to provide themselves with the bones of the head.

The latter part of the course will be devoted to the consideration of the Regional Anatomy of the body. Lectures will be illustrated by fresh dissections, plates, diagrams and models.

Text Books: Cunningham, Gray.

**2. Human Embryology.**—Monday and Wednesday, 10-11 a. m.

A course of lectures and demonstrations to students of the second year, devoted to an elementary study of the development of the form, organs and tissues of the human body.

## Practical Anatomy.

Special attention will be given to this branch. The dissecting room will be open daily except Friday and Saturday, and will be under the direct supervision of the Professor of Anatomy, assisted by the Demonstrators, one or other of whom, in addition to the Professor, will be present every day so that each student will be frequently examined and assisted during the progress of his dissections. The course extends over two years. Dental students must dissect the head and neck and one other part in each year.

Text Book: Cunningham.

## Physiology and Histology.

Professor . . . . . D. Fraser Harris, M. D., D. Sc., F. R. S.S. E.&C.  
 Demonstrator . . . . . Miss Margaret Low.

## Lectures.

1. General Physiology.—Monday, Wednesday and Friday, 11—12 a. m., and Saturday, 12—1 p. m.

This course consists of one hundred lectures, and is designed to give the students of the second year a knowledge of the elements of Human Physiology. Special attention will be paid to the physiology of the mouth and of digestion.

Text Books: Howell; Text Book of Physiology. Fraser Harris: *Newer* (Home University Library).

## Practical Physiology.

2. Histology.—Tuesday and Thursday, 9—11 a. m.

This course, which consists of at least fifty meetings of two hours each, is intended for students of the first year. It is designed to give the student a knowledge of the minute structure of the blood and all the tissues and organs of the human body. Special attention will be paid to the microscopic structure of the teeth and gums. Demonstrations will be made of dried preparations, and sections of decalcified teeth in situ will be given out.

The student will be instructed in the methods of fixing, staining and examining tissues, as well as in the use of microtomes for cutting sections in paraffin and in gum.

A microscope and reagents are provided for each student, but members of the class are required to bring slides, cover-glasses, dissecting-needles, slide-cabinets and drawing books.

Text Books: Schäffer: *Essentials of Histology* (latest edition). Patterson: *Manual of Entomology*. Jordan-Ferguson: *Text Book of Histology*.

3. Bio-Chemistry.—Second Term, Friday, 2.30—4.30 p. m.

This course is designed to give students a practical acquaintance with the chemical nature of the bodily secretions and excretions, as well as that of the food-stuffs. In this class the methods employed in clinical medicine for examining the blood and the urine will be studied.

Text Books: Haldibart: *Essentials of Clinical Physiology*. Rattan and Harding: *Laboratory course in Chemistry for Medical Students*. Bang-Plimmer: *Chemistry for Medical Students*.

## Pathology and Bacteriology.

Professor . . . . . Albert G. Nicholls, M. A., M. D., D. Sc., F. R. S. C.  
 Demonstrator in Bacteriology . . . . . F. G. Mack, B. A., M. B.

## Pathology.

1. Lectures. General Pathology.—Tuesday, Thursday and Friday, 9-10 a. m.

A course of lectures to third year students during the First Term, dealing with the general principles of Pathology, in which the following subjects will be considered: the morphology, physiology, and chemistry of the cell; the causes of disease; the morbid processes; the tissue changes; reaction and adaptation. In the latter portion of the course the relationship of the grosser animal parasites to the animal economy will be discussed. The oral examination will be held on the completion of the course, the written in the spring.

2. Laboratory Work. Morbid Histology.—Monday and Wednesday, 9-11 a. m.

A course during the First Term given to students of the third year. The lesions affecting the various organs will be taken up systematically, and instruction will be given in the cutting, staining, and mounting of histological preparations. A representative series of microscopical preparations will be lent to each student for purposes of study, after the mechanical technique shall have been mastered. The student will be expected to make drawings of his sections. An oral examination will be held in the spring.

## Bacteriology.

Elementary Bacteriology.—Friday, 11 a. m.—1 p. m.

A course consisting of about eighteen lectures and demonstrations will be given during the early part of the First Term to students of the first year. The history of the subject, the simpler bacteriological technique, and the preparation of culture media will be taken up.

1. Lectures.—Tuesday, Thursday and Friday, 9-10 a. m.

A course of lectures to third year students during the Second Term. The nature of bacteria, their morphology, staining reactions, and mode of growth will be discussed, as well as regular instruction given on their relationship to infective processes. The pathological processes will also be considered in this course.

2. Laboratory Work.—Monday and Wednesday, 9-11 a. m.

A course during the Second Term for students of the third year, in which will be considered the various culture media, methods of laboratory technique, the mode of growth and specific reactions of the more important bacteria. Particular attention will be given to methods of bacteriological diagnosis as applied to clinical medicine. Students will have an opportunity of making permanent preparations of the various organisms considered for purposes of future study.

Text Books: Beattie and Dixon: *General and Special Pathology*. Stengel & Fox: *Text Book of Pathology*. Mallory: *Pathological Histology*. Blair and Nicholls: *Manual of Bacteriology*. Pough: *Essentials of Laboratory Diagnosis*. Cassell: *Practical Bacteriology*.

## Prosthetic Dentistry.

|                        |  |
|------------------------|--|
| <i>Professor</i> ..... | F. Woodbury, D. D. S.<br>(G. H. Fluck, D. D. S.)       |
| <i>Lecturers</i> ..... | R. H. Woodbury, D. D. S.<br>(A. W. Faulkner, D. D. S.) |

This course continues throughout the four years. The instruction is didactic and practical. The teaching and Laboratory Technic are designed to impart a working knowledge of all that appertains to Dental Prosthesis. Technic will be carried along in proper sequence, and at the earliest moment students will be required to construct dental appliances of various kinds for patients in the Infirmary.

*Text Books:* Wilson, Prothers, Turner.

Dental Anatomy and Comparative  
Dental Anatomy.

|                        |                       |
|------------------------|-----------------------|
| <i>Professor</i> ..... | S. G. Ritchie, D.M.D. |
|------------------------|-----------------------|

**Dental Anatomy.**—This course includes a study of the contents of the buccal cavity from a dental standpoint.—The forms of the teeth, the process of calcification, eruption and absorption; a minute study of the teeth, dental pulp and surrounding tissues.

A practical course in tooth modelling, and dissection of the natural teeth will be carried on in the laboratory.

*Text Book:* Black.

**Comparative Dental Anatomy.**—The lectures and demonstrations in this course are designed to be a study in the classification of dental types and theories of evolution of the dental organs from simple to complex forms.

*Text Books:* Tames.

## Operative Dentistry.

|                        |                             |
|------------------------|-----------------------------|
| <i>Professor</i> ..... | F. W. Ryan, D. D. S.        |
| <i>Lecturer</i> .....  | W. H. H. Beckwith, D. D. S. |

The instruction in this subject begins in the 2nd year. It will proceed through the processes involved in Operative Technic to a study of the whole subject of Operative Dentistry. The course will be thoroughly illustrated and demonstrated in the Technic Laboratory and Infirmary.

Students in the third and fourth years will be engaged in Infirmary practice daily under the supervision of experienced demonstrators. The work of the fourth year is designed to instruct the student in the details of Operative practice.

*Text Books:* Johnson, Kirk, Black.

## Crown and Bridge Work, Ceramics and Hygiene.

|                        |                         |
|------------------------|-------------------------|
| <i>Professor</i> ..... | G. K. Thomson, D. D. S. |
| <i>Lecturer</i> .....  | W. C. Oxner, D. D. S.   |

This subject will be presented by lectures, demonstrations and laboratory experiments. It will continue throughout the third and fourth years, with Infirmary practice.

Gold and Porcelain, Crown, Bridge and Inlay Construction, including casting methods, will receive proper attention. The latest types of electric furnace and casting machines are provided for the use of the students. Students who may desire to use their own electrical furnaces will be supplied with electric connections.

Oral Hygiene will receive the consideration which its great importance demands. The student will be taught the most approved manipulation and therapeutic methods for effecting, as far as may be, a condition of immunity in the oral tissues.

*Text Books:* Giesle, Bryan.

## Orthodontia.

|                        |                          |
|------------------------|--------------------------|
| <i>Professor</i> ..... | W. W. Woodbury, D. D. S. |
|------------------------|--------------------------|

This subject will be presented in a course of lectures and clinical demonstrations during the third and fourth years.

The course of instruction will proceed from a discussion of normal conditions to the various derangements of alignment of the teeth, the abnormalities of the dental arch and consequent deformities of the face, and interference with mastication. The methods and appliances adopted to correct or ameliorate these conditions will be practically applied.

*Text Books:* Lischer, Angle.

## Materia Medica.

|                       |                      |
|-----------------------|----------------------|
| <i>Lecturer</i> ..... | F. W. Ryan, D. D. S. |
|-----------------------|----------------------|

This course consists of about twenty-five lectures given in the third year. The student is expected to become familiar with the properties, uses and therapeutic effects of the drugs used in dentistry.

*Text Books:* Buckley, Priests.

## Dental Pathology and Therapeutics.

|                        |  |
|------------------------|--|
| <i>Professor</i> ..... | A. W. Cogswell, M. D., C. M., D. D. S. |
|------------------------|--|

The course is designed to provide a proper knowledge of Dental Pathology and Therapeutics. The lectures will be given in the third year, with practical demonstrations in the Infirmary throughout the third and fourth years. The principles of sterilization will be carefully taught.

*Text Books:* Buckley, Gorges.

**General and Oral Surgery and Anaesthetics.**

|                 |  |
|-----------------|--|
| Professor ..... | F. V. Woodbury, M. D., C. M.                               |
| Lecturers ..... | Philip Weatherbe, M. B., Ch. B.<br>S. G. Ritchie, D. M. D. |

**Surgery. 1.** A course of about fifty lectures on the general principles of Surgery, to be given during the third year.

**Surgery. 2.** A course on Oral Surgery, to be given during the fourth year, embracing operations which the dental surgeon should be able to perform.

Text Books: Ross and Carlson, Hale, McCurdy.

**Anaesthetics.**—General Anaesthetics will be taught along with Surgery 2, ample opportunity being given for practical demonstrations.

Text Books: Luke, Struthers.

**History, Ethics and Jurisprudence.**

Lecturer..... Frank Woodbury, D. D. S.

**History.**—History and development of Dentistry.

**Ethics.**—A brief statement of the important principles of morals and obligations of professional men to their patients, other practitioners, and the public.

**Jurisprudence.**—A discussion of the subject as it affects the qualifications and responsibilities of the Dental Surgeon.

Text Books: Koch, Gosial, Noyes, Brotham.

**Exodontia and Radiology.**

Lecturer..... G. R. Hennigar, D. D. S.

**Exodontia.**—A course of lectures weekly during the second term of the third year, including the study of nitrous oxide, oxygen, somnifera, etc., and local anaesthetics.

**Radiology.**—A course of lectures weekly during the first term of the fourth year, including the study of plates and films from the Infirmary.

Text Books: Winter, Satterlin, Kaper.

**Metallurgy.**

Lecturer..... Professor E. Mackay, Ph. D.

A course of lectures and demonstrations in Metallurgy will be given during a part of the fourth year.

Text Book: Essig.

**Societies.****THE ALUMNI ASSOCIATION.**

(Organized in 1871. Incorporated in 1876.)

|                                  |   |
|----------------------------------|---|
| President.....                   | H. E. Mahon.  |
| First Vice-President.....        | J. McG. Stewart.  |
| Second Vice-President.....       | Judge G. G. Patterson.  |
| Secretary-Treasurer.....         | M. Macneil.   |
| Representative Governors.—       | C. J. Burchell, G. F. Pearson, W. E. Crowe.                           |
| Other members of the Executive.— | J. E. Read, M. A. MacAulay, J. H. Trefry, D. A. MacRae, R. F. Yeaman. |

**THE ALUMNAE ASSOCIATION.**

(Organized in March, 1909. Incorporated in May, 1914.)

|                              |   |
|------------------------------|---|
| Honorary President.....      | Mrs. M. Trueman, M. A.  |
| President.....               | Miss Emelyn Mackenzie.  |
| First Vice-President.....    | Mrs. Blackett.  |
| Second Vice-President.....   | Miss Marion Doane.  |
| Treasurer.....               | Miss Jean Forrest.  |
| Recording Secretary.....     | Miss Clara Smith.   |
| Corresponding Secretary..... | Miss Annie Fraser.  |
| Executive.—                  | Mrs. Wm. Piers, Miss M. Louise Power, Miss Carol McInnes, Miss Hobbrecker, Miss Nora Power. |

**Council of Students of the University.**

|                          |   |
|--------------------------|---|
| President.....           | D. W. Hoare.                                  |
| Vice-President.....      | A. B. Campbell.                               |
| Secretary-Treasurer..... | J. W. Godfrey.                                |
| Executive.—              | Freida I. Crichton, W. M. Rogers, A. D. Ross. |
| Finance Committee.—      | Jean MacDonald, R. S. McLatchy, A. W. Rogers. |

**The Sodales Debating Club.**

The Sodales Debating Club meets fortnightly during the session, subjects of general interest being discussed.

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| President.....                      | Sydney M. Zinck.                    |
| Vice-President.....                 | M. Ermina Nelson.                   |
| Secretary-Treasurer.....            | J. R. Nicholson.                    |
| Intercollegiate Representative..... | R. D. McCleave.                     |
| Executive.—(Arts),                  | W. R. Maxwell, Jean K. G. Dunlop,   |
| (Med),                              | W. O. Thompson, (Law), J. H. Power. |

**Dalhousie Amateur Athletic Club.**

|   |  |
|---|--|
| <i>Honorary Presidents</i> .....  | Professor H. L. Bronson, Dr. John Cameron. |
| <i>President</i> .....  | P. Baxendale.                              |
| <i>Vice-President</i> .....   | H. V. D. Laing.                            |
| <i>Secretary-Treasurer</i> .....  | F. E. Coster.                              |
| <i>Executive</i> —C. G. Smith, A. B. Campbell, W. T. Hayden, R. Ross McLeod, A. P. Frame.       |  |
| <i>Business Manager</i> .....   | J. H. Lawley.                              |
| <i>Committee on Const. Revision</i> —H. V. D. Laing, M. B. Haslam, M. D. Finigan, W. T. Hayden. |  |
| <i>Grounds Committee</i> —H. C. S. Elliot, T. F. Rhude, H. V. D. Laing.                         |  |

**Medical Students' Society.**

|   |                  |
|---|------------------|
| <i>President</i> .....  | A. R. Reid.      |
| <i>Vice-President</i> .....   | H. C. S. Elliot. |
| <i>Secretary</i> .....  | J. G. MacLean.   |
| <i>Treasurer</i> .....  | F. E. Coster.    |
| <i>Executive</i> —P. Baxendale, H. S. Dickson, E. T. Granville, P. S. Cochrane. |                  |

**Arts and Science Students' Society.**

|  |                 |
|--|-----------------|
| <i>President</i> .....   | H. V. D. Laing. |
| <i>Vice-President</i> .....                                      | F. L. Vassallo. |
| <i>Secretary-Treasurer</i> .....                                 | G. H. McCleave. |
| <i>Executive</i> —Susan E. Atlee, Irene Dachevin, I. K. Forsyth. |                 |

**The Delta Gamma Society.**

The Delta Gamma Society meets bi-monthly during the session. All lady students are eligible for membership. Debates are held and literary programmes are prepared.

|                                  |                     |
|----------------------------------|---------------------|
| <i>President</i> .....           | Laura E. Smith.     |
| <i>Vice-President</i> .....      | M. Ermina Nelson.   |
| <i>Secretary-Treasurer</i> ..... | Isabel M. McLellan. |

**Girls' Athletic Club.**

|                                  |                            |
|----------------------------------|----------------------------|
| <i>President</i> .....           | Susan E. Atlee.            |
| <i>Vice-President</i> .....      | M. R. Dalhousie Armistage. |
| <i>Secretary-Treasurer</i> ..... | Roberta Bond.              |

**Young Men's Christian Association.**

The aim of the Dalhousie Y. M. C. A. is to serve the students and the College community along lines of spiritual and social development. All new students as well as the upper classmen should associate themselves with the movement, for the benefits it has for them and

the opportunities it affords for community and social service.

|  |                  |
|--|------------------|
| <i>President</i> .....   | John MacKay.     |
| <i>Vice-President</i> .....  | A. C. MacLean.   |
| <i>Secretary</i> .....   | N. A. MacKenzie. |
| <i>Treasurer</i> .....   | W. O. Thompson.  |
| <i>Executive</i> —P. C. Lewis, F. E. Coster, A. N. Gillis, D. M. Sinclair. |                  |

**Young Women's Christian Association.**

Meetings of the Association are held every Thursday afternoon at 5 o'clock.

|   |                        |
|---|------------------------|
| <i>President</i> .....  | Jean O. Moriarty.      |
| <i>Vice-President</i> .....   | M. Morrison.           |
| <i>Secretary</i> .....  | Phebe K. Christianson. |
| <i>Treasurer</i> .....  | Ada V. Tyler.          |
| <i>Executive</i> —Frieda Creighton, Jean K. G. Dunlop, Myrtle V. Grant, Isabel M. McLellan, Jean MacDonald. |                        |

**Engineering Society.**

|   |                   |
|---|-------------------|
| <i>President</i> .....                            | W. R. McClelland. |
| <i>Vice-President</i> .....                       | A. D. Ross.       |
| <i>Secretary-Treasurer</i> .....                  | C. F. Bowen.      |
| <i>Executive</i> —C. W. S. Tremaine, W. G. Henry. |                   |

**The "Has Beens" Class.**

This will be composed of all those students whose class has already graduated from college. It will be organized immediately at the beginning of next term.

**Class 1920 Arts.**

|                             |                   |
|-----------------------------|-------------------|
| <i>President</i> .....      | W. R. Maxwell.    |
| <i>Vice-President</i> ..... | Myrtle V. Grant.  |
| <i>Treasurer</i> .....      | D. M. Sinclair.   |
| <i>Secretary</i> .....      | E. Freda Bissett. |

**Class 1921 Arts.**

|  |                     |
|--|---------------------|
| <i>President</i> .....                                 | A. P. Frame.        |
| <i>Vice-President</i> .....                            | Myrtle A. Morrison. |
| <i>Secretary</i> .....                                 | Gladys M. Lewis.    |
| <i>Treasurer</i> .....                                 | J. A. Harrison.     |
| <i>Counsellor Sociel Committee</i> —J. W. F. Chisholm. |                     |
| <i>Athletic Committee</i> —Alister Mackinnon.          |                     |

**Class 1922 Arts.**

|                             |                 |
|-----------------------------|-----------------|
| <i>President</i> .....      | R. S. McLatchy. |
| <i>Vice-President</i> ..... | Jean Anzard.    |
| <i>Secretary</i> .....      | Eileen Burns.   |
| <i>Treasurer</i> .....      | I. K. Forsyth.  |

# University Lists.

## DEGREES CONFERRED SESSION, 1916-19.

Convocation May 13, 1919

### Honorary Degree of Doctor of Laws.

- Rev. Clarence MacKinnon, DD. Principal Halifax Presbyterian College.  
Melville Cumming, B. A. .... Principal Agricultural College, Truro.

### Master of Arts.

- McGrath, Mona Rose ..... By Examination in Philosophy.  
Sister Mary Berchmans (in absentia) ..... By Examination in Latin.

### Master of Science.

- Mahabir, Kenneth Grant ..... By Examination and Research in Serology and Immunology.

### Bachelor of Arts.

- Blenkinsop, Laura Aileen Marie Truro, N. S.  
Caddell, Otilie Low ..... Shubenacadie, N. S.  
Cochrane, Leta Marie ..... Fox River, N. S.  
Doane, Marion Agnes ..... Truro, N. S.  
Gunn, Anna Mary ..... East River St. Mary's, N. S.  
Henry, Elizabeth Blanche ..... River John, N. S.  
Lewis, Francis Elizabeth ..... Bedford, N. S.  
Macdonald, Sara Elisabeth Gray ..... Halifax, N. S.  
Nichols, Daisy Eliphal ..... Acaciaville, N. S.  
Pugsley, Margaret Louise ..... River Hebert, N. S.  
Reynolds, Winnifred ..... Halifax, N. S.  
Rundle, Bessie Marion ..... Halifax, N. S.  
Russell, Frances Henderson ..... Lower Newcastle, N. B.  
Smith, Margaret Lois ..... Truro, N. S.  
White, Janet Mabel ..... Middle Musquodoboit, N. S.  
Wickwire, Alice Lawton ..... Kentville, N. S.  
Sister Rose Catherine (in absentia) ..... Mt. St. Vincent Academy.  
Sister Teresa Maria (in absentia) ..... Mt. St. Vincent Academy.  
Bestley, John Albert ..... Halifax, N. S.  
Bonnell, John Sidney ..... Charlottetown, P. E. I.

(128)

## Honors, Prizes and Medals.

129

- MacLean, Brenton Vans ..... Central Lot 16, P. E. I.  
McLeod, George Ross ..... Sydney, N. S.  
Pruver, James Hennigar ..... Halifax, N. S.  
Rogers, William Marshall ..... Halifax, N. S.  
Thompson, Willard Owen ..... Halifax, N. S.

### Bachelor of Music.

- Campbell, Elsie Alma ..... Halifax, N. S.  
Higgins, Frances Dorothy ..... Dartmouth, N. S.  
Littler, Florence Natalie ..... Halifax, N. S.

### Bachelor of Laws.

- McInnes, Caroline Isabel ..... Halifax, N. S.  
MacKenzie, Emelyn Laura, M. A. .... Nyanza, N. S.  
McCleave, Robert David, M. A. Stewiacke, N. S.  
Rutledge, James Edward, B. A. Halifax, N. S.  
Walker, John Archibald, M. A. (C. E. A.) ..... West Lake Ainslie, N. S.  
White, Donald Vaughan, B. A. (Mt. A.) ..... Sussex, N. B.

## HONOURS, PRIZES AND MEDALS.

### Diploma of General Distinction.

- Distinction*.—John Albert Bestley, Margaret Lou Smith.

### Graduate Prizes and Medals.

- Away Prize*.—John Albert Bestley.  
*Nomination to 1851 Exhibition Scholarship*.—George Hugh Henderson.  
*University Medal, Faculty of Law*.—Robert David McCleave.

### Undergraduate Prizes and Scholarships.

#### Entrance Scholarships (in order of merit).—

- George H. Campbell, Memorial Scholarship, Margaret Mabel Morrison.  
George H. Campbell Memorial Scholarship, Clarence Gordon Campbell.  
George H. Campbell Memorial Scholarship, Gladys Maie Lewis.  
Sir William Young Scholarship, James William Francis Chisholm.  
Sir William Young Scholarship, Williford James Jackson.  
Mackenzie Scholarship, Clyde Vincove Harris.  
University Scholarship, Missie McLeod Shiers.

9

Same as Walker the Call  
June 8, 1918



**First Year Scholarship—**

George H. Campbell Scholarship, Mabel Margaret Morrison University Scholarship, Jean Elizabeth Fraser.

**Waverley Prize (Mathematics).—**Jean Katharine Grace Dunlop, **Jotham Blanchard Bursary.**—James William Francis Chisholm.

Convocation May 29, 1919.

**Doctor of Medicine and Master of Surgery.**

|  |                        |
|--|------------------------|
| Murray, Florence Jessie                    | O'Leary, P. E. I.      |
| Bain, Charles Grant                        | Bridgewater, N. S.     |
| Bain, Kenneth Allison, M. A.<br>(U. N. B.) | Frederickton, N. B.    |
| Hawkins, Rupert Clarence                   | Halifax                |
| Giles, B. A.                               | Halifax                |
| Kirwan, Philip Aloysius                    | Westville, N. S.       |
| MacLeod, Frank Thomas, B. A.               | Westville, N. S.       |
| Macleod, Murdock Gordon                    | New Haven, N. S.       |
| Munro, Jephtha Seth                        | Margate Harbour, N. S. |
| O'Brien, Willard Cleveland                 | Noel, N. S.            |
| Pothier, Hector Joseph                     | Etel Brook, N. S.      |

**Doctor of Dental Surgery.**

|                                |                 |
|--------------------------------|-----------------|
| Mackenzie, Arrabelle Catherine | Nyanza, N. S.   |
| Macdonald                      | Bayfield, N. S. |
| Connors, Michael Clarence      | Windsor, N. S.  |
| Demock, Karl Keith             | Moncton, N. B.  |
| Gilispie, William Lester       | St. John, N. B. |
| Thomas, Frank Crocker          |                 |

**Graduate Prizes.****University Medals:—**

Faculty of Medicine.—Charles Grant Bain.  
Faculty of Dentistry.—Michael Clarence Connors.

**Undergraduate Prizes.**

**Dr. John Cameron's Prize** (first year Practical Anatomy)—Harold S. Dolan.

**Practical Histology Prize** (Presented by Professor D. Fraser Harris)—Prescott St. C. Irwin.

**Dr. Lindsay Prize** (2nd Prof. Examinations)—N. H. Gosse; A. L. MacLean (equal).

**Maritime Dental Supply Co. Prizes** (highest standing in first year Dental subjects)—1st, W. H. Young; 2nd, George Green. (Highest standing in second year Dental subjects)—V. D. Crowe.

**The N. S. Dental Association Prizes** (highest standing in third year Dental subjects)—1st, J. A. Milne; 2nd, not awarded.

**ENTRANCE STANDING.****IN FACULTY OF ARTS AND SCIENCE.**

Standing Granted to Students entering in 1918.

**MATRICULATION****Undergraduate Standing.**

Blanchard, Frank Milne; Burns, Mary Eileen; Campbell, Clarence Gordon; Chisholm, Ellen Mary; Chisholm, James William Francis; Davison, James Forrester; Dobson, Arthur Lea; Duchemin, Adela Irene; Forsyth, Ian Keith; Forsyth, Marion Louise; Frame, Alfred Putnam; Fraser, Jean Elizabeth; Harris, Clyde Vizecove; Hayes, Kenneth Paul Joseph; Jackson, Wilfrid James; Kravis, Lucy; Kelley, Marjorie Dunbar; Lewis, Gladys Maie; McConeil, Florence Jean; McCulloch, Jean Wallace; MacDonald, Malcolm Campbell; McLellan, Isabel Margaret; Morris, Anna Eugene Haycroft; Morrison, Mabel Margaret; Priest, Lois Elizabeth; Rudolf, Laura Mary; Rundle, Bessie Marion; Scovett, Helen; Shiers, Minnie McLeod; Waugh, Mary Berchman.

**Matriculant Standing in subjects named.**

Amund, Charlotte Jean—In all except Geometry and an elective.  
Armitage, Marjorie Ruth Dalhousie—In all except Latin, Geometry, Algebra and an elective.  
Hamilton, Hope Evermore—In all except one foreign language.  
Jacobson, Morris—In all except two foreign languages and two electives.  
Kent, Muriel Dickie—In all except two foreign languages.  
Killan, Evelyn Amanda—In all except two foreign languages and Mathematics.  
Oxley, Charlotte Fern—In all except Geometry, Algebra and an elective.  
Shaw, Isabel Murray—In all except Latin and Geometry.  
Tremain, Frederick Hudson Dunsier—In all except foreign languages and an elective.  
Vassallo, Francis Louis—In all except foreign languages.  
Ward, Richard Payzant—In all except French and an elective.

**Special Students.**

Ahern, John Edward; Cameron, Lester; Chisholm, Alexander Roy; Colquhoun, James William; Cunningham, Maurice Ward; Glendensing, Helen Jean; Gow, Bernard James Robert; Grant, Elmer Gordon; Hall, James Lewis; Hebb, Muriel Frances; Henry Liliun; Hutchison, Florence Edith; Langwith, Christopher Myers; McCurdy, John Archibald; MacDonald, Charles Elliot; McDonald, Frederick Rana; Raymond Currie; MacLachlan, Reginald Shaw; MacLean, Ella Sara; McLennan, Thomas Ewan; MacLeod, Alexander John; Manson, William Harold; Pacey, Frederick Charles William; Tolson, Olley Haystead.

## ADVANCED STANDING.

## Credits for Undergraduate Standing.

- Campbell, Clarence Gordon—Latin 1, Greek 1, English 1, Mathematics 1.  
 Chisholm, Ellen Mary—Latin 1, Greek 1, Philosophy 1, English 1, History 1.  
 Chisholm, James William Francis—Latin 1, French 1, English 1, Mathematics 1.  
 Davison, James Forrester—Latin 1, French 1, English 1, Mathematics 1.  
 Dobson, Arthur Lea—English 1, Mathematics 1.  
 Duchemin, Adela Irene—Latin 1, French 1, English 1, Mathematics 1.  
 Forsyth, Ian Keith—French 1, English 1.  
 Forsyth, Marion Louise—Latin 1, French 1, English 1.  
 Frame, Alfred Putnam—French 1, English 1, Mathematics 1, German 1.  
 Hamilton, Hope Evermore—Latin 1, English 1.  
 Harris, Clyde Vincoove—Latin 1, Greek 1, English 1, Mathematics 1.  
 Jackson, Wilfrid James—Latin 1, French 1, English 1, Mathematics 1.  
 Lewis, Gladys Maie—Latin 1, French 1, English 1, Mathematics 1.  
 McConnell, Florence Jean—Latin 1, 2, French 1, 2, English 1, 2, Mathematics 1, 2, Chemistry 1.  
 McLefflin, Isabel Margaret—Latin 1, French 1, English 1, Mathematics 1.  
 Morris, Anna Eugene Haycroft—Latin 1, French 1, English 1.  
 Priest, Lois Elizabeth—Latin 1, French 1, English 1, Mathematics 1.  
 Rundle, Bessie Marion—Latin 1, 2, 3, French 1, 2, English 1, 2, 3, Mathematics 1, Philosophy 1, Biology 1, Chemistry 1, History 1, Economics 1.  
 Scriven, Helen Josephine—Latin 1, French 1, English 1, History 1, Philosophy 1.  
 Shaw, Isabel Murray—French 1, English 1.  
 Shiers, Minnie McLeod—Latin 1, French 1, English 1, Mathematics 1.  
 Waugh, Mary Berchmann—Latin 1, French 1, English 1, History 1, Philosophy 1.

## EXAMINATIONS, 1918-19.

## FACULTY OF ARTS AND SCIENCE.

## MATRICULATION EXAMINATION.

## Names in Alphabetical Order.

**Latin.**—(September): Campbell, Clarence Gordon; Chisholm, James William Francis; Christianson, Phebe Kirsten; Duchemin, Adela Irene; Harris, Clyde Vincoove; Jackson, Wilfrid James; Lewis, Gladys Maie; Morrison, Mabel Margaret; Shiers, Minnie McLeod; Thorse, Alice Evelyn. (April): Armitage,

Marjorie Ruth Dalbousie; Black, Jean Allison; Cameron, Lester; Gow, Bernard James Robert; Hutchison, Florence Edith; Lewis, Prescott St. Clair; Jacobson, Morris; Kent, Muriel Dickie; Killam, Evelyn Amanda; Kravis, Lucy; Nye, Iris Florence.

**Greek.**—(September): Campbell, Clarence Gordon; Harris, Clyde Vincoove; Morrison, Mabel Margaret. (April): Forsyth, Ian Keith; MacDonald, Malcolm Campbell; MacLeod, John Donald.

**French.**—(September): Chisholm, James William Francis; Duchemin, Adela Irene; Jackson, Wilfrid James; Lewis, Gladys Maie; Morrison, Mabel Margaret; O'Brien, Alice Isabelle; Shiers, Minnie McLeod. (April): Cameron, Lester; Jacobson, Morris.

**German.**—(September): Kravis, Lucy. (April): Morris, Anna Eugene Haycroft.

**English.**—(September): Ansaad, Charlotte Jean; Armitage, Marjorie Ruth Dalbousie; Campbell, Clarence Gordon; Chisholm, James William Francis; Duchemin, Adela Irene; Frame, Alfred Putnam; Gaunt, Daniel Murdoch; Harris, Clyde Vincoove; Hutchison, Florence Edith; Jackson, Wilfrid James; Killam, Evelyn Amanda; Kravis, Lucy; Lewis, Gladys Maie; McCurdy, John Archibald; MacLean, Ella Sara; Morrison, Mabel Margaret; Oxley, Charlotte Fern; Shiers, Minnie McLeod; Tremaine, Frederick Hudson Dussier; Vassallo, Francis Louis. (January): MacLeod, Alexander John; Tremaine, Charles Wylton Strachan.

**Ancient History.**—(September): Tremain, Frederick Hudson Dunier.

**British History.**—(September): Kravis, Lucy; Merrick, John Rankin; MacDonald, Frederick Raymond Currie; Nye, Iris Florence. (January): Littler, Florence Natalie.

**Algebra.**—(September): Campbell, Clarence Gordon; Chisholm, James William Francis; Christianson, Phebe Kirsten; Forsyth, Marion Louise; Frame, Alfred Putnam; Grant, Daniel Murdoch; Harris, Clyde Vincoove; Jackson, Wilfrid James; Kent, Muriel Dickie; Laurence, John Gordon; Morrison, Mabel Margaret; Purdy, comb; Lewis, Gladys Maie; Morrison, Rebecca; Shaw, Isabel Murray; Sister Agnes dePaul; Sister Francis d'Assisi; Shiers, Minnie McLeod; Tremaine, Charles Wylton Strachan; Tremain, Frederick Hudson Dussier; Vassallo, Francis Louis. (January): Cameron, Lester; Colwell, Berta Davidson; Gow, Bernard James Robert; Killam, Evelyn Amanda; Littler, Florence Natalie; McCurdy, John Archibald; MacLean, John Archibald; MacLeod, Alexander John; MacLeod, John Donald; Masson, William Harold.

**Geometry.**—(September): Campbell, Clarence Gordon; Chisholm, James William Francis; Duchemin, Adela Irene; Frame, Alfred Putnam; Gaunt, Daniel Murdoch; Harris, Clyde Vincoove; Jacobson, Morris; Jackson, Wilfrid James; Kent, Muriel Dickie; Kravis, Lucy; Levine, Maurice; Lewis, Gladys Maie; MacLeod, Alexander John; Morris, Anna Eugene Haycroft; Morrison, Mabel Margaret; Resnick, Rebecca; Shiers, Minnie McLeod; Tremaine, Frederick Hudson Dussier. (January): Littler, Florence Natalie. (April): Ansaad, Charlotte Jean; Colquhoun, James William; Gow, Bernard James Robert; Gums, William Rolfe Rogavald; Hall, James Lewis; James, Frederick Alexander; Killam, Evelyn Amanda; MacDonald, Charles Elliott; MacLean, John Archibald; Oxley, Charlotte Fern; Ransay, George Russell.

**Trigonometry.**—(September): Forsyth, Ian Keith; Grant, Daniel Murdoch; Tremaine, Frederick Hudson Dumier.

**Physics.**—(September): Forbes, James Francis Eric; MacLean, Sybil; Meisack, Abraham. (April): Jacobsen, Morris; Macdonald, Charles Elliott; MacLeod, Alexander John.

**Chemistry.**—(September): Christianson, Pledge Kirsten; Hall, Edmund Brinton; Longley, Ronald Stewart; Thorne, Alice Evelyn; Vassallo, Francis Louis.

#### SUPPLEMENTARY AND SPECIAL EXAMINATIONS.

##### Names in Alphabetical Order.

**Latin 2.**—Blenkinsop, Laura Aileen Marie; Kent, Helen Tupper; MacLean, Brenton Vans; Nichols, Daisy Elphal; Sister Marie Raphael.

**Latin 4.**—Doane, Marion Agnes.

**Greek 1.**—Walls, Chester Charles.

**Greek 2.**—Campbell, Helen Jessie.

**French 2.**—Macdonald, Mona Dorothy.

**English 1.**—Dobson, Arthur Lea.

**English 2.**—Sister Marie Raphael.

**English 3.**—Cho, Hi Yum; Henry, Elizabeth Blanche; Sister Rose Catherine.

**Biblical Literature.**—Henry, Elizabeth Blanche; MacQuarrie, Josiah; O'Brien, Alice Isabelle.

**Economics 1.**—Dickson, Mary de Wolfe; Doane, Marion Agnes; Macdonald, Mona Dorothy.

**History 3.**—Cochrane, Leta Marie; Kent, Helen Tupper.

**History 6.**—Dickson, Mary de Wolfe.

**Philosophy 1.**—Doane, Marion Agnes; Moirarty, Jean Olive; Walls, Chester Charles.

**Philosophy 5.**—Cho, Hi Yum.

**Mathematics 2.**—Henry, Elizabeth Blanche; Macdonald, Sara; Elizabeth Gray; Tremaine, Charles Wylton Strachan.

**Physics 6.**—Moorey, Reuel Burdett.

**Chemistry 1.**—Atlee, Susan Evangeline; Campbell, Helen Jessie; Fraser, John Philip Clarke; McLeod, George Ross; Nelson, Margaret Ermina; Nichols, Daisy Elphal.

**Chemistry 1A.**—Macdonald, Mona Dorothy.

**Geology 1.**—MacLean, Brenton Vans.

**Physiology 1A.**—Macdonald, Warren.

**Drawing 2.**—Watson, Norman Stewart Eain.

**Surveying.**—Moorey, Reuel Burdett.

#### SESSIONAL EXAMINATIONS.

**CLASS LISTS.**—Names in "Class I" and "Class II" are in Order of Merit. Names under heading "Passed" are in Alphabetical Order. The Asterisk indicates a High First Class. Brackets indicate candidates of equal merit.

**Latin 1.**—Class I.—Morrison, Mabel Margaret.

Class II.—Fraser, Jean Elizabeth.

**Passed.**—Annand, Charlotte Jean; Blanchard, Frank Milne; Burns, Mary Eileen; Forsyth, Ian Keith; Hayes, Kenneth Paul

Joseph; Hutchison, Marguerite Lucille; McCleave, George Hudson; MacLeod, John Donald; MacDonald, Malcolm Campbell; MacLatchy, Reginald Shaw; Morrison, Myrtle Alexandra; Odey, Charlotte Fern; Resnick, Rebecca; Sinclair, Donald Mackean; Tyler, Ada Victoria.

**Latin 2.**—Class II.—Chisholm, James William Francis.

**Passed.**—Atlee, Susan Evangeline; Bond, Roberta; Caddell, Otilie Low; Campbell, Clarence Gordon; Chisholm, Ellen Mary; Cochrane, Leta Marie; Creighton, Frieda Isabel; Davison, James Forrester; Duchemin, Adela Irene; Forsyth, Marion Louise; Frame, Rita Chisholm; Gunn, Anna Mary; Harris, Clyde Vinecove; Henry, Florence; Henry, William Gordon; Jackson, Wilfrid James; Lewis, Gladys Maie; Macdonald, Edward Mortimer; McLeod, George Ross; McLellan, Isabel Margaret; Nicholson, John Robert; Nicholson, Malcolm John; O'Brien, Alice Isabelle; Priest, Lois Elizabeth; Shiers, Minnie McLeod; Spidle, William Mackie; White, Janet Mabel; Wilson, Constance Christie; Wright, Margaret Wells.

**Latin 3.**—Class I.—Sister Teresa Marie; Lewis, Frances Elizabeth; Bissett, Ethel Freda Smith; Sandford, Louise Winifred.

Class II.—MacKenzie, Anna Sutherland; Grant, Myrtle Vivian; Murray, Alexander Sutherland; Smith, Margaret Lois.

**Passed.**—Blenkinsop, Laura Aileen Marie; Caddell, Otilie Low; Cochrane, Leta Marie; Doane, Marion Agnes; Godfrey, John Wilfrid; Gunn, Anna Mary; Hamilton, Frederick Allan; Henry, Elizabeth Blanche; Laing, Horace Vivian Darrell; McConnell, Florence Jean; Macdonald, Jean; McLeod, George Ross; MacLean, Brenton Vans; McLean, John Archibald; Nelson, Margaret Ermina; Nichols, Daisy Elphal; Parker, Edith Helen; Sister Marie Raphael; Sister Rose Catherine; Thompson, Mona; Turner, Bessie Agnes; White, Hazel Marguerite; White, Janet Mabel; Wickwire, Alice Lawton; Zinck, Sydney Mervin.

**Greek 1.**—Class II.—Morrison, Mabel Margaret.

**Passed.**—Forsyth, William Harding; Fraser, Jean Elizabeth; Lewis, Percy Chase; McCleave, George Hudson; Mackinnon, Alastair George.

**Greek 2.**—Class II.—Campbell, Clarence Gordon.

**Passed.**—Fraser, John Philip Clarke; Hamilton, Frederick Allan; Harris, Clyde Vinecove; Nicholson, Malcolm John; Spidle, William Mackie.

**Greek 3.**—Class I.—Lewis, Frances Elizabeth; Sister Teresa Marie.

**Passed.**—Sister Rose Catherine.

**French 1.**—Class II.—Resnick, Rebecca.

**Passed.**—Annand, Charlotte Jean; Blanchard, Frank Milne; Burns, Mary Eileen; Dobson, Arthur Lea; Hayes, Kenneth Paul

Joseph; Hutchison, Marguerite Lucille; Kravis, Lucy; McCulloch, Jean Wallace; MacLatchy, Reginald Shaw; Morrison, Myrtle Alexandra; O'Brien, Alice Isabelle; Odey, Charlotte Fern; Warner, Donald Franklin.

**French 2.**—Class I.—Chisholm, James William Francis; Frame, Rita Chisholm.

Class II.—Duchemin, Adela Irene; Bond, Roberta; Chisholm, Ellen Mary.

**Passed.**—Bissett, Ethel Freda Smith; Creighton, Frieda Isabel; Davison, James Forrester; Forsyth, Marion Louise; Frame, Alfred Patnam; Henry, William Gordon; Jackson, Wilfrid James;

Lewis, Gladys Maie; Macdonald, Edward Mortimer; Morris, Anna Eugene Haycraft; Nichols, Daisy Eliphail; Nicholson, John Robert; Prust, Lois Elizabeth; Shiers, Mitnie McLeod; Waugh, Mary Berchmans; Wilson, Constance Christa; Zick, Sydney Mervin.

**French 2.—Class I.**—Dunlop, Jean Katharine Grace; Reynolds, Winifred; Wicklowe, Alice Lawton.

**Passed.**—Atlee, Susan Evangeline; Bissett, Ethel Freda Smith; Cochrane, Leta Marie; Grant, Myrtle Vivian; MacKenzie, Anna Sutherland; Nelson, Margaret Errima; Parker, Edith Helen; Safford, Louise Winifred; Thompson, Mona; Turner, Bessie Agnes; Wambolt, Victoria Allen.

**German 1.—Passed.**—Higgins, Frances Dorothy; Kravis, Lucy; Tyler, Ada Victoria.

**German 2.—Passed.**—Frame, Alfred Putnam; Hittle, Roy James Edward; Reynolds, Winifred; Thompson, Willard Owen.

**English 1.—Class I.**—Morrison, Mabel Margaret; Fraser, Jean Elizabeth.

**Class II.**—Burns, Mary Eileen; Hamilton, Hope Evermore.

**Passed.**—Annand, Charlotte Jean; Armstrong, Marjorie Ruth Dalhousie; Blanchard, Frank Miles; Clendenning, Helen Jean; Gow, Bernard James Robert; Hayes, Kenneth Paul Joseph; Henry, Lillian; Hutchison, Florence Edith; Kelley, Marjorie Dunbar; Kent, Meriel Dickie; Killam, Evelyn Annanda; Kravis, Lucy; MacDonald, Malcolm Campbell; MacLachy, Reginald Shaw; Oxley, Charlotte Fern; Shaw, Isabel Murray; Tolson, Olley Hayswood; Tyler, Ada Victoria.

**English 2.—Class I.**—Eatonson, James Forester; Priest, Lois Elizabeth; Frame, Alfred Putnam.

**Class II.**—(Morrison, Myrtle Alexandra; Bessick, Rebecca); (Bowie, Carleton Frederick; Waugh, Mary Berchmans); (Chisholm, James William Francis; Lewis, Gladys Maie); Frame, Rosa Chisholm.

**Passed.**—Campbell, Clarence Gordon; Chisholm, Ellen Mary; Creighton, Frieda Isabel; Dobson, Arthur Lea; Duchemin, Adela Irene; Forsyth, Marion Louise; Forsyth, William Harding; Harris, Clyde Vincow; Henry, William Gordon; Jackson, Wilfrid James; McCleave, George Hudson; Macdonald, Edward Mortimer; Mackinnon, Alastair George; McLellan, Isabel Margaret; Nicholson, John Robert; Nicholson, Malcolm John; Rhude, Truman Forbes; Scriven, Helen Josephine; Slayter, Kathryn Lipenard; Spindle, William Mackie; Wambolt, Victoria Helen; Wilson, Constance Christa.

**English 3.—Class I.**—Nichols, Daisy Eliphail; Pugsley, Margaret Louise.

**Class II.**—Moriarty, Jean Olive; (Hutchison, Marguerite Lucille; Power, James Hennigar); Doane, Marion Agnes; Smith, Margaret Lois.

**Passed.**—Blenkinsop, Laura Aileen Marie; Kent, Helen Tupper; Russell, Frances Henderson; Smith, Laura Elizabeth; Wright, Margaret Wells.

**English 4.—Class II.**—Bestley, John Albert; Dunlop, Jean Katharine Grace.

**Passed.**—Atlee, Susan Evangeline; Bissett, Ethel Freda Smith; Blenkinsop, Laura Aileen Marie; Bond, Roberta; Bonsell, John Sidney; Caddell, Otilie Low; Doane, Marion Agnes; Fraser, Everett Scott; Fraser, John Philip Clarke; Godfrey, John Willard;

Grant, Myrtle Vivian; Gunn, Anna Mary; Henry, Elizabeth Blanche; Henry, Florence; Hittle, Roy James Edward; Hutchison, Marguerite Lucille; Kent, Helen Tupper; Laing, Horace Vivian Darrell; MacDonald, Jean; MacKenzie, Anna Sutherland; McCleave, George Ross; Marshall, Geoffrey James; Maxwell, William Russell; Moriarty, Jean Olive; Nelson, Margaret Errima; Nichols, Daisy Eliphail; O'Brien, Alice Isabelle; Parker, Edith Helen; Power, James Hennigar; Pugsley, Margaret Louise; Reynolds, Winifred; Rundle, Bessie Marion; Russell, Frances Henderson; Sandford, Louise Winifred; Sinclair, Donald Mackinnon; Smith, Laura Elizabeth; Smith Margaret Lois; Thompson, Mona; Turner, Bessie Agnes; Wambolt, Victoria Allen; Whitt, Janet Mabel; Wicklowe, Alice Lawton; Wright, Margaret Wells.

**Biblical Literature.—Class II.**—Sinclair, Donald Mackinnon; Parker, Edith Helen; Rundle, Bessie Marion; Nichols, Daisy Eliphail.

**Passed.**—Blenkinsop, Laura Aileen Marie; Bonsell, John Sidney; Cochrane, Leta Marie; Creighton, Frieda Isabel; Forsyth, Ian Keith; Kent, Helen Tupper; Kent, Muriel Dickie; Lewis, Gladys Maie; Lewis, Perley Chase; McCleave, George Hudson; MacDonald, Malcolm Campbell; MacDonald, Sara Elizabeth Gray; Murray, Alexander Sutherland; Thompson, Mona.

**Philosophy 1.—Class II.**—(Reynolds, Winifred; Turner, Bessie Agnes; White, Hazel Marguerite).

**Passed.**—Atlee, Susan Evangeline; Godfrey, John Willard; Henry, William Gordon; Lewis, Gladys Maie; McCleave, George Hudson; McCannell, Florence Jean; MacDonald, Edward Mortimer; MacDonald, Jean; MacDonald, Malcolm Campbell; MacKenzie, Anna Sutherland; Morrison, Myrtle Alexandra; Nicholson, John Robert; Nicholson, Malcolm John; Power, James Hennigar; Priest, Lois Elizabeth; Resnick, Rebecca; Sinclair, Donald Mackinnon; Spindle, William Mackie; Wilson, Constance Christa.

**Philosophy 2.—Class I.**—Bestley, John Albert.

**Class II.**—Smith, Margaret Lois; Fraser, John Philip Clarke; Nichols, Daisy Eliphail; Zick, Sydney Mervin.

**Passed.**—Bissett, Ethel Freda Smith; Blenkinsop, Laura Aileen Marie; Bonsell, John Sidney; Caddell, Otilie Low; Cochrane, Leta Marie; Henry, Perley, Florence; Hutchison, Marguerite Lucille; Kent, Helen Tupper; Lewis, Frances Elizabeth; McCleave, George Ross; MacLellan, Brenton Vans; Pugsley, Margaret Louise; Russell, Frances Henderson; Wambolt, Victoria Allen.

**Philosophy 3.—Class II.**—Fraser, John Philip Clarke; Bonsell, John Sidney; Smith, Margaret Lois.

**Passed.**—Bestley, John Albert; Cho, Hi Yun; Maxwell, William Russell; Pugsley, Margaret Louise; Russell, Frances Henderson; Zick, Sydney Mervin.

**Political Science 1.—Passed.**—Atlee, Susan Evangeline; Blenkinsop, Laura Aileen Marie; Caddell, Otilie Low; Chisholm, Ellen Mary; Cho, Hi Yun; Doane, Marion Agnes; Fraser, Everett Scott; Godfrey, John Willard; Hamilton, Frederick Allan; Henry, Florence; Kent, Helen Tupper; Laing, Horace Vivian Darrell; Lewis, Perley Chase; Macdonald, Edward Mortimer; Macdonald, Sara Elizabeth Gray; McCleave, John Archibald; McCleave, George Ross; Maxwell, William Russell; Moriarty, Jean Olive; Power, James Hennigar; Reynolds, Winifred; Rhude, Truman Forbes; Rundle, Bessie Marion; Scriven, Helen Josephine; Shaw, Isabel Murray; Sinclair, Donald Mackinnon; Waugh, Mary Berchmans;

Wickwire, Alice Lawton; Wilson, Constance Christie; Zinck, Sydney Mervin.

**Political Science 2.—Class 1.**—Fraser, Everett Scott; Grant, Myrtle Vivian.

**Class 2.**—Sister Rose Catherine; Rundle, Bessie Marion. **Passed.**—Henry, Elizabeth Blanche; Henry, Florence; Laing, Beatrice Virginia Darrell; Macdonald, Sara Elizabeth Gray; MacLeod, Don Campbell; MacLeod, John Charles; O'Brien, Alice Isabelle; Parker, Edith Helen; Pugsley, Margaret Louise; Sister Maria Raphael; Sister Teresa Maria; Russell, Frances Henderson.

**Constitutional History.—Class 1.**—("Godfrey, John Wilfrid; \*Rogers, William Marshall); \*Turner, Bessie Agnes; Fraser, Everett Scott; Laing, Horace Vivian Darrell;

**Class 2.**—Parker, Edith Helen; Bissett, Ethel Freda Smith; Zinck, Sydney Mervin; (Macdonald, Edward Mortimer; Morrison, Myrtle Alexandra).

**Passed.**—Armitage, Marjorie Ruth Dalhousie; Campbell, Helen Jessie; Cho, Hi Yum; Doane, Marion Agnes; Frame, Rita Chisholm; Gunn, Anna Mary; Hamilton, Frederick Allan; Henry, Florence; Hutchison, Florence Edith; Hutchison, Marguerite Lucille; Kilian, Evelyn Aranda; Lewis, Frances Elizabeth; McConnell, Florence Jean; Macdonald, Jean; MacLachy, Reginald Shaw; MacLeod, John Donald; Moriarty, Jean Olive; Nelson, Margaret Emma; Nicholson, John Robert; Nicholson, Malcolm John; Sandford, Louise Winifred; Sciniffe, William Mackie; Wambolt, Victoria Alice; White, Hazel Marguerite; White, Janet Mabel; Wright, Margaret Wells.

**Mathematics 1.—Class 1.**—Morrison, Mabel Margaret; Kravis, Lucy; (Burns, Mary Eileen; Tyler, Ada Victoria).

**Passed.**—Atlee, Susan Evangelina; Blanchard, Frank Milne; Fraser, Jean Elizabeth; Hamilton, Frederick Allan; Hayes, Kenneth Paul Joseph; Kelley, Marjorie Dunbar; Tremain, Frederick Hudson Dunsier; Ward, Richard Payzant; Wright, Margaret Wells.

**Mathematics 2.—Class 1.**—Dunlop, Jean Katharine Grace; Chisholm, James William Francis; Frame, Alfred Putnam; Jackson, Wilfrid James.

**Class 2.**—Ross, Alexander Daniel.

**Passed.**—Davison, James Forrester; Mackinnon, Alastair George; MacLean, Harold Seymour; Shiers, Minnie McLeod; Smith, Laura Elizabeth.

**Mathematics 4.—Class 1.**—Dunlop, Jean Katharine Grace; MacKenzie, Anna Sutherland; Turner, Bessie Agnes.

**Passed.**—Doucette, Andrew Leo; Gallagher, Reginald; McConnell, Florence Jean; McCurdy, Lyall Radcliffe; Marshall, Geoffrey James; Saunders, James Erling; Warner, Donald Franklin; White, Hazel Marguerite.

**Acoustics.—Passed.**—Campbell, Elsie Alma; Higgins, Frances Dorothy; Little, Florence Natalie.

**Physics 1A.—Class 1.**—Saunders, James Erling; Warner, Donald Franklin.

**Passed.**—Doucette, Andrew Leo; Gallagher, Reginald; McCurdy, Lyall Radcliffe; Marshall, Geoffrey James.

**Physics 1B.—Class 1.**—MacKenzie, Anna Sutherland.

**Class 2.**—White, Hazel Marguerite; Sister Rose Catherine; Campbell, Clarence Gordon.

**Passed.**—Bond, Roberta; Cochrane, Leta Marie; Gunn, Anna Mary; Harris, Clyde Vinecove; Laurence, John Gordon; Sister Teresa Maria.

**Physics 6.—Class 2.**—McCurdy, Lyall Radcliffe; (Saunders, James Erling; Warner, Donald Franklin).

**Passed.**—Doucette, Andrew Leo; Gallagher, Reginald; Marshall, Geoffrey James.

**Chemistry 1.—Class 2.**—Maxwell, William Russell.

**Passed.**—Cameron, Lester; Davison, James Forrester; Harris, Clyde Vinecove; Lewis, Gladys Marie; Macdonald, Sara Elizabeth Gray; MacLean, Brenton Vane; Priest, Lois Elizabeth; Tyler, Ada Victoria.

**Chemistry 1A.—Class 1.**—Campbell, Clarence Gordon; Ross, Alexander Daniel; Morrison, Mabel Margaret.

**Class 2.**—Chisholm, James William Francis; Jackson, Wilfrid James; MacLean, Harold Seymour; Grant, Myrtle Vivian; Fraser, Jean Elizabeth.

**Passed.**—Burns, Mary Eileen; Dobson, Arthur Leo; Laurence, John Gordon.

**Chemistry 2.—Class 2.**—McConnell, Florence Jean.

**Passed.**—Bond, Roberta; White, Janet Mabel.

**Geology 1.—Class 1.**—Maxwell, William Russell; Fegery, William Marshall; Fraser, Everett Scott; (Coté, Otilie Lou; Dunlop, Jean Katharine Grace; Rundle, Bessie Marion).

**Class 2.**—Grant, Myrtle Vivian; Sister Rose Catherine (Boswell, John Sidney; McLeod, George Ross); (Frame, Rita Chisholm; Fraser, John Philip Clarke); Sister Teresa Maria.

**Passed.**—Doane, Marion Agnes; Duchesne, Adela Irene.

**Geology 1A.—Passed.**—Harrison, James Arthur.

**Geology 2.—Class 2.**—Bentley, John Albert.

**Passed.**—Macdonald, Sara Elizabeth Gray; Power, James Hennigar; Rundle, Bessie Marion.

**Geology 3.—Class 1.**—Bentley, John Albert.

**Class 2.**—McClelland, William Raymond.

**Biology 1.—Class 1.**—Thompson, Willard Owen; Maxwell, William Russell; Bond, Roberta.

**Class 2.**—Fraser, Everett Scott; Irwin, Prescott St. Clair; Sinclair, Donald Mackan.

**Passed.**—Bissett, Ethel Freda Smith; Cameron, Lester; Cho, Hi Yum; Creighton, Frieda Isabel; Forsyth, Ian Keith; Hutchison, Marguerite Lucille; Lewis, Frances Elizabeth; Macdonald, Jean; Moriarty, Jean Olive; Morrison, Myrtle Alexandra; Murray, Alexander Sutherland; Nelson, Margaret Emma; Sandford, Louise Winifred; Thompson, Mona; Wickwire, Alice Lawton.

**Biology 3.—Passed.**—Blenkinsop, Laura Aileen Marie; Dickson, Mary deWolfe; Kent, Helen Tupper; Macdonald, Mona Dorothy; Smith, Laura Elizabeth.

**Drawing 1.—Class 2.**—Ross, Alexander Daniel; MacLean, Harold Seymour; Dolson, Arthur Leo; Frame, Alfred Putnam.

**Passed.**—Bovus, Carlotta Frederic.

**Drawing 1A.—Passed.**—Macdonald, Mona Dorothy.

**Drawing 2.—Class 1.**—Ross, Alexander Daniel.

**Class 2.**—Harrison, James Arthur.

**Passed.**—Arthur, Harold Franklyn; Dolson, Arthur Leo; McClelland, William Raymond; MacLean, Harold Seymour; Tremaine, Charles Wylton Strachan.

**Surveying.**—*Class II.*—(Doucette, Andrew Leo; Warner, Donald Franklin); McCurdy, Lyall Radcliffe; Ross, Alexander Daniel; Saunders, James Erling.  
*Passed.*—Arthur, Harold Franklyn; Gallagher, Reginald; McClelland, William Raymond; MacLean, Harold Seymour; Tremaine, Charles Wylton Strachan.

**Mapping and Field Work.**—*Class I.*—Warner, Donald Franklin.

*Class II.*—(McCurdy, Lyall Radcliffe; Ross, Alexander Daniel); Doucette, Andrew Leo; McClelland, William Raymond.

*Passed.*—Arthur, Harold Franklyn; Gallagher, Reginald; MacLean, Harold Seymour; Marshall, Geoffrey James; Saunders, James Erling; Tremaine, Charles Wylton Strachan.

**Mechanics 1.**—*Class I.*—Ross, Alexander Daniel.

*Passed.*—Harrison, James Arthur; Mackinson, Alastair George; MacLean, Harold Seymour; Tremaine, Charles Wylton Strachan; White, Hazel Marguerite.

**Mechanics 2.**—*Class II.*—Warner, Donald Franklin; Doucette, Andrew Leo; McCurdy, Lyall Radcliffe.

*Passed.*—Gallagher, Reginald; Saunders, James Erling.

**Mechanics 3.**—*Class I.*—Warner, Donald Franklin.

*Class II.*—Saunders, James Erling; McCurdy, Lyall Radcliffe.

*Passed.*—Doucette, Andrew Leo; Gallagher, Reginald; Marshall, Geoffrey James.

**Mechanics 4.**—*Class II.*—Warner, Donald Franklin; Doucette, Andrew Leo; McCurdy, Lyall Radcliffe.

*Passed.*—Saunders, James Erling.

**Mechanics 5.**—*Class I.*—Warner, Donald Franklin; Saunders, James Erling.

*Class II.*—McCurdy, Lyall Radcliffe; Ross, Alexander Daniel.

*Passed.*—Arthur, Harold Franklyn; Doucette, Andrew Leo; Gallagher, Reginald; Harrison, James Arthur; McClelland, William Raymond; MacLean, Harold Seymour; Marshall, Geoffrey James; Tremaine, Charles Wylton Strachan.

**Physiology 1A.**—*Passed.*—Cowell, Berta Davidson; MacDonald, Mona Dorothy.

## FACULTY OF LAW.

### SUPPLEMENTARY EXAMINATIONS.

**Equity.**—Jeffers, Joseph D'Aubigne.

**Partnership.**—White, Donald Vaughan.

### SESSIONAL EXAMINATIONS.

**CLASS LISTS.**—Names in "Class I" and "Class II" are in Order of Merit. Names under heading "Passed" are in Alphabetical Order. Names in brackets indicate Candidates of equal merit.

#### FIRST YEAR.

**Contracts.**—*Class I.*—Rogers, William Marshall; Godfrey, John Willrid.

## Examinations.

*Class II.*—Soucy, Emile; McDougall, Marjorie Claudine.  
*Passed.*—Chiasson, Delphin; Hayden, William Thomas.

**Torts.**—*Class I.*—Frame, Hugh Campbell; Rogers, William Marshall.

*Class II.*—(Hayden, William Thomas; McDougall, Marjorie Claudine).

*Passed.*—Soucy, Emile.

**Crimes.**—*Class I.*—McDougall, Marjorie Claudine; Rogers, William Marshall; Frame, Hugh Campbell; Hayden, William Thomas.

*Class II.*—Walker, John Archibald.

*Passed.*—Frame, Rita Chisholm; Soucy, Emile.

**Constitutional History.**—*Class I.*—Frame, Hugh Campbell; McDougall, Marjorie Claudine.

*Class II.*—Hardin, William Thomas; Soucy, Emile.

*Passed.*—Chiasson, Delphin.

**History of English Law.**—*Class I.*—Frame, Hugh Campbell  
*Class II.*—McDougall, Marjorie Claudine; Hayden, William Thomas; Soucy, Emile; Chiasson, Delphin.

*Passed.*—Ramsay, George Russell.

**Real Property.**—*Class I.*—Frame, Hugh Campbell.

*Class II.*—McDougall, Marjorie Claudine.

*Passed.*—Hayden, William Thomas; Soucy, Emile.

## SECOND YEAR.

**Equity 2.**—*Class I.*—McCleave, Robert David; (MacKenzie, Emelyn Laura; Walker, John Archibald); McInnes, Caroline Isabel.

*Class II.*—Pottier, Vincent Joseph; Rutledge, James Edward; MacDonald, Vincent Christopher.

*Passed.*—White, Donald Vaughan.

**Sales.**—*Class I.*—MacDonald, Vincent Christopher.

*Class II.*—Pottier, Vincent Joseph.

*Passed.*—Rutledge, James Edward; White, Donald Vaughan.

**Bills and Notes.**—*Class I.*—MacDonald, Vincent Christopher.

*Passed.*—Pottier, Vincent Joseph.

**Insurance.**—*Class I.*—MacDonald, Vincent Christopher.

*Class II.*—Pottier, Vincent Joseph.

**Agency.**—*Class II.*—MacDonald, Vincent Christopher; Pottier, Vincent Joseph.

**Wills and Administration.**—*Class I.*—MacDonald, Vincent Christopher.

*Passed.*—Pottier, Vincent Joseph.

**Evidence.**—*Class II.*—Pottier, Vincent Joseph.

**Procedure 1.**—*Class I.*—MacDonald, Vincent Christopher.

*Passed.*—Pottier, Vincent Joseph.

**Dominion Statutes.**—*Class I.*—MacDonald, Vincent Christopher; Pottier, Vincent Joseph.

## THIRD YEAR.

**Evidence 2.**—*Class I.*—MacKenzie, Emelyn Laura; McInnes, Caroline Isabel; McCleave, Robert David; Walker, John Archibald; Rutledge, James Edward.

*Class II.*—White, Donald Vaughan.

**Corporations.**—Class I.—McInnes, Caroline Isabel; McCleave, Robert David; MacKenzie, Emelyn Laura; Walker, John Archibald.

Class II.—Rutledge, James Edward.

Passed.—White, Donald Vaughan.

**Conflicts.**—Class I.—McCleave, Robert David; Walker, John Archibald; MacKenzie, Emelyn Laura; McInnes, Caroline Isabel.

Class II.—Rutledge, James Edward.

Passed.—White, Donald Vaughan.

**Shipping.**—Class I.—McCleave, Robert David; Walker, John Archibald; Rutledge, James Edward; McInnes, Caroline Isabel.

Class II.—White, Donald Vaughan.

**Mortgages and Suretyship.**—Class II.—McCleave, Robert David; Walker, John Archibald.

Passed.—McInnes, Caroline Isabel; Rutledge, James Edward; White, Donald Vaughan.

**Procedure 2.**—Class I.—McCleave, Robert David; Walker, John Archibald; Rutledge, James Edward; McInnes, Caroline Isabel.

Passed.—White, Donald Vaughan.

**Practical Statutes.**—Class I.—MacKenzie, Emelyn Laura; McCleave, Robert David; McInnes, Caroline Isabel.

Class II.—Walker, John Archibald.

Passed.—Rutledge, James Edward; White, Donald Vaughan.

**Constitutional Law.**—Class I.—McCleave, Robert David; Walker, John Archibald; McInnes, Caroline Isabel.

Class II.—Rutledge, James Edward.

Passed.—White, Donald Vaughan.

## FACULTY OF MEDICINE.

### SUPPLEMENTARY EXAMINATIONS.

**Physics 1B.**—Boyd, Raymond Wilfred; Campbell, Duncan Alexander.

**Chemistry 1B.**—Campbell, Duncan Alexander; Pidgeon, Ira Sutherland.

**Biology 1.**—Boyd, Raymond Wilfred.

**Histology.**—Gowan, Edward Thomas.

**Anatomy and Embryology.**—Cooper, Reginald Frederick Clough; Hamlan, Maurice Brent; Ross, Raymond Hugh.

**Chemistry 3.**—Cooper, Reginald Frederick Clough.

**Physiology 1.**—Acker, Thomas Burns; Ross, Raymond Hugh.

**Physiology 4.**—Keshen, Saul Harold.

**Pathology.**—Bayne, Charles Macdonald; Masters, Charles Galtzart.

**Surgery 1.**—Vincey, Samuel.

**Surgery 2.**—Hawkins, Rupert Clarence Giles.

**Medicine 2.**—Hawkins, Rupert Clarence Giles.

**Obstetrics and Gynaecology.**—Hawkins, Rupert Clarence Giles; Pothier, Hector Joseph.

**Hygiene.**—Hawkins, Rupert Clarence Giles.

**Medical Jurisprudence.**—Hawkins, Rupert Clarence Giles.

**Therapeutics.**—Hawkins, Rupert Clarence Giles.

**Paediatrics.**—Hawkins, Rupert Clarence Giles.

## SESSIONAL EXAMINATIONS.

**CLASS LISTS**—Names under heading "Distinction" are in order of merit, under heading "Passed" in alphabetical order. Brackets indicate candidates of equal merit.

### FIRST YEAR.

**Physics 1B.**—Passed.—Acker, John Christopher; Anglin, Ives Maurice; Chesley, Arthur Sharp; Christianson, Phebe Kirsten Cochrane; Dara Mason; Cochrane, Perry Stanley; Corbett, Herbert Redmond; Corbin, Harold Hunter; Dolan, Harold Sylvester; Jamieson, Howard Maxwell; Kinley, Cecil Edwin; Levine, Maurice; Lyons, Hubert Antoine; MacLeod, Clement; Medjuck, Abraham; Murray, Foster Sproull, (Lab.); Thorne, Alice Evelyn; Wilson, Frank Gordon.

**Chemistry 1B.**—Distinction.—Kinley, Cecil Edwin.

Passed.—Acker, John Christopher; Anglin, Ives Maurice; Chesley, Arthur Sharp; Christianson, Phebe Kirsten; Cochrane, Dara Mason; Cochrane, Perry Stanley; Corbett, Herbert Redmond; Jamieson, Howard Maxwell; Layton, Francis Newcomb; MacLeod, Clement; Medjuck, Abraham; Murray, Foster Sproull; Nye, Iris Florence; Rowlings, David MacPherson; Thorne, Alice Evelyn; Wilson, Frank Gordon.

**Biology 1.**—Distinction.—Thorne, Alice Evelyn.

Passed.—Acker, John Christopher; Anglin, Ives Maurice; Arseneault, Ludwig; Chesley, Arthur Sharp; Christianson, Phebe Kirsten; Cochrane, Dara Mason; Cochrane, Perry Stanley; Corbett, Herbert Redmond; Corbin, Harold Hunter; Coster, Frederick Edwin; Prescott St. Clair; Jamieson, Howard Maxwell; Kinley, Cecil Edwin; Layton, Francis Newcomb; Levine, Maurice; Lyons, Hubert Antoine; MacLeod, Clement; Murray, Foster Sproull; Nye, Iris Florence; Thomson, Clyde Anley; Wilson, Frank Gordon.

**Histology.**—Distinction.—Thompson, Willard Owen; Irwin, Prescott St. Clair; Christianson, Phebe Kirsten; Anglin, Ives Maurice; Murray, Foster Sproull; Jamieson, Howard Maxwell; McNally, William James; MacLeod, Hugh Gordon.

Passed.—Acker, John Christopher; Chase, William Henry; Chesley, Arthur Sharp; Chute, Frank Foster; Cochrane, Dara Mason; Cochrane, Perry Stanley; Corbett, Herbert Redmond; Corbin, Harold Hunter; Coster, Frederick Edwin; Dolan, Harold Sylvester; Harquail, Raymond James; Holland, Clyde Wallace; Kinley, Cecil Edwin; Lavers, Mildred Peters; Lyons, Hubert Antoine; MacLeod, Clement; Medjuck, Abraham; Rowlings, David MacPherson; Stone, Oscar Robert; Thomson, Clyde Anley; Thorne, Alice Evelyn.

**Practical Anatomy (Oral).**—Distinction.—Dolan, Harold Sylvester; Irwin, Prescott St. Clair.

Passed.—Acker, John Christopher; Anglin, Ives Maurice; Arseneault, Ludwig; Chesley, Arthur Sharp; Christianson, Phebe Kirsten; Cochrane, Dara Mason; Cochrane, Perry Stanley; Colwell, Berta Davidson; Corbett, Herbert Redmond; Corbin, Harold Hunter; Coster, Frederick Edwin; Harquail, Raymond James; Holland, Clyde Wallace; Jamieson, Howard Maxwell; Kinley,

Cecil Edwin; Lavens, Mildred Peters; Lawlor, Russell Bruce; Layton, Francis Newcomb; Levine, Maazrie; Lyons, Hubert Antoine; MacLean, Sybil; MacLeod, Clement; Modjick, Abraham; Murray, Foster Spruell; Nye, Iris Florence; Rowlings, David MacPherson; Thompson, Willard Owen; Thomson, Clyde Anley; Thorne, Alice Evelyn; Wilson, Frank Gordon.

## SECOND YEAR.

**Chemistry 3.**—*Distinction.*—MacLean, Angus Lloyd; Gosse, Norman Howard.

*Passed.*—Belliveau, Pierre Elise; Beanson, Corey Seldon; Campbell, Duncan Alexander; Chase, Margaret Rebecca; Chase, William Henry; Chute, Frank Foster; Creighton, Anna St. Clair; Gillis, Raymond Ignatius; Granville, Edward Thomas; Haslam, Maurice Brent; MacDonald, Eric Wallace; MacIntosh, John Wilfrid; MacLean, Alexander Charles; MacLean, John Oler; MacLeod, Christine Catherine; MacLeod, Hugh Gordon; McNally, William James; Marshall, Arthur Middlemas; Pullins, William Annesley; Smith, Gordon Kent; Thurott, Elizabeth Hope.

**Anatomy and Embryology.**—*Distinction.*—(Chute, Frank Foster; MacLeod, Hugh Gordon); Gosse, Norman Howard; MacLean, Angus Lloyd; McNally, William James; Campbell, Duncan Alexander; MacDonald, Eric Wallace.

*Passed.*—Belliveau, Pierre Elise; Beanson, Corey Seldon; Boydes, Raymond Wilfred; Chase, Margaret Rebecca; Chase, William Henry; Cragg, Grace Teresa Mary; Creighton, Anna St. Clair; Gillis, Raymond Ignatius; Granville, Edward Thomas; Haslam, Maurice Brent; MacIntosh, John Wilfrid; MacLenn, Alexander Charles; MacLean, John Oler; MacLeod, Christine Catherine; Marshall, Arthur Middlemas; Pilgson, Ira Santoro; Pullins, William Annesley; Smith, Charles Gordon; Smith, Gordon Kent; Stone, Oscar Robert; Thurott, Elizabeth Hope.

**Physiology 1 and 2.**—*Distinction.*—MacLeod, Hugh Gordon; Chute, Frank Foster; McNally, William James).

*Passed.*—Belliveau, Pierre Elise; Beanson, Corey Seldon; Boydes, Raymond Wilfred; Campbell, Duncan Alexander; Chase, Margaret Rebecca; Chase, William Henry; Cragg, Grace Teresa Mary; Creighton, Anna St. Clair; Gillis, Raymond Ignatius; Gosse, Norman Howard; Granville, Edward Thomas; Haslam, Maurice Brent; MacDonald, Eric Wallace; MacIntosh, John Wilfrid; MacLean, Alexander Charles; MacLean, Angus Lloyd; MacLean, John Oler; Marshall, Arthur Middlemas; Smith, Charles Gordon; Smith Gordon Kent; Stone, Oscar Robert; Thurott, Elizabeth Hope.

**Practical Materia Medica.**—*Passed.*—Belliveau, Pierre Elise; Beanson, Corey Seldon; Boyles, Raymond Wilfred; Campbell, Duncan Alexander; Chase, Margaret Rebecca; Chase, William Henry; Chute, Frank Foster; Cragg, Grace Teresa Mary; Dolan, Harold Sylvester; Gosse, Norman Howard; Granville, Edward Thomas; Lyons, Hubert Antoine; MacDonald, Eric Wallace; MacLean, Alexander Charles; MacLean, Angus Lloyd; MacLean, John Oler; MacLeod, Christine Catherine; MacLeod, Hugh Gordon; McNally, William James; Marshall, Arthur Middlemas; Pilgson, Ira Santoro; Pullins, William Annesley; Smith, Charles Gordon; Smith, Gordon Kent; Stone, Oscar Robert; Thurott, Elizabeth Hope.

## THIRD YEAR.

**Physiology 4.**—*Distinction.*—Elliot, Henry Charles Schomberg; Hoare, Daniel William; LeBlanc, Leo John.

*Passed.*—Arker, Thomas Burns; Archibald, Bruce Corbett; Bagnall, Percy Ormiston; Campbell, Alexander Brown; Cooper, Reginald Frederick Clough; Coulter, William Busby; Dickson, Henry Spencer; Fitzpatrick, William Patrick Stephen; Green, Arthur Solomon; McKiggan, John; Morrison, George Wendell; Patterson, Mabel Gladys; Resnick, Mildred; Ross, Hugh Raymond; Walsh, Francis Eugene.

**Pathology.**—*Distinction.*—Hoare, Daniel William; Fitzpatrick, William Patrick Stephen.

*Passed.*—Archibald, Bruce Corbett; Bagnall, Percy Ormiston; Campbell, Alexander Brown; Coulter, William Busby; Dickson, Henry Spencer; Elliot, Henry Charles Schomberg; Green, Arthur Solomon; McKiggan, John; Morrison, George Wendell; Patterson, Mabel Gladys; Resnick, Mildred; Ross, Hugh Raymond.

**Bacteriology.**—*Distinction.*—Hoare, Daniel William.

*Passed.*—Arker, Thomas Burns; Archibald, Bruce Corbett; Bagnall, Percy Ormiston; Campbell, Alexander Brown; Cooper, Reginald Frederick Clough; Coulter, William Busby; Dickson, Henry Spencer; Elliot, Henry Charles Schomberg; Fitzpatrick, William Patrick Stephen; Green, Arthur Solomon; LeBlanc, Leo John; McKiggan, John; Morrison, George Wendell; Patterson, Mabel Gladys; Resnick, Mildred; Ross, Hugh Raymond; Walsh, Francis Eugene.

**Materia Medica.**—*Passed.*—Arker, Thomas Burns; Archibald, Bruce Corbett; Bagnall, Percy Ormiston; Campbell, Alexander Brown; Coulter, William Busby; Dickson, Henry Spencer; Elliot, Henry Charles Schomberg; Fitzpatrick, William Patrick Stephen; Green, Arthur Solomon; Hoare, Daniel William; McKiggan, John; Morrison, George Wendell; Patterson, Mabel Gladys; Resnick, Mildred; Ross, Hugh Raymond.

**Surgery 1.**—*Distinction.*—Fitzpatrick, William Patrick Stephen; Resnick, Mildred; McKiggan, John.

*Passed.*—Archibald, Bruce Corbett; Bagnall, Percy Ormiston; Campbell, Alexander Brown; Cooper, Reginald Frederick Clough; Coulter, William Busby; Dickson, Henry Spencer; Elliot, Henry Charles Schomberg; Green, Arthur Solomon; Hoare, Daniel William; Morrison, George Wendell; Patterson, Mabel Gladys; Ross, Hugh Raymond; Walsh, Francis Eugene.

**Medicine 1.**—*Distinction.*—Elliot, Henry Charles Schomberg; Campbell, Alexander Brown.

*Passed.*—Arker, Thomas Burns; Archibald, Bruce Corbett; Bagnall, Percy Ormiston; Coulter, William Busby; Dickson, Henry Spencer; Green, Arthur Solomon; Hoare, Daniel William; LeBlanc, Leo John; McKiggan, John; Morrison, George Wendell; Patterson, Mabel Gladys; Resnick, Mildred; Ross, Hugh Raymond.

**Clinical Chemistry and Clinical Microscopy.**—*Distinction.*—Elliot, Henry Charles Schomberg; Archibald, Bruce Corbett; Coulter, William Busby; McKiggan, John; Resnick, Mildred; Arker, Thomas Burns.

*Passed.*—Bagnall, Percy Ormiston; Campbell, Alexander Brown; Cooper, Reginald Frederick Clough; Dickson, Henry



Spencer; Fitzpatrick, William Patrick Stephen; Green, Arthur Solomon; Hoare, Daniel William; LeBlanc, Leo John; Morrison, George Wendell; Patterson, Mabel Gladys; Ross, Hugh Raymond; Walsh, Francis Eugene.

**Practical Anatomy (Oral).**—*Distinction.*—Hoare, Daniel William; Elliot, Henry Charles Schomburg; McKeggan, John.

*Passed.*—Acker, Thomas Burns; Archibald, Bruce Corbett; Bagnall, Percy Ormiston; Campbell, Alexander Brown; Cooper, Reginald Frederick Clough; Coulter, William Busby; Dickson, Henry Spencer; Fitzpatrick, William Patrick Stephen; Green, Arthur Solomon; LeBlanc, Leo John; Morrison, George Wendell; Patterson, Mabel Gladys; Resnick, Mildred; Ross, Hugh Raymond; Walsh, Francis Eugene.

#### FOURTH YEAR.

**Surgery 2.**—*Distinction.*—Anderson, Annie Almira; Reid, Alexander Robert; Donkin, Charles Alpin; Daley, William Edmund.

*Passed.*—Baxendale, Paul; Bayne, Charles Macdonald; Hoggood, Ella Pearl; Ivimey, Samuel; Keshen, Saul Harold; Kirwan, Patrick Mockler; Malcolm, Frank Frederick Phillips; Marsters, Charles Galitzan.

**Medicine 2.**—*Distinction.*—Anderson, Annie Almira; Reid, Alexander Robert; Hoggood, Ella Pearl; Donkin, Charles Alpin; Kirwan, Patrick Mockler.

*Passed.*—Baxendale, Paul; Bayne, Charles Macdonald; Daley, William Edmund; Ivimey, Samuel; Keshen, Saul Harold; Malcolm, Frank Frederick Phillips; Marsters, Charles Galitzan.

**Obstetrics and Gynaecology.**—*Distinction.*—Anderson, Annie Almira; Hoggood, Ella Pearl; Reid, Alexander Robert.

*Passed.*—Baxendale, Paul; Bayne, Charles Macdonald; Daley, William Edmund; Donkin, Charles Alpin; Ivimey, Samuel; Keshen, Saul Harold; Kirwan, Patrick Mockler; Malcolm, Frank Frederick Phillips; Marsters, Charles Galitzan.

**Medical Jurisprudence.**—*Distinction.*—Hoggood, Ella Pearl; Reid, Alexander Robert.

*Passed.*—Anderson, Annie Almira; Baxendale, Paul; Bayne, Charles Macdonald; Daley, William Edmund; Donkin, Charles Alpin; Ivimey, Samuel; Keshen, Saul Harold; Kirwan, Patrick Mockler; Malcolm, Frank Frederick Phillips; Marsters, Charles Galitzan.

**Hygiene.**—*Passed.*—Anderson, Annie Almira; Baxendale, Paul; Bayne, Charles Macdonald; Daley, William Edmund; Donkin, Charles Alpin; Hoggood, Ella Pearl; Ivimey, Samuel; Keshen, Saul Harold; Kirwan, Patrick Mockler; Malcolm, Frank Frederick Phillips; Marsters, Charles Galitzan; Reid, Alexander Robert.

**Therapeutics.**—*Distinction.*—Keshen, Saul Harold; Malcolm, Frank Frederick Phillips.

*Passed.*—Anderson, Annie Almira; Baxendale, Paul; Bayne, Charles Macdonald; Daley, William Edmund; Donkin, Charles Alpin; Hoggood, Ella Pearl; Ivimey, Samuel; Kirwan, Patrick Mockler; Marsters, Charles Galitzan; Reid, Alexander Robert.

**Pædiatrics.**—*Distinction.*—Anderson, Annie Almira.

*Passed.*—Baxendale, Paul; Bayne, Charles Macdonald; Daley, William Edmund; Donkin Charles Alpin; Hoggood, Ella

Pearl; Ivimey, Samuel; Keshen, Saul Harold; Kirwan, Patrick Mockler; Malcolm, Frank Frederick Phillips; Marsters, Charles Galitzan; Reid, Alexander Robert.

#### FINAL EXAMINATIONS.

**Surgery and Surgical Anatomy.**—*Distinction.*—Murray, Florence Jessie; Kirwan, Philip Aloysius; MacLeod, Frank Thomas Burke; John; Bain, Charles Grant.

*Passed.*—Baird, Kenneth Allison; Hawkins, Rupert Clarence Giles; MacLeod, Murdoch Gordon; Munro, Jephtha Seth; O'Brien, Willard Cleveland; Pothier, Hector Joseph.

**Clinical Surgery.**—*Passed.*—Bain, Charles Grant; Baird, Kenneth Allison; Hawkins, Rupert Clarence Giles; Kirwan, Philip Aloysius; MacLeod, Frank Thomas; Macleod, Murdoch Gordon; Munro, Jephtha Seth; Murray, Florence Jessie; O'Brien, Willard Cleveland; Pothier, Hector Joseph.

**Medicine and Therapeutics.**—*Distinction.*—Bain, Charles Grant; Kirwan, Philip Aloysius.

*Passed.*—Baird, Kenneth Allison; Burke, John; Hawkins, Rupert Clarence Giles; MacLeod, Frank Thomas; Macleod, Murdoch Gordon; Munro, Jephtha Seth; Murray, Florence Jessie; O'Brien, Willard Cleveland; Pothier, Hector Joseph.

**Clinical Medicine.**—*Distinction.*—Munro, Jephtha Seth; Bain, Charles Grant; Kirwan, Philip Aloysius; Macleod, Murdoch Gordon.

*Passed.*—Baird, Kenneth Allison; Burke, John; Hawkins, Rupert Clarence Giles; MacLeod, Frank Thomas; Murray, Florence Jessie; O'Brien, Willard Cleveland; Pothier, Hector Joseph.

**Obstetrics and Diseases of Women and Children.**—*Distinction.*—Bain, Charles Grant; Munro, Jephtha Seth.

*Passed.*—Baird, Kenneth Allison; Burke, John; Hawkins, Rupert Clarence Giles; Kirwan, Philip Aloysius; MacLeod, Frank Thomas; Macleod, Murdoch Gordon; Murray, Florence Jessie; O'Brien, Willard Cleveland; Pothier, Hector Joseph.

**Mental Diseases.**—*Distinction.*—Murray, Florence Jessie; Kirwan, Philip Aloysius.

*Passed.*—Bain, Charles Grant; Baird, Kenneth Allison; Burke, John; Hawkins, Rupert Clarence Giles; MacLeod, Frank Thomas; Macleod, Murdoch Gordon; Munro, Jephtha Seth; O'Brien, Willard Cleveland; Pothier, Hector Joseph.

#### FACULTY OF DENTISTRY.

##### SUPPLEMENTARY EXAMINATIONS.

**Physics 1B.**—MacIntosh, George Peter.  
**Chemistry 1B.**—MacIntosh, George Peter.  
**Biology 1.**—MacIntosh, George Peter.  
**Histology.**—Grossen, Zola Ivanhoe; Foster, Ira Sanborn.  
**Chemistry 2.**—Gillespie, William Lege.

## SESSIONAL EXAMINATIONS.

CLASS LISTS.—Names under Heading "Distinction" are in order of Merit; under "Passed" in Alphabetical order. Brackets indicate Candidates of Equal Merit.

## FIRST YEAR.

**Physics IB.**—*Passed*.—Embree, Hiram Alexander; Fluck, Walter Leon; Green, George; Keith, William Fraser; McDonald, Alexander Joseph; MacDonald, Howard Weldon; Merrick, John Rankin; Young, William Henry.

**Chemistry IB.**—*Passed*.—Green, George; Keith, William Fraser; Purdy, Clarence Frederick Montgomery; Young, William Henry.

**Biology I.**—*Passed*.—Embree, Hiram Alexander; Fluck, Walter Leon; Green, George; Gunn, William Rollo Rognevald; James, Frederick Alexander; Keith, William Fraser; McDonald, Alexander Joseph; MacDonald, Howard Weldon; Merrick, John Rankin; Peppard, Stanley Harcourt; Purdy, Clarence Frederick Montgomery; Young, William Henry.

**Histology.**—*Passed*.—Embree, Hiram Alexander; Green, George; James, Frederick Alexander; Keith, William Fraser; McDonald, Alexander Joseph; MacDonald, Howard Weldon; McNally, Simon William James; Merrick, John Rankin; Peppard, Stanley Harcourt; Purdy, Clarence Frederick Montgomery; Young, William Henry.

**Practical Anatomy (Oral).**—*Passed*.—Embree, Hiram Alexander; Green, George; Gunn, William Rollo Rognevald; James, Frederick Alexander; Keith, William Fraser; McDonald, Alexander Joseph; MacDonald, Howard Weldon; McNally, Simon William James; Merrick, John Rankin; Peppard, Stanley Harcourt; Purdy, Clarence Frederick Montgomery; Young, William Henry.

**Prosthetic Dentistry.**—*Distinction*.—McDonald, Alexander Joseph; Young, William Henry; MacDonald, Howard Weldon; Green, George.

*Passed*.—Cameron, Lister Hugh; Embree, Hiram Alexander; James, Frederick Alexander; Keith, William Fraser; McNally, Simon William James; Merrick, John Rankin; Peppard, Stanley Harcourt; Purdy, Clarence Frederick Montgomery.

**Dental and Comparative Dental Anatomy.**—*Distinction*.—Keith, William Fraser; MacDonald, Howard Weldon; McDonald, Alexander Joseph.

*Passed*.—Cameron, Lister Hugh; Green, George; James, Frederick Alexander; McNally, Simon William James; Peppard, Stanley Harcourt; Purdy, Clarence Frederick Montgomery; Young, William Henry.

## SECOND YEAR.

**Chemistry 3.**—*Passed*.—Crows, Victor Densmore; Finigan, Malcolm Daley;

**Anatomy and Embryology.**—*Passed*.—Crows, Victor Densmore; Finigan, Malcolm Daley; MacIntosh, George Peter; Reed, Donald Muir.

**Physiology 1 and 3.**—*Passed*.—Crows, Victor Densmore; Finigan, Malcolm Daley; MacIntosh, George Peter; Reed, Donald Muir.

**Operative Dentistry.**—*Distinction*.—Crows, Victor Densmore.

*Passed*.—Finigan, Malcolm Daley; Fluck, Walter Leon; MacIntosh, George Peter; Reed, Donald Muir.

**Prosthetic Dentistry.**—*Distinction*.—(Crows, Victor Densmore; Fluck, Walter Leon.)

*Passed*.—Finigan, Malcolm Daley; MacIntosh, George Peter; Reed, Donald Muir.

## THIRD YEAR.

**Prosthetic Dentistry.**—*Distinction*.—Milne, James Andrew.

*Passed*.—Coysh, Basil Radcliffe.

**Crown and Bridge and Ceramics.**—*Distinction*.—Milne, James Andrew.

*Passed*.—Coysh, Basil Radcliffe.

**Operative Dentistry.**—*Passed*.—Coysh, Basil Radcliffe; Milne, James Andrew.

**Pathology.**—*Passed*.—Milne, James Andrew.

**Bacteriology.**—*Distinction*.—Milne, James Andrew.

*Passed*.—Coysh, Basil Radcliffe.

**Materia Medica.**—*Passed*.—Coysh, Basil Radcliffe; Milne, James Andrew.

**Dental Pathology and Therapeutics.**—*Passed*.—Coysh, Basil Radcliffe; Milne, James Andrew.

**Orthodontia.**—*Distinction*.—Milne, James Andrew.

*Passed*.—Coysh, Basil Radcliffe.

**Surgery I.**—*Passed*.—Milne, James Andrew.

**Exodontia.**—*Distinction*.—Milne, James Andrew.

*Passed*.—Coysh, Basil Radcliffe.

## FOURTH YEAR.

**Surgery and Anesthetics.**—*Distinction*.—Connors, Michael Clarence; Thomas, Frank Crocker.

*Passed*.—Dimock, Karl Keith; Gillespie, William Lester; Mackenzie, Arrabelle Catherine Macdonald.

**Operative Dentistry.**—*Passed*.—Connors, Michael Clarence; Dimock, Karl Keith; Gillespie, William Lester; Mackenzie, Arrabelle Catherine Macdonald; Thomas, Frank Crocker.

**Prosthetic Dentistry.**—*Distinction*.—Connors, Michael Clarence; Dimock, Karl Keith; Mackenzie, Arrabelle Catherine Macdonald.

*Passed*.—Gillespie, William Lester; Thomas, Frank Crocker.

**Orthodontia.**—*Distinction*.—Dimock, Karl Keith; Connors, Michael Clarence.

*Passed*.—Gillespie, William Lester; Mackenzie, Arrabelle Catherine Macdonald; Thomas, Frank Crocker.

**Crown and Bridge Work, Ceramics and Hygiene.**—*Distinction*.—Thomas, Frank Crocker; Connors, Michael Clarence; Dimock, Karl Keith; Mackenzie, Arrabelle Catherine Macdonald; Gillespie, William Lester.

**History, Ethics and Jurisprudence.**—*Distinction*.—Connors, Michael Clarence; Dimock, Karl Keith.

*Passed*.—Gillespie, William Lester; Mackenzie, Arrabelle Catherine Macdonald; Thomas, Frank Crocker.

**Metallurgy**.—*Distinction*.—Dimock, Karl Keith; Connors, Michael Clarence; Mackenzie, Arrabelle Catherine Macdonald; Thomas, Frank Crocker.

*Passed*.—Gillespie, William Lester.

**Oral in Dental Radiography**.—*Distinction*.—Connors, Michael Clarence; Mackenzie, Arrabelle Catherine Macdonald; Dimock, Karl Keith.

*Passed*.—Thomas, Frank Crocker.

#### MAJY GRIND

#### MAJY HIRSH

### STUDENTS, 1918-19.

#### FACULTY OF ARTS AND SCIENCE.

|                              |                                |
|------------------------------|--------------------------------|
| Ahern, John Edward           | Halifax.                       |
| Anand, Charlotte Jean        | Halifax.                       |
| Armitage, Marjorie Ruth Dal- |                                |
| housie                       | Halifax.                       |
| Arthur, Harold Francklyn     | Halifax.                       |
| Atlee, Susan Evangelise      | Annapolis Royal, Anna. Co.     |
| Bentley, John Albert         | Halifax.                       |
| Bissett, Ethel Freda Smith   | Halifax.                       |
| Blanchard, Frank Milne       | Shelburne.                     |
| Black, Jean Allison          | Oxford, Cumb. Co.              |
| Blenkinsop, Laura Alice      |                                |
| Marie                        | Truro, Col. Co.                |
| Bond, Roberta                | St. John's, Nfld.              |
| Bonnell, John Sidney         | Charlottetown, P. E. I.        |
| Bowes, Carleton Frederic     | Halifax.                       |
| Bowlen, Frank Joseph         | North Devon, N. B.             |
| Brian, Alfred Bernard        | Sydney, C. B. Co.              |
| Burns, Mary Eileen           | Halifax.                       |
| Caddell, Ottilie Low         | Shubecacadie, Hants Co.        |
| Cameron, Lester              | Weymouth, Digby Co.            |
| Campbell, Clarence Gordon    | Halifax.                       |
| Campbell, Elliot Stirling    | Halifax.                       |
| Campbell, Elsie Alma         | Halifax.                       |
| Campbell, Helen Jessie       | Halifax.                       |
| Chapman, Alexander Laurie    | Eastern Harbour, Inv. Co.      |
| Chisholm, Alexander Roy      | Halifax.                       |
| Chisholm, Ellen Mary         | Halifax.                       |
| Chisholm, James William      |                                |
| Francis                      | Pictou.                        |
| Cho, Hi Yun                  | Han Hang, Korea.               |
| Clark, James Purcell         | Sydney, C. B. Co.              |
| Cochrane, Leta Marie         | Fox River, Cumb. Co.           |
| Colquhoun, James William     | Halifax.                       |
| Colwell, Berta Davidson      | Halifax.                       |
| Creighton, Frieda Isabel     | Halifax.                       |
| Cunningham, Maurice Ward     | Halifax.                       |
| Davison, James Forrester     | Jollimore Village, Halifax Co. |
| Dickson, Mary deWolfe        | Dartmouth.                     |
| Doane, Marion Agnes          | Truro, Col. Co.                |
| Dobson, Arthur Lea           | New Glasgow, Pic. Co.          |
| Doucetor, Andrew Leo         | Yarmouth.                      |
| Duchemin, Adela Irene        | Sydney, C. B. Co.              |
| Dunlop, Jean Katharine Grace | Port Dufferin, Hfx. Co.        |
| Evans, Harold Gordon         | Wolfville, King's Co.          |

|                               |                                 |
|-------------------------------|---------------------------------|
| Fader, Charles Edward         | Halifax.                        |
| Feezyth, Ian Keith            | Dartmouth.                      |
| Feezyth, Marion Louise        | Dartmouth.                      |
| Feezyth, William Harding      | Sheffield Mills, King's Co.     |
| Frame, Alfred Paterson        | Westville, Pic. Co.             |
| Frame, Rita Chisholm          | Halifax.                        |
| Fraser, Everett Scott         | Wolfville, King's Co.           |
| Fraser, Jean Elizabeth        | Halifax.                        |
| Fraser, John Philip Clarke    | Big Bras d'Or, Vic. Co.         |
| Gallagher, Reginald           | Brookfield, Col. Co.            |
| Glendenning, Helen Jean       | West Medford, Mass., U. S. A.   |
| Godfrey, John Wilfrid         | Marshfield, P. E. I.            |
| Gow, Bernard James Robert     | Halifax.                        |
| Grant, Elmer Gordon           | Sydney, C. B. Co.               |
| Grant, Myrtle Virginia        | Pictou.                         |
| Gunn, Anna Mary               | East River St. Mary's, Pic. Co. |
| Gunn, William Rolfo Reginald  | Westville, Pic. Co.             |
| Hall, James Lewis             | Bellevue, Lun. Co.              |
| Hamilton, Frederick Allan     | Scarborough, Tobago, B. W. I.   |
| Hamilton, Hope Evermore       | Malbone Bay, Lun. Co.           |
| Harris, Clyde Visereove       | Halifax.                        |
| Harrison, James Arthur        | Dartmouth.                      |
| Hayes, Kenneth Paul Joseph    | Halifax.                        |
| Herb, Mariel Frances          | Halifax.                        |
| Henry, Elizabeth Blanche      | River John, Pic. Co.            |
| Henry, Florence               | River John, Pic. Co.            |
| Henry, Lillian                | River John, Pic. Co.            |
| Henry, William Gordon         | Halifax.                        |
| Higgins, Frances Dorothy      | Dartmouth.                      |
| Hirtle, Roy James Edward      | Dartmouth.                      |
| Hutchison, Florence Edith     | Oxford, Camb. Co.               |
| Hutchison, Marguerite Lucille | Oxford, Camb. Co.               |
| Jackson, Wilfrid James        | Sydney, C. B. Co.               |
| Jacobson, Morris              | St. John, N. B.                 |
| James, Frederick Alexander    | St. John's, Nfld.               |
| Kelley, Marjorie Dunbar       | St. John, N. B.                 |
| Kent, Helen Tupper            | Truro, Col. Co.                 |
| Kent, Muriel Dickie           | Truro, Col. Co.                 |
| Killam, Evelyn Amanda         | Halifax.                        |
| Kravis, Lucy                  | Halifax.                        |
| Laing, Horace Vivian Darrell  | Halifax.                        |
| Langwith, Christopher Myers   | Sydney Mines, C. B. Co.         |
| Laurence, John Gordon         | Margaree Harbour, Inv. Co.      |
| Lavers, Mildred Peters        | New Ross, Lun. Co.              |
| Lewis, Frances Elizabeth      | Bedford, Hfx. Co.               |
| Lewis, Gladys Maie            | Upper Economy, Col. Co.         |
| Lewis, Perley Chase           | Belmont, Col. Co.               |
| Littler, Florence Natalie     | Halifax.                        |
| Lohnes, Ewart Raymond         | Lunenburg.                      |
| McCleave, George Hudson       | Stewiacke, Col. Co.             |
| McClelland, William Raymond   | Halifax.                        |

|                                     |                           |
|-------------------------------------|---------------------------|
| McConnell, Florence Jean            | Halifax.                  |
| McCulloch, Jean Wallace             | Everett, Mass., U. S. A.  |
| McCurdy, John Archibald             | Halifax.                  |
| McCurdy, Lyall Radcliffe            | New Glasgow, Pic. Co.     |
| MacDonald, Charles Elliott          | Halifax.                  |
| MacDonald, Edward Mortimer          | Pictou.                   |
| MacDonald, Frederick Raymond Currie | Halifax.                  |
| MacDonald, Howard Weldon            | Sydney Mines, C. B. Co.   |
| McDonald, James Hugh                | St. Peter's, Rich. Co.    |
| McDonald, Jean                      | Truro, Col. Co.           |
| MacDonald, Malcolm Campbell         | Bradabane, P. E. I.       |
| Macedonald, Mona Dorothy            | Halifax.                  |
| Macedonald, Sara Elizabeth Gray     | Halifax.                  |
| McDonald, Thompson                  | Glace Bay, C. B. Co.      |
| MacGillivray, Rita                  | Halifax.                  |
| McGrath, Mona Rose, B. A.           | St. John, N. B.           |
| MacKenzie, Anna Sutherland          | Pictou.                   |
| Mackinon, Alastair George           | Halifax.                  |
| MacLachy, Reginald Shaw             | Hantsport, Hants Co.      |
| MacLean, Brenton Vans               | Central Lot 16, P. E. I.  |
| MacLean, Ella Sara                  | Orangetown, Inv. Co.      |
| MacLean, Harold Seymour             | Tremon, Pic. Co.          |
| MacLean, John Archibald             | Glace Bay, C. B. Co.      |
| McLellan, Isabel Margaret           | Tatamogouche, Pic. Co.    |
| McLennan, Thomas Ewan               | Canuck, Saskatchewan.     |
| MacLeod, Alexander John             | Eel Cove, Vic. Co.        |
| MacLeod, Daniel Campbell            | New Waterford, C. B. Co.  |
| McLeod, George Ross                 | Sydney, C. B. Co.         |
| MacLeod, John Charles               | Post Tupper, Rich. Co.    |
| MacLeod, John Donald                | Baddeck, Vc. Co.          |
| McNeil, Michael Bernard             | New Glasgow, Pic. Co.     |
| Mack, Edgar Ethelbert               | Mill Village, Queen's Co. |
| Manson, William Harold              | North Lochaber, Ant. Co.  |
| Marshall, Geoffrey James            | Halifax.                  |
| Maxwell, William Russell            | Westville, Pic. Co.       |
| Mulligan, William Orr, M. A.        | Bedford, Hfx. Co.         |
| Moore, Hugh Price Hughes            | Port Elgin, N. B.         |
| Moriarty, Jean Olive                | Halifax.                  |
| Morris, Anna Eugene Haycroft        | Halifax.                  |
| Morrison, Mabel Margaret            | Halifax.                  |
| Morrison, Myrtle Alexandra          | Springfield, Ann. Co.     |
| Murray, Alexander Sutherland        | O'Leary, P. E. I.         |
| Nelson, Margaret Ermina             | Truro, Col. Co.           |
| Nichols, Daisy Elphal               | Acaciaville, Digby Co.    |
| Nicholson, John Robert              | Newcastle, N. B.          |
| Nicholson, Malcolm John             | Valleyfield, P. E. I.     |
| O'Brien, Alice Isabelle             | Noel, Hants Co.           |
| Osley, Charlotte Fern               | Halifax.                  |

|                               |                                   |
|-------------------------------|-----------------------------------|
| Pacey, Frederick Charles Wil- | Halifax.                          |
| ham                           | Halifax.                          |
| Parker, Edith Helen           | Georgetown, P. E. I.              |
| Peppard, Stanley Harcourt     | Pugwash, Camb. Co.                |
| Power, James Hennigar         | Halifax.                          |
| Priest, Lois Elizabeth        | Pictou.                           |
| Pugsley, Margaret Louise      | River Hebert, Camb. Co.           |
| Ramey, George Russell         | Halifax.                          |
| Reznick, Rebecca              | Halifax.                          |
| Reynolds, Winifred            | Halifax.                          |
| Rhade, Truman Forbes          | Halifax.                          |
| Rogers, William Marshall      | Halifax.                          |
| Ross, Alexander Daniel        | West Branch, River John, Pic. Co. |
| Rudolf, Laura Mary            | Lunenburg.                        |
| Rundle, Bessie Marion         | Halifax.                          |
| Russell, Frances Henderson    | Lower Newcastle, N. B.            |
| Sandford, Louise Winifred     | Halifax.                          |
| Saunders, James Erling        | Westville, Pic. Co.               |
| Scriven, Helen Josephine      | Halifax.                          |
| Shaw, Isabel Murray           | Halifax.                          |
| Shiers, Minnie McLeod         | Halifax.                          |
| Sinclair, Donald Maclean      | Hopewell, Pic. Co.                |
| Slayter, Kathryn Lispenard    | Halifax.                          |
| Smith, Laura Elizabeth        | Merigomish, Pic. Co.              |
| Smith, Margaret Lois          | Truro, Col. Co.                   |
| Spindle, William Mackie       | Bridgetown, P. E. I.              |
| Stewart, Cecil Arnold         | Blacksfords, Jamaica, B. W. I.    |
| Thompson, Mona                | Bedgewater, Lun. Co.              |
| Thompson, Willard Owen        | Halifax.                          |
| Tingley, Russell              | Westville, Pic. Co.               |
| Tolson, Olley Haystead        | Bedford, Hfx. Co.                 |
| Trenaine, Charles Wylton      | Strachan                          |
| Strachan                      | Rockingham, Hfx. Co.              |
| Trenain, Frederick Hudson     | Halifax.                          |
| Dunsmuir                      | Halifax.                          |
| Turner, Bessie Agnes          | Preston Road, Hfx. Co.            |
| Tyler, Ada Victoria           | Halifax.                          |
| Vassallo, Francis Louis       | Sydney, C. B. Co.                 |
| Wambolt, Victoria Altep       | Halifax.                          |
| Ward, Richard Payzant         | Halifax.                          |
| Warner, Donald Franklin       | Halifax.                          |
| Waugh, Mary Berchmans         | Halifax.                          |
| White, Hazel Marguerite       | Amherst, Camb. Co.                |
| White, Janet Mabel            | Middle Musquodoboit, Hfx. Co.     |
| Wickweire, Alice Lunston      | Kentville, King's Co.             |
| Wickweire, Eleanor Brown      | Kentville, King's Co.             |
| Wilson, Constance Christie    | Derby, N. B.                      |
| Withrow, James Harold         | Centre Rawdon, Hants Co.          |
| Wright, Margaret Wells        | New Glasgow, Pic. Co.             |
| Zinck, Sydney Mervin          | East Chester, Lun. Co.            |

## Mount St. Vincent Academy Students.

|                       |                            |
|-----------------------|----------------------------|
| Sister Marie Raphael  | Mount St. Vincent Academy. |
| Sister Rose Catherine | Mount St. Vincent Academy. |
| Sister Teresa Maria   | Mount St. Vincent Academy. |

## Registered for Examinations Only.

|                              |                                  |
|------------------------------|----------------------------------|
| Blackler, Chesley Frederick  | St. John's, Newfoundland.        |
| Grant, Daniel Murdoch        | South Side Boulevard, C. B. Co.  |
| Hall, Edmund Britton         | Bridgetown, Ann. Co.             |
| Longley, Ronald Stewart      | Paradise, Ann. Co.               |
| MacQuarrie, Josiah           | Westville, Pic. Co.              |
| Madden, Warren               | Sydney, C. B. Co.                |
| Mahabir, Kenneth Gram, B. A. |                                  |
| B. Sc., M. D., C. M.         | San Fernando, Trinidad, B. W. I. |
| Mooney, Reuel Bardeet        | Stellarton, Pic. Co.             |
| Sister Mary Berchmans, B. A. | Mount St. Vincent Academy.       |
| Walls, Chester Charles       | Blackville, N. B.                |

## FACULTY OF LAW.

## Third Year.

|                               |                             |
|-------------------------------|-----------------------------|
| Hebert, Joseph Thaddeus, M.A. |                             |
| (U. N. B.)                    | Dorchester, N. B.           |
| McCleave, Robert David, B. A. | Stewiacke, Col. Co.         |
| McInnes, Caroline Isabel      | Halifax.                    |
| MacKenzie, Emelys Laura,      |                             |
| M. A.                         | Nyanza, Vic. Co.            |
| Rutledge, James Edward, B. A. | Halifax.                    |
| Walker, John Archibald, M. A. |                             |
| (C. U. A.)                    | West Lake Ainslie, Inv. Co. |
| White, Donald Vaughan, B. A.  |                             |
| (Mt. A.)                      | Sussex, N. B.               |

## Second Year.

|                           |                      |
|---------------------------|----------------------|
| MacDonald, Vincent Chris- |                      |
| topher                    | Halifax.             |
| Pottier, Vincent Joseph   | Bellefleur, Yar. Co. |
| Rogers, Norman MacLeod    | Amherst, Camb. Co.   |

## First Year.

|                                |                       |
|--------------------------------|-----------------------|
| Frame, Hugh Campbell, B. A.    | Halifax.              |
| Hayden, William Thomas         | Glace Bay, C. B. Co.  |
| McDougall, Marjorie Claudine,  |                       |
| B. A.                          | Kentville, King's Co. |
| Rogers, Arthur Wyckoff, B. A.  |                       |
| (Acad.)                        | Amherst, Camb. Co.    |
| Rogers, William Marshall       | Halifax.              |
| Soucy, Emile, B. A. (St. Jos.) | St. Basile, N. B.     |
| Wallace, Joseph Sylvester      | Halifax.              |

## Special Students.

|                                       |       |                          |
|---------------------------------------|-------|--------------------------|
| Chiasso, Delphin                      | ..... | New Waterford, C. B. Co. |
| Godfrey, John Wilfrid                 | ..... | Marshfield, P. E. I.     |
| Langwith, Christopher Myers           | ..... | Sydney Mines, C. B. Co.  |
| McDonald, James Hugh                  | ..... | St. Peter's, Rich. Co.   |
| Nicholson, James Hume Turnbull, LL.B. | ..... | Sydney Mines, C. B. Co.  |
| Ramey, George Russell                 | ..... | Halifax.                 |

## Registered for Examination Only.

|                           |       |                       |
|---------------------------|-------|-----------------------|
| Jeffers, Joseph D'Aubigne | ..... | Parishboro, Camb. Co. |
|---------------------------|-------|-----------------------|

## FACULTY OF MEDICINE.

## Fifth Year.

|  |       |                            |
|--|-------|----------------------------|
| Bain, Charles Grant                      | ..... | Bridgewater, Lun. Co.      |
| Baird, Kenneth Allison, M. A. (U. N. B.) | ..... | Fredericton, N. B.         |
| Burke, John                              | ..... | Carleton, Nfld.            |
| Hawkins, Rupert Clarence                 | ..... | Halifax.                   |
| Giles, B. A.                             | ..... | Halifax.                   |
| Kirwan, Philip Aloysius                  | ..... | Wallace, Camb. Co.         |
| MacLeod, Frank Thomas, B. A.             | ..... | Westville, Pic. Co.        |
| MacLeod, Murdoch Gordon                  | ..... | New Haven, Vic. Co.        |
| Murray, Judith Seth                      | ..... | Margaree Harbour, Inv. Co. |
| Murray, Florence Jessie                  | ..... | O'Leary, P. E. I.          |
| O'Brien, Willard Cleveland               | ..... | Noel, Hants Co.            |
| Pothier, Hector Joseph                   | ..... | Eel Brook, Yar. Co.        |

## Fourth Year.

|                                       |       |                         |
|---------------------------------------|-------|-------------------------|
| Anderson, Annie Almira                | ..... | Maple Creek, Sask.      |
| Baxendale, Paul                       | ..... | Sydney Mines, C. B. Co. |
| Bayne, Charles Macdonald              | ..... | Halifax.                |
| Daley, William Edmund                 | ..... | Halifax.                |
| Dunkin, Charles Alpin, B. A. (Mt. A.) | ..... | Amherst, Camb. Co.      |
| Hopgood, Ella Pearl                   | ..... | Malpeque, P. E. I.      |
| Imvey, Samuel                         | ..... | Cupsid, Nfld.           |
| Keshen, Saul Harold                   | ..... | Halifax.                |
| Kirwan, Patrick Mockler               | ..... | Wallace, Camb. Co.      |
| Malcolm, Frank Frederick Phillips     | ..... | Halifax.                |
| Marsters, Charles Galitzan            | ..... | Halifax.                |
| Reid, Alexander Robert                | ..... | Windsoor, Hants Co.     |

## Third Year.

|                           |       |                      |
|---------------------------|-------|----------------------|
| Acker, Thomas Burns       | ..... | Halifax.             |
| Archibald, Bruce Corbett  | ..... | Glace Bay, C. B. Co. |
| Bagnall, Percy Ormiston   | ..... | Louisburg, C. B. Co. |
| Campbell, Alexander Brown | ..... | Inverness.           |

|                                       |       |                             |
|---------------------------------------|-------|-----------------------------|
| Coomer, Reginald Frederick Clough     | ..... | Sarlatan, Jamaica, B. W. I. |
| Coulter, William Rusby                | ..... | Wallace Station, Camb. Co.  |
| Dickson, Henry Spencer                | ..... | Louisburg, C. B. Co.        |
| Elliot, Henry Charles Schomburg       | ..... | Halifax.                    |
| Fitzpatrick, William Patrick Serpiche | ..... | Auburnville, N. B.          |
| Green, Arthur Solomon                 | ..... | Caledonia Mines, C. B. Co.  |
| Hoare, Daniel Williams                | ..... | Truro, Col. Co.             |
| LeBlanc, Leo John                     | ..... | Margaree Forks, Inv. Co.    |
| McKiggan, John                        | ..... | McNab's Cove, Rich. Co.     |
| Morrison, George Wendell              | ..... | Hastings, Barbados.         |
| Patterson, Mabel Gladys               | ..... | Dartmouth.                  |
| Resnick, Mildred                      | ..... | Halifax.                    |
| Ross, Hugh Raymond                    | ..... | Sydney, C. B. Co.           |
| Walsh, Francis Eugene                 | ..... | Halifax.                    |

## Second Year.

|                                |       |                                |
|--------------------------------|-------|--------------------------------|
| Belliveau, Pierre Elisee       | ..... | Belliveau's Cove, Yar. Co.     |
| Bennison, Corey Seldon         | ..... | Barns Corner, Lun. Co.         |
| Boyden, Raymond Wilfred        | ..... | Ottawa, Ont.                   |
| Campbell, Duncan Alexander     | ..... | Halifax.                       |
| Chase, Margaret Rebecca        | ..... | Greenwich, King's Co.          |
| Chase, William Henry           | ..... | Waldville, King's Co.          |
| Crage, Frank Teresa Mary       | ..... | Halifax.                       |
| Craighton, Anna St. Clair      | ..... | Halifax.                       |
| Gillis, Raymond Ignatius       | ..... | Sydney Mines, C. B. Co.        |
| Gosse, Norman Howard           | ..... | Spaniard's Bay, Nfld.          |
| Grantville, Edward Thomas      | ..... | North Sydney, C. B. Co.        |
| Haslam, Maurice Brent          | ..... | Deery, New Hampshire, U. S. A. |
| MacDonald, Eric Wallace        | ..... | Sydney, C. B. Co.              |
| MacIntosh, John Wilfrid        | ..... | Pleasant Bay, Inv. Co.         |
| MacLean, Alexander Charles     | ..... | Loverspass.                    |
| MacLean, Angus Loyal           | ..... | Denmark, Col. Co.              |
| MacLean, John Osler            | ..... | Denmark, Col. Co.              |
| MacLeod, Christine Catherine   | ..... | Point Tupper, Rich. Co.        |
| MacLeod, Hugh Gordon, B. A.    | ..... | Green Hill, Pic. Co.           |
| McNally, William James         | ..... | Ottawa, Ont.                   |
| Madden, Harry Dennis, Phis. B. | ..... | Amherst, Camb. Co.             |
| Marshall, Arthur Middlemas     | ..... | Halifax.                       |
| Padgeon, Ira Sanborn           | ..... | St. John, N. B.                |
| Pelliss, William Annesley      | ..... | Chatham, Nfld.                 |
| Smith, Charles Gordon          | ..... | North Sydney, C. B. Co.        |
| Smith, Gordon Kent             | ..... | Windsor, Hants Co.             |
| Stone, Oscar Robert            | ..... | Halifax.                       |
| Thurrott, Elizabeth Hope       | ..... | Newcastle Bridge, N. B.        |

## First Year.

|                         |       |                  |
|-------------------------|-------|------------------|
| Acker, John Christopher | ..... | Halifax.         |
| Adams, Claude           | ..... | Brooklyns, N. Y. |
| Anglin, Ives Maurice    | ..... | St. John, N. B.  |

|                                |   |
|--------------------------------|---|
| Arsenault, Ludger              | ..... Alder Point, Little Bras d'Or, Vic. Co. |
| Chesley, Arthur Sharp          | ..... St. John, N. B.                         |
| Christianson, Phebe Kirsten    | ..... Sydney Mines, C. B. Co.                 |
| Cochrane, Dora Mason           | ..... Fox River, Cumb. Co.                    |
| Cochrane, Perry Stanley        | ..... Fox River, Cumb. Co.                    |
| Colquhoun, Walter Alexander    | ..... Sydney, C. B. Co.                       |
| Corbett, Herbert Redmond       | ..... Halifax.                                |
| Corbin, Harold Hunter          | ..... Halifax.                                |
| Coster, Frederick Edwin        | ..... Hampton Station, N. B.                  |
| Coyne, Frederick Joseph        | ..... Portage du Fort, Quebec.                |
| Dolan, Harold Sylvester        | ..... South Nelson, N. B.                     |
| Forbes, James Francis Eric     | ..... Liverpool.                              |
| Fraser, Alexander David, B. A. | ..... Pictou.                                 |
| Harquail, Raymond James, B.A.  | ..... (St. Ann's)                             |
| Holland, Clyde Wallace, B. A.  | ..... Halifax, N. B.                          |
| Irwin, Prescott St. Clair      | ..... Shelburne.                              |
| Jamieson, Howard Maxwell       | ..... St. John, N. B.                         |
| Keating, Walter Joseph         | ..... Halifax.                                |
| Kinsley, Cecil Edwin           | ..... Lunenburg, N. S.                        |
| Lavers, Mildred Peters         | ..... New Ross, Lun. Co.                      |
| Lawlor, Russell Bruce          | ..... North Sydney, C. B. Co.                 |
| Layton, Francis Newcomb        | ..... New Glasgow, Pic. Co.                   |
| Levine, Maurice                | ..... Yarmouth.                               |
| Lewis, Philip J.               | ..... Holyrood, Conception Bay, Nfld.         |
| Lyons, Hubert Arthur           | ..... Kentville, King's Co.                   |
| MacDonald, Carl James          | ..... Seaside, P. E. I.                       |
| MacLean, Sybil                 | ..... Denmark, Col. Co.                       |
| MacLeod, Clement               | ..... Halifax.                                |
| McLeod, Hugh Lithgow           | ..... Sydney, C. B. Co.                       |
| Medjuck, Abraham               | ..... Caledonia Mines, C. B. Co.              |
| Moore, John William Anthony    | ..... Halifax.                                |
| Murray, Foster Sproull         | ..... O'Leary, P. E. I.                       |
| Nyc, Iris Florence             | ..... Halifax.                                |
| Rowlings, David MacPherson     | ..... Masquesodiot Harbour, Hfx. Co.          |
| Smith, James Austen            | ..... Alcorn, N. B.                           |
| Surette, John Edgar            | ..... Moncton, N. B.                          |
| Thompson, Willard Owen         | ..... Halifax.                                |
| Thomson, Clyde Ansley          | ..... Dartmouth.                              |
| Thorne, Alice Evelyn           | ..... Lower Granville, Ann. Co.               |
| Wilson, Frank Gordon           | ..... Sydney, C. B. Co.                       |

**Special Students.**

|                          |                     |
|--------------------------|---------------------|
| Colwell, Berta Davidson  | ..... Halifax.      |
| Gilmour, Charles Hawkins | ..... Toronto, Ont. |
| Watterson, Thomas Albert | ..... Halifax.      |

**Registered for Examinations Only.**

|                                  |                               |
|----------------------------------|-------------------------------|
| Wills, Samuel Isacher Theophilus | ..... Buxton, British Guiana. |
|----------------------------------|-------------------------------|

**FACULTY OF DENTISTRY.****Fourth Year.**

|                                |                          |
|--------------------------------|--------------------------|
| Connors, Michael Clarence      | ..... Bayfield, Ant. Co. |
| Dimock, Karl Keith             | ..... Windsor, Hants Co. |
| Gillespie, William Lester      | ..... Moncton, N. B.     |
| Mackenzie, Arrabelle Catherine | .....                    |
| Macdonald                      | ..... Nyanza, Vic. Co.   |
| Thomas, Frank Crocker          | ..... St. John, N. B.    |

**Third Year.**

|                        |                                 |
|------------------------|---------------------------------|
| Coysh, Basil Radcliffe | ..... Saltwood, Hythe, England. |
| Crowe, Victor Denmore  | ..... Stewiacke, Col. Co.       |
| Milne, James Andrew    | ..... New Glasgow, Pic. Co.     |

**Second Year.**

|                         |                              |
|-------------------------|------------------------------|
| Fisigan, Malcolm Daley  | ..... Freeport, Digby Co.    |
| MacIntosh, George Peter | ..... Loch Katrine, Ant. Co. |
| Reed, Donald Muir       | ..... Middleton, Ann. Co.    |

**First Year.**

|                              |                                 |
|------------------------------|---------------------------------|
| Ashkins, Albert Edward       | ..... Weymouth, Digby Co.       |
| Cumero, Lister Hugh          | ..... Antigonish.               |
| Embree, Hiram Alexander      | ..... Port Hawkesbury, Inv. Co. |
| Fluck, Walter Leon           | ..... Halifax.                  |
| Green, George                | ..... Emerald, P. E. I.         |
| Gunn, William Kollo Rogrvald | ..... Westville, Pic. Co.       |
| James, Frederick Alexander   | ..... St. John's Nfld.          |
| Keith, William Fraser        | ..... Halifax.                  |
| McDonald, Alexander Joseph   | ..... Fraser's Mills, Ant. Co.  |
| MacDonald, Howard Weldon     | ..... Sydney Mines, C. B. Co.   |
| McNally, Simon William       | .....                           |
| James                        | ..... Barachois, Quebec.        |
| Merrick, John Rankin         | ..... Halifax.                  |
| Peppard, Stanley Harcourt    | ..... Port Howe, Cumb. Co.      |
| Parry, Clarence Frederick    | .....                           |
| Montgomery                   | ..... Moncton, N. B.            |
| Ross, Ian Donald Sylvester   | ..... Halifax.                  |
| Young, William Henry         | ..... Freeport, Digby Co.       |

**Registered for Examinations Only.**

|                        |                               |
|------------------------|-------------------------------|
| Croft, Lloyd Henry     | ..... Chester Basin, Lun. Co. |
| Grossen, Zola Ivanhoe  | ..... Halifax.                |
| Lent, Frederick Eugene | ..... Freeport, Digby Co.     |