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# ADVANCE SHEETS

## FROM THE CALENDAR

# DALHOUSIE UNIVERSITY.

## UNIVERSITY ALMANAC, 1915-16.

1915.

- Aug. 25. W.—Last day for receiving applications\* for Supplementary examinations (Med. and Dent. Fac.) also for Autumn Preliminary and Final examinations (Prov. Med. and Dent. Bds.).
- Sept. 8. W.—Session Begins (Med. and Dent. Fac.); Supplementary examinations begin (Med. and Dent. Fac.); Preliminary and Final examinations (Prov. Med. and Dent. Bds.) begin at Dalhousie University.  
 9 a. m., History and Geography; Therap. and Hygiene.  
 2 p. m., English, Obstet. and Dis. of Women and Children.  
 9 a. m., Latin; Medicine.  
 9 p. m., French; German; Geogr.; Surgery.
9. Th.—Last day for receiving Applications\* for Supplementary and Special Examinations (Arts and Sc. Fac.).
10. F.—9 a. m., Arithmetic and Algebra; Clinical Surgery.  
 11 a. m., Geometry.
11. Sa.—9 a. m., Clinical Medicine.
12. M.—2 p. m., Final Oral Examinations. Results of Preliminary Examinations declared and Certificates issued (Prov. Med. Bd.).
14. Tu.—9 a. m., Regular Registration Day † and Payment of Class Fees, and results of Supplementary Examinations declared (Med. and Dent. Fac.).  
 2 p. m., Results of Preliminary Examination declared and Certificates issued (Prov. Dent. Bd.).
15. W.—9 a. m., Lectures Begin (Med. Fac., and all but 4th year Dent. Fac.).
16. Th.—10 a. m., Results of L. M. S. Examinations (P. M. Bd.) declared.
19. M.—Last Day for Registration (Med. Fac., and all but 4th year Dent. Fac.).
21. Tu.—Last day for Receiving Applications\* for Autumn Supplementary Examinations (Law Fac.), And for Matriculation and Scholarship Examinations (Arts and Sc. Fac.).
22. W.—Supplementary and Special Examinations begin (Arts and Sc. Fac.).  
 Matriculation and Scholarship Examinations begin (Arts and Sc. Fac.)—  
 9 a. m., Latin.  
 9 p. m., Greek.
23. Th.—9 a. m., French; German (if any candidate is taking both, the German will be at 11 a. m.).  
 2 p. m., History and Geography.
24. F.—9 a. m., English.  
 2 p. m., Geometry and Trigonometry.
25. S.—9 a. m., Arithmetic and Algebra.  
 Registration†† and Payment of Fees Begin (Arts and Sc. Fac.).
27. M.—2 p. m., Meeting of Faculty of Arts and Science.
28. Tu.—9 a. m., Lectures Begin (Arts and Sc. Fac.).  
 10 a. m., Session Begins. Registration†† and Payment of Class Fees. (Law Fac.).  
 2 p. m., Supplementary Examinations begin (Law Fac.)
29. W.—9 a. m., Lectures Begin (Law Fac.).  
 Session begins for 4th year (Dent. Fac.).  
 Last Day for Registration (Arts and Sc. Fac.).
30. Th.—Last day for Registration for 4th year (Dent. Fac.).
- Oct. 1. F.—Last day for Registration (Law Fac.).
5. W.—Intimation as to Elective Subjects to be made on or before this day (Arts and Sc. Fac.).
12. F.—Returns as to residence and church attendance to be made on or before this day.  
 M.—Thanksgiving Day. No Lectures.  
 Tu.—Munro Day. No Lectures.

\*Fee must accompany Application for Examination.

†For time table see Notice Board.

††Extra fee for late Registration.

DALHOUSIE UNIVERSITY  
LIBRARY  
HARLOW, N.S.

- Dec. 13 W.—Last day for receiving Applications\* for Special Examinations (Arts and Sc. Fac.).  
Last day of Lectures (Arts and Sc. Fac. and 1st and 2nd year Med. Fac.).
- 16 Th.—9 a. m., Christmas examinations begin.
- 21 Tu.—Last day of Lectures (Law, Med. and Dent. Fac.).
- 22 W.—9 a. m., Christmas vacation begins.

## 1916.

- Jan. 4 Tu.—9 a. m., Lectures resumed. Special examinations\* begin.
- Mar. 1 W.—Last day for receiving those for Master's Degree.
- 8 W.—Asth Wednesday. No Lectures.
- April 12 W.—Last day for receiving applications for Spring Preliminary and Final Examinations (Prov. Med. and Dent. Bds.).
- 13 Th.—Last day for receiving applications\* for Spring Supplementary Examination (Law Fac.).
- 15 S.—Last day of Lectures (Arts and Sc., and Dent. Fac.), and last day of lectures and for payment of examination fees (1st and 2nd years Med. Fac.).
- 17 M.—Spring Examinations\* begin (Arts and Sc., and Dent. Fac.). 1st and 2nd Professional Examinations\* begin (Med. Fac.). Spring Professional Examinations begin (Prov. Dent. Bd.).
- 18 Tu.—Last day of Lectures (Law Fac.).
- 20 Th.—Sessional and Supplementary Examinations\* begin (Law Fac.).
- 22 S.—Last day of Lectures, and for payment of examination fees for 3rd, 4th, and 5th years (Med. Fac.).
- 26 W.—3rd, 4th and Final M. D., C. M., Professional Examinations, also Spring Preliminary and Final L. M. S. Examinations (Prov. Med. Bd.), begin—
- 9 a. m., Pathology, Hygiene, Therapeutics and Hygiene.
- 3 p. m., Obstetrics I, 2 and Final.
- 27 Th.—9 a. m., Medicine I, 2 and Final.
- 3 p. m., Surgery I, 2 and Final.
- 28 F.—9 a. m., Clin. Surgery, Physics & Med. Jurispr.
- 29 S.—9 a. m., Clinical Medicine; Materia Medica.
- May 1 M.—9 a. m., Meeting of Faculty of Arts and Science.
- 2 p. m., Final Oral Examinations, and Orals in Pathology and Materia Medica (Med. Fac.).
- 4 p. m., Meeting of Faculty of Law.
- 5 p. m., Meeting of Faculty of Dentistry.
- 2 Tu.—9 a. m., Meeting of Senate.
- 4 p. m., Meeting of Faculty of Medicine.
- 3 W.—9 a. m., Meeting of Senate.
- 11 a. m., Results of all examinations declared.
- 4 Th.—3 p. m., Convocation.

## Degrees and Courses.

The Senate confers the degrees 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 for the diploma of Licentiate of Music is also prescribed.

The degree of Doctor of Laws may be conferred *honoris causa laudum* 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 Nova Scotia 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 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 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 Laws of this University from the Preliminary Examination leading to the LL. B. 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.

#### ADMISSION.

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

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

#### Classification.

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 of study 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. 8.

**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 two 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 five Matriculation subjects to his credit and has made at least 25% in the remaining subject. 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 which will be accepted as equivalents.

The Matriculation examinations will be held at the University, and at such other places as the Senate may appoint, on September 22nd to 25th, 1915. For the time-table of the examinations see the University Almanac (pp. 1 and 2.)

Candidates for the Matriculation examinations must make application, either by letter or in person, specifying the subject or subjects in which they wish to appear for examination.

The last day for receiving applications for the examinations held at the University for the session of 1915-6 is Tuesday, September 21st, 1915. Applications for examination at an outside centre should be made one month earlier.

The Matriculation Examinations held by the University for candidates desiring to go forward to a degree in Arts, Science, Music, Pharmacy, Law, Medicine or Dentistry are on the following six subjects, one paper in each:

1. English.
2. History and Geography.
3. Arithmetic and Algebra.
4. Geometry and Trigonometry.

5 and 6. Two foreign languages determined for the several degrees as in the following table:—

|   | For Degree in Arts, Pharmacy,<br>Law, Medicine and Dentistry. | For Degree in<br>Science and Music. |
|---|---|-------------------------------------|
| 5 | Latin   | French.                             |
| 6 | Greek or French or German.                                    | German.                             |

#### 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 subjects to be selected from:—Macaulay; Warren Hastings; Shakespeare; Merchant of Venice; Longfellow; *Evangelist*. Scott; *The Lady of the Lake*.

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 one of the works named need be read. It should be read primarily for the story, and need not be studied minutely, as a choice is allowed among at least four themes selected from the works named.

**History and Geography.**—Outlines of English and Canadian History, and General Geography.

**Arithmetic and Algebra.**—*Arithmetic:* General Algebra; as in Hall and Knight's *Elementary Algebra*, or Todhunter and Loney's *Algebra for Beginners*, or Wentworth's *Algebra*.

**Geometry and Trigonometry.**—*Geometry:* Euclid, Books I, II, III, IV. *Trigonometry:* to end of the solution of right-angled triangles, as in Murray's *Practical Mathematics*, or an equivalent.

**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; *Gallie War*, Book I; and Vergil; *Aeneid*, Book I.

**Greek.**—The paper will contain (1) passages for translation from a prescribed book with questions arising out of that book; (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 Greek.

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

**French.**—*Essays:* *Le Chien du Capitaine*; *Parret*; *The Matriculation French Reader* (W. B. Clive), prose selections only; 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.**—*Books:* *Modern German Reader, Part I*; Von Hillern; *Hoher als die Kirche*. Grammar questions limited to accidence and easy rules of syntax; easy sight translation from German into English and from English into German.

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

Candidates who pass in three 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 subjects which were included in the examination by which such diploma, license or certificate was obtained, and in which a sufficiently high standard was reached, provided this standard was reached in three or more of the subjects required for Matriculation.

- (a) Certificates of Matriculation into recognized Universities;
- (b) High School Certificates of Grades XI or XII of Nova Scotia;
- (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 License 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;



- (A) Certificates similar to the above issued by University or other official examining bodies, when found adequate.

If a candidate gets credit for at least three of the six 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 with their application.

#### Special Matriculation Regulations for each Faculty.

**Faculty of Arts and Science and Faculty of Law.**—A certificate of grade XI standard issued by the Education Department of Nova Scotia in 1910 or subsequent year is treated as follows: Marks obtained in subjects other than those required for Matriculation are not considered. The average of the marks obtained in Geometry and Practical Mathematics is taken as the mark in subject (4) above. The mark in English is not considered unless it is at least 60 per cent.; nor that in any other subject unless it is at least 50 per cent. Subject to these restrictions the certificate will be accepted for the Matriculation subjects which it covers in which the average of the marks obtained is at least 60 per cent., provided this average is reached in at least three subjects.

For the present the mark required in certificates issued prior to 1910 is at least 50 per cent. in each Matriculation subject.

A mark of 40 per cent. in a Matriculation subject made in an examination for a certificate of grade XII standard taken subsequent to 1907 will exempt from Matriculation in that subject. When one of the six subjects specified above as required for Matriculation is divided in the 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 passed Matriculation in English and in at least two other subjects.

In order to be admitted to the course in Law, a candidate 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.

**Faculty of Medicine.**—No person can enter upon a course in Medicine in Nova Scotia unless he has passed the Preliminary Examination of the Provincial Medical Board, or such equivalent as they will accept, and has had his name entered in the Medical Students' Register kept by the Board. For copies of the Annual Announcement of the Board, and for all other information with regard to its requirements, intending students should apply early to the Registrar of the Board, Dr. A. W. H. Lindsay, 319 Pleasant St., Halifax.

The Faculty of Medicine accepts as the necessary and sufficient requirement for admission to the medical course a certificate from the Registrar of the Board showing in full detail that the candidate has satisfied the Preliminary requirements of the Board.

The Preliminary Examination requirements of the Board are practically the same as the Matriculation in Arts of the University, except that they do not include Trigonometry, and in Algebra and Geometry are slightly less. In order to begin the study of Medicine the candidate must pass in at least five of the six subjects and make at least 25 per cent. on the remaining one.

The Matriculation in Arts of the University is accepted by the Board in lieu of its own examinations; but candidates are warned that the University Matriculation examinations in September, 1915, are not held until after the opening of the session of the Faculty of Medicine for 1915-16 and cannot be taken by those intending to enter upon the study of Medicine at that session. Such candidates can take the Board examinations held during September 8th to 10th.

**Faculty of Dentistry.**—Instead of subject (6) above, French, German or Greek, a candidate may offer the Physics and Chemistry of a grade XI certificate.

A certificate of grade XI 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 obtain exemption from 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. 27. See also the terms of affiliation with Prince of Wales College, p. 7 of the Calendar.

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 of other Universities 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 by them; also a calendar or calendars of the institution from which they have come of such date 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, or has similar qualifications.

A graduate of another University who is a candidate for a higher degree in this University must be admitted *ad eundem gradum* before proceeding to the higher degree.

#### Residence.

All students are required to report their place of residence to the President on or before the day appointed in the University Almanac (October 15th).

All students not residing with relatives or friends are required to reside in approved lodging houses.

Persons who wish to take students as lodgers must furnish the President with satisfactory references. A register is kept at the office containing the names and addresses of those persons who have met this requirement. The University Young Men's Christian Association takes a special interest in finding suitable lodging and boarding accommodation for students, and any one wishing such information should address Students' Secretary, University Y. M. C. A., in care of the University. The Secretary will also meet at the train any student coming to Halifax for the first time, if notified in advance of the time of arrival.

In September, 1912, a Residence for Women, Forrest Hall, was opened under the auspices of the Dalhousie Alumnae Association. For information, address the Warden, Forrest Hall, 187 South Park St., Halifax.

#### 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.

The work of the course can be covered in two or three years, according to the standing of the candidate at entrance.

(A) **Two Year Schedule.**—The Preliminary Engineering Course can be completed in two years by those only who have passed in English 1 and Mathematics 1, or their equivalents; for example, an average mark of 50 per cent in a grade XII examination on the three Mathematical papers and on the two English papers.

These are the only essential requirements in order to begin this course; 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 passed Matriculation in (a) History and Geography, (b) Latin, and (c) French or German (see p. 6); or else he must have passed (a) Matriculation in History and Geography, and (d) French 1 or German 1 (or 50 per cent in the corresponding grade XII examination).

**First Year.**—Mathematics 3, Mechanics 1, Chemistry 1A, Geology 1A, English 2, Drawing 1, Drawing 2, (French 1, if needed).

**Second Year.**—Mathematics 4, Physics 1A, Physics 6, Chemistry 4, Kinematics of Machines, Surveying, Mechanics 2, (French 1 or German 1, if needed).

For details of the work in each of these classes see Courses of Instruction, p. 55 *et seq.* of Calendar.

(B) **Three Year Schedule.**—The Preliminary Engineering Course will require three years for its completion by students who have no higher than ordinary Matriculation or grade XI standing. The following are the only essential requirements in order to begin this course; Matriculation in (a) English, (b) Arithmetic and Algebra, and (c) Geometry and Trigonometry; 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 passed Matriculation in (d) History and Geography, (e) Latin, and (f) French or German (see p. 6); or else he must have passed (d) Matriculation in History and Geography, and (g) French 1 or German 1 (or 50 per cent in the corresponding grade XII examination).

**First Year.**—English 1, Mathematics 1, Drawing 1, Chemistry 1A, Geology 1A, (French 1 or German 1, if needed).

**Second Year.**—English 2, Mathematics 3, Drawing 2, Chemistry 4, Mechanics 1, (French 1, if needed).

**Third Year.**—Mathematics 4, Physics 1, Physics 6, Kinematics of Machines, Surveying, Mechanics 2 (French 1 or German 1, if needed).

# CALENDAR

OF

## DALHOUSIE UNIVERSITY

HALIFAX - NOVA SCOTIA

1915-1916



HALIFAX:

PRINTED FOR THE UNIVERSITY BY Wm. Macdon & Son  
1915.

TIME TABLE.—ARTS AND SCIENCE, 1915-16.

| Hours. | Monday.   | Tuesday.   | Wednesday.  | Thursday.  | Friday.  | Saturday.   |
|--------|---|--|---|--|--|---|
| 8      | Physics 1A,<br>Chem. 1, 1A,<br>and 1B   | Greek 1<br>Count. Hist.<br>Phil. 1<br>Chem. 2, 3, 4<br>Drawing 1                           | French 4<br>Physics 1A,<br>Chem. 1, 1A,<br>and 1B,<br>Phil. 2<br>Chem. 2, 3, 4            | Greek 1<br>French 3<br>Count. Hist.<br>Phil. 2<br>Chem. 2, 3, 4<br>Drawing 1                                       | French 4<br>Physics 1A,<br>Chem. 1, 1A,<br>and 1B                    | Greek 1<br>Geol. 1A Lab.<br>Biology 1<br>Serving        |
| 10     | Elem. Latin<br>with 2<br>History 1<br>Physics 2<br>Geol. 1, 1A<br>Kinematics              | Latin 4<br>Phil. 1<br>Biology 2<br>Drawing 1   | Elem. Latin<br>Latin 2<br>History 1<br>Physics 2<br>Geol. 1, 1A<br>Chemistry              | Latin 4<br>French 3<br>Phil. 1<br>History 2<br>Biology 2<br>Drawing 1  | Elem. Latin<br>Latin 2<br>History 1<br>Geol. 1, 1A<br>Kinematics     | Elem. Latin<br>Phil. 1A Lab.<br>Hist. 1 Lab.<br>Serving |
| 11     | Latin 1<br>History 2<br>Math. 4<br>Physics 1, 1B<br>Biology 2<br>Drawing 1A<br>Drawing 2* | Elem. Greek<br>Greek 2<br>Math. 3<br>Math. 3<br>Math. 3<br>Phys. 1B Lab.<br>Bot. 1 Lab.    | Latin 1<br>History 2<br>Math. 4<br>Physics 1, 1B<br>Biology 2<br>Drawing 1A<br>Drawing 2* | Elem. Greek<br>Greek 2<br>Math. 3<br>Math. 3<br>Math. 3<br>Phys. 1B Lab.<br>Bot. 1 Lab.                            | Latin 1<br>Math. 4<br>Latin 2<br>Drawing 1A<br>Drawing 2*            | Elem. Greek<br>Geol. 1A Lab.<br>Bot. 1 Lab.<br>Serving  |
| 12     | English 2<br>Torts<br>Math. 3<br>Serving  | Greek 4<br>English 3<br>Extra-cur.<br>Math. 3<br>Phys. 1B Lab.<br>Material<br>Geogr. Stat* | English 2<br>Torts<br>Serving   | Greek 4<br>German 2<br>English 1<br>Serving<br>Math. 2<br>Phys. 1B Lab.<br>Bot. 1 Lab.<br>Material<br>Geogr. Stat* | English 2<br>German 2<br>Math. 1<br>Serving                          | Geol. 1A Lab.<br>Serving                                |
| 2      | German 1<br>Phil. 2<br>Elem. Math.<br>Physics 5   | German 2<br>Societies 1<br>Chem. 2, 1 Lab.<br>Bot. 1 Lab.<br>Drawing 1                     | German 1<br>Phil. 2<br>Elem. Math.<br>Physics 5   | German 2<br>Economics 1<br>Chem. 2, 1 Lab.<br>Bot. 1 Lab.<br>Drawing 1   | German 1<br>Elem. Math.<br>Geol. 1 Lab.<br>Drawing 2<br>Drawing 2*   |   |
| 3      | El. German<br>English 5<br>Phil. 2<br>Physics 6<br>Chem. 1A Lab.                          | Economics 2<br>Chem. 2, 1 Lab.<br>Bot. 1 Lab.<br>Drawing 1                                 | El. German<br>English 5<br>Phil. 2<br>Physics 6<br>Chem. 1A Lab.                          | Economics 2<br>Chem. 2, 1 Lab.<br>Bot. 1 Lab.<br>Drawing 1   | El. German<br>Elem. Math.<br>Geol. 1 Lab.<br>Drawing 2<br>Serving 2* |   |
| 4      | Bot. 1A<br>Physics 4<br>Chem. 1A Lab.<br>Geology 2  | Chem. 2, 1 Lab.<br>Bot. 1 Lab.<br>Drawing 1  | Bot. 1A<br>Physics 4<br>Chem. 1A Lab.<br>Geology 2  | Chem. 2, 1 Lab.<br>Bot. 1 Lab.<br>Drawing 1  | Drawing 2<br>Serving*  |   |

The hours for classes not mentioned in this schedule will be arranged to suit those taking them. \*First term only. \*Second term only.

CALENDAR

08

DALHOUSIE UNIVERSITY

HALIFAX - NOVA SCOTIA

1915-1916



HALIFAX:

PRINTED FOR THE UNIVERSITY BY WM. MACGAR & SON,  
1915.

29,174 - Oct. 3/50

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**UNIVERSITY ALMANAC, 1915-16.**

1915.

|             |  |
|-------------|--|
| Aug. 25 W.— | Last day for receiving applications* for Supplementary Examinations (Med. and Dent. Fac.); also for Autumn Preliminary and Final Examinations (Prov. Med. and Dent. Bds.).                   |
| Sept. 8 W.— | Session Begins (Med. and Dent. Fac.); Supplementary Examinations begin (Med. and Dent. Fac.); Preliminary and Final Examinations (Prov. Med. and Dent. Bds.) begin, at Dalhousie University. |
|             | 9 a. m.—History and Geography; Therap. and Hygiene.  |
|             | 3 p. m.—English, Chresty, and Dis. of Women and Children.  |
| 9 Th.—      | 9 a. m.—Latin; Medicine.   |
|             | 3 p. m.—French; German; Greek; Surgery.  |
|             | Last day for receiving Applications* for Supplementary and Special Examinations (Arts and Sc. Fac.).   |
| 9 F.—       | 9 a. m.—Arithmetic and Algebra; Clinical Surgery.  |
|             | 11 a. m.—Geometry.   |
| 11 Sa.—     | 9 a. m.—Clinical Medicine.   |
| 14 M.—      | 2 p. m.—Final Oral Examinations. Results of Preliminary Examinations declared and Certificates issued (Prov. Med. Bd.).  |
| 14 Tu.—     | 9 a. m.—Regular Registration Day (!) and Payment of Class Fees, and results of Supplementary Examinations declared (Med. and Dent. Fac.).  |
|             | 5 p. m.—Results of Preliminary Examination declared and Certificates issued (Prov. Dent. Bd.).   |
| 15 W.—      | 9 a. m.—Lectures Begin (Med. Fac. and all but 4th year Dent. Fac.).  |
| 16 Th.—     | 10 a. m.—Results of L. M. S. Examinations (P. M. Bd.) declared.  |
| 20 M.—      | Last Day for Registration (Med. Fac. and for Matriculation and Scholarship Examinations (Arts and Sc. Fac.).   |
| 21 Tu.—     | Last day for Receiving Applications* for Autumn Supplementary Examinations (Law Fac. and for Matriculation and Scholarship Examinations (Arts and Sc. Fac.).                                 |
| 22 W.—      | Supplementary and Special Examinations begin (Arts and Sc. Fac.).  |
|             | Matriculation and Scholarship Examinations begin (Arts and Sc. Fac.).  |
|             | 9 a. m.—Latin.   |
|             | 3 p. m.—Greek.   |
| 23 Th.—     | 9 a. m.—French; German if any candidate is taking both, the German will be at 11 a. m.).   |
|             | 3 p. m.—History and Geography.   |
| 24 F.—      | 9 a. m.—English.   |
|             | 3 p. m.—Geometry and Trigonometry.   |
| 28 S.—      | 9 a. m.—Arithmetic and Algebra.  |
|             | Registration (!) and Payment of Fees Begin (Arts and Sc. Fac.).  |
| 27 M.—      | 2 p. m.—Meeting of Faculty of Arts and Science.  |
| 28 Tu.—     | 9 a. m.—Lectures Begin (Arts and Sc. Fac.).  |
|             | 10 a. m.—Session Begins, Registration (!) and Payment of Class Fees. (Law Fac.).   |
| 29 W.—      | 9 a. m.—Supplementary Examinations begin (Law Fac.).   |
|             | 9 a. m.—Lectures Begin (Law Fac.).   |
|             | Session begins for 4th year (Dent. Fac.).  |
|             | Last Day for Registration (Arts and Sc. Fac.).   |
| 30 Th.—     | Last day for Registration for 4th year (Dent. Fac.).   |
| Oct. 1 F.—  | Last day for Registration (Law Fac.).  |
|             | Intitulation as an Elective Subject to be made on or before this day (Arts and Sc. Fac.).  |
| 15 F.—      | Returns as to residence and church attendance to be made on or before this day.  |
|             | M.—Thanksgiving Day. No Lectures.  |
|             | Tu.—Munro Day. No lectures.  |

\*Fee must accompany application for Examination

†For time table see Notice Board.

‡Extra fee for late Registration.

- Dec. 15 W.—Last day for receiving Applications\* for Special Examinations (Arts and Sc. Fac.).  
Last day of Lectures (Arts and Sc. Fac., and 1st and 2nd year Med. Fac.).
- 16 Th.—9 a. m., Christmas Examinations begin.
- 17 Tu.—Last day of Lectures (Law, Med. and Dent. Fac.).
- 22 W.—9 a. m., Christmas vacation begins.

## 1916.

- Jan. 4 Th.—9 a. m., Lectures resumed. Special Examinations† begin.
- 5 W.—Last day for receiving papers for Master's Degree.
- 8 W.—Ask Wednesday. No Lectures.
- April 12 W.—Last day for receiving applications for Spring Preliminary and Final Examinations (Prov. Med. and Dent. Bds.).
- 13 Th.—Last day for receiving applications for Spring Supplementary Examinations (Law Fac.).
- 15 S.—Last day of Lectures (Arts and Sc., and Dent. Fac.), and last day of lectures and for payment of examination fees (1st and 2nd years Med. Fac.).
- 17 M.—Spring Examinations† begin (Arts and Sc., and Dent. Fac.).  
1st and 2nd Professional Examinations† begin (Med. Fac.).  
Spring Professional Examinations begin (Prov. Dent. Bd.).
- 18 Tu.—Last day of Lectures (Law Fac.).
- 20 Th.—Seasonal and Supplementary Examinations† begin (Law Fac.).
- 22 S.—Last day of Lectures, and for payment of examination fees for 3rd, 4th, and 5th years (Med. Fac.).
- 26 W.—1st, 4th and Final M. D., C. M., Professional Examinations, also Spring Preliminary and Final L. M. S. Examinations (Prov. Med. Bd.), begin—
- 9 a. m., Pathology, Hygiene, Therapeutics and Hygiene.
- 27 Th.—9 a. m., Obstetrics I, 2 and Final.  
9 p. m., Surgery I, 2 and Final.
- 28 F.—9 a. m., Clin. Surgery, Physics & Mod. Jurisp.
- 29 R.—9 a. m., Clinical Medicine; Materia Medica.
- May 1 M.—9 a. m., Meeting of Faculty of Arts and Science.  
2 p. m., Final Oral Examinations, and Orals in Pathology and Materia Medica (Med. Fac.).  
4 p. m., Meeting of Faculty of Law.  
8 p. m., Meeting of Faculty of Dentistry.
- 2 Th.—9 a. m., Meeting of Senate.  
4 p. m., Meeting of Faculty of Medicine.
- 3 W.—9 a. m., Meeting of Senate.  
11 a. m., Results of all examinations declared.
- 4 Th.—2 p. m., Commencement.

\*For most accompany application for Examinations.  
†For time table see Notice Board.

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Special Lectures by members of the profession will be announced from time to time during the session as may be arranged.

# Dalhousie University.

## 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 13th 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 1829-36 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 Gorham 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 1863. 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 in 1863 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 were at that time unparalleled in Canada.

In 1882 Mr. Alexander McLeod, of Halifax, left the residue of his estate 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, 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 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 1902 the University received a bequest of \$2,000 from the late Professor Charles Macdonald for the library endowment fund. In the same year the Alumni began a movement to erect 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 Pollok on April 29th, 1914.

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. 15th, 1912. The Science Building and the Macdonald Memorial Library will be ready for occupancy in the fall of 1915, and the work of the Faculty of Arts and Science will hereafter be carried on in these buildings.

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 will remove to the Main Building, and the old Halifax Medical School building will be 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 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 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 a room at its disposal, and arranged with some of the members of the scientific staff to give some of the instruction. 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 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 for the diploma of Licentiate of Music is also prescribed.

The degree of Doctor of Laws may be conferred *honoris causa tantum* 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 Nova Scotia 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 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 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 Laws of this University from the Preliminary Examination leading to the LL. B. 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 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.

*President*..... Rev. R. Laing.  
*Director*..... 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.

#### Halifax Ladies' College.

*Principal*..... Mrs. M. Trueman, M. A.

Students who have completed the regular course and received the 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 are being made whereby students from this institution may receive Advanced Standing in work of the first and second years.

#### The Nova Scotia College of Pharmacy.

*Directors*..... The Council of the N. S. Pharmaceutical Society.

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

## Equipment.

### Libraries.

The University possesses a University Library, the Macdonald Memorial Library, open to all registered students, and a Law Library, for the use of the students and instructors in the Faculty of Law.

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; to-day there are 20,000 volumes and 5,000 pamphlets, selected primarily to meet the needs of students in the Faculty of Arts and Science.

The University Library contains the *MacKenzie Collection* of works on Mathematical and Physical Science, which was presented to the College by the relatives of the late Professor J. J. MacKenzie; the *Robert Morrow Collection* of works on Northern Antiquities and Languages, presented by Mrs. Robert Morrow; the *Seth 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 Shakespere; the *Lawson 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. Robins 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 *Class Memorial Collections*, presented by the graduating classes of 1894 and subsequent years.

When the Law Faculty was organized in 1883 it received a number of very generous contributions for

a Library. To-day the Law Library contains more than 8,000 volumes, including all the law reports which a student will find it necessary to consult.

Besides the libraries in the University, students may use, subject to certain conditions, the following libraries: The Science Library (16,000 volumes and 30,000 pamphlets), the Legislative Library (21,000 volumes), the Citizens' Free Library (31,000 volumes), the Library of the Presbyterian Theological College (11,000 volumes), and the Nova Scotia Barristers' Society Library (18,000 volumes). The Cogswell Medical Library in the Medical College is open to students of Medicine.

The University Library is in charge of a library committee appointed by the Senate, and a librarian. The Law Library is in charge of the Dean of the Law Faculty, assisted by a librarian.

### 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:—

**The Chemical Laboratory** contains two lecture rooms accommodating respectively 175 and 60 students, a laboratory for general chemistry provided with lockers for 120 students, and a laboratory for qualitative analytical chemistry for 60 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 seismograph.

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

**The Engineering Laboratory** contains a Professor's study and a lecture room to seat 60 students, and a Drafting room accommodating 50 students.

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

The space in the old Main Building previously occupied by the Arts and Science departments will be utilized for the laboratory, museum and library accommodation of the Medical and Dental Schools.

#### ADMISSION.

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

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

#### Classification.

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 of study 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. 15.

**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 two 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 five Matriculation subjects to his credit and has made at least 25% in the remaining subject. 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 which will be accepted as equivalents.

The Matriculation examinations will be held at the University, and at such other places as the Senate may appoint, on September 22nd to 25th, 1915. For the time-table of the examinations see the University Almanac (p. iii.)

Candidates for the Matriculation examinations must make application, either by letter or in person, specifying the subject or subjects in which they wish to appear for examination.

*The last day for receiving applications for the examinations held at the University for the session of 1915-6 is Tuesday, September 21st, 1915. Applications for examination at an outside centre should be made one month earlier.*

The Matriculation Examinations held by the University for candidates desiring to go forward to a degree in Arts, Science, Music, Pharmacy, Law, Medicine or Dentistry are on the following six subjects, one paper in each:

1. English.
2. History and Geography.
3. Arithmetic and Algebra.

### 4. Geometry and Trigonometry.

5 and 6. Two foreign languages determined for the several degrees as in the following table:—

|   | For Degree in Arts, Pharmacy,<br>Law, Medicine and Dentistry. | For Degree in<br>Science and Music. |
|---|---|-------------------------------------|
| 5 | Latin   | French.                             |
| 6 | Greek or French or German                                     | German.                             |

### 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; Shakespeare; *Merchant of Venice*; Longfellow; *Evangeline*; Scott; *The Lady of the Lake*.

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 one of the works named need be read. It should be read primarily for the story, and need not be studied minutely, as a choice is allowed among at least four themes selected from the works named.

**History and Geography.**—Outlines of English and Canadian History, and General Geography.

**Arithmetic and Algebra.**—*Arithmetic:* General; *Algebra:* as in Hall and Knight's *Elementary Algebra*, or Todhunter and Loney's *Algebra for Beginners*, or Wentworth's *Algebra*.

**Geometry and Trigonometry.**—*Geometry:* Euclid, Books 1, II, III, IV. *Trigonometry:* to end of the solution of right-angled triangles, as in Murray's *Practical Mathematics*, or an equivalent.

**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's *Gallie War*, Book I; and Vergil's *Æneid*, Book I.

**Greek.**—The paper will contain (1) passages for translation from a prescribed book with questions arising out of that book; (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 Greek.

The book prescribed is Xenophon's *Anabasis*, Book I.  
**French.**—*Essays:* *Le Chien de Capitaine*; Perron: *The Matriculation French Reader* (W. B. Clive), prose selections only; 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*; Von Hillern: *Hoher als die Kirche*. Grammar questions limited to accident and easy rules of syntax; easy sight translation from German into English and from English into German.

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

Candidates who pass in three 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 subjects which were included in the examination by which such diploma, license or certificate was obtained, and in which a sufficiently high standard was reached, provided this standard was reached in three or more of the subjects required for Matriculation.

- (a) Certificates of Matriculation into recognized Universities;
- (b) High School Certificates of Grades XI or XII of Nova Scotia;
- (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 License 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 three of the six 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 with their application.

#### Special Matriculation Regulations for each Faculty.

**Faculty of Arts and Science and Faculty of Law.**—A certificate of grade XI standard issued by the Education Department of Nova Scotia in 1910 or subsequent year is treated as follows: Marks obtained in subjects other than those required for Matriculation are not considered. The average of the marks obtained in Geometry and Practical Mathematics is taken as the mark in subject (4) above. The mark in English is not considered unless it is at least 60 per cent.; nor that in any other subject unless it is at least 50 per cent. Subject to these restrictions the certificate will be accepted for the Matriculation subjects which it covers in which the average of the marks obtained is at least 60 per cent., provided this average is reached in at least three subjects.

For the present the mark required in certificates issued prior to 1910 is at least 50 per cent. in each Matriculation subject.

A mark of 40 per cent. in a Matriculation subject made in an examination for a certificate of grade XII standard taken subsequent to 1907 will exempt from Matriculation in that subject. When one of the six subjects specified above as required for Matriculation is divided in the 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 passed Matriculation in English and in at least two other subjects.

In order to be admitted to the course in Law, a candidate 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.

**Faculty of Medicine.**—No person can enter upon a course in Medicine in Nova Scotia unless he has passed the Preliminary Examination of the Provincial Medical Board, or such equivalent as they will accept, and has had his name entered in the Medical Students' Register kept by the Board. For copies of the Annual Announcement of the Board, and for all other information with regard to its requirements, intending students should apply early to the Registrar of the Board, Dr. A. W. H. Lindsay, 319 Pleasant St., Halifax.

The Faculty of Medicine accepts as the necessary and sufficient requirement for admission to the medical course a certificate from the Registrar of the Board showing in full detail that the candidate has satisfied the Preliminary requirements of the Board.

The Preliminary Examination requirements of the Board are practically the same as the Matriculation in Arts of the University, except that they do not include Trigonometry, and in Algebra and Geometry are slightly less. In order to begin the study of Medicine the candidate must pass in at least five of the six subjects and make at least 25 per cent. on the remaining one.

The Matriculation in Arts of the University is accepted by the Board in lieu of its own examinations; but candidates are warned that the University Matriculation examinations in September, 1915, are not held until after the opening of the session of the Faculty of Medicine for 1915-16 and cannot be taken by those intending to enter upon the study of Medicine at that session. Such candidates can take the Board examinations held during September 8th to 10th.

**Faculty of Dentistry.**—Instead of subject (6) above, French, German or Greek, a candidate may offer the Physics and Chemistry of a grade XI certificate.

A certificate of grade XI 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

tions 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 obtain exemption from 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. 27. See also the terms of affiliation with Prince of Wales College, p. 7.

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 of other Universities 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 by them; also a calendar or calendars of the institution from which they have come of such date 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, or has similar qualifications.

A graduate of another University who is a candidate for a higher degree in this University must be admitted *ad eundem gradum* before proceeding to the higher degree.

### UNIVERSITY REGULATIONS.

#### Registration.

All students of the University are required to enter their names in the Register annually, and 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 President on or before October 15th.

All students not residing with relatives or friends are required to reside in approved lodging houses.

Persons who wish to take students as lodgers must furnish the President with satisfactory references. A register is kept at the office containing the names and addresses of those persons who have met this requirement. The University Young Men's Christian Association takes a special interest in finding suitable lodging and boarding accommodation for students, and any one wishing such information should address, Students' Secretary, University Y. M. C. A., in care of the University. The Secretary will also meet at

the train any student coming to Halifax for the first time, if notified in advance of the time of arrival.

In September, 1912, a Residence for Women, Forrest Hall, was opened under the auspices of the Dalhousie Alumnae Association. For information, address the Warden, Forrest Hall, 187 South Park St., Halifax.

#### 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 College. 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 College, 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 10 a. m. till 1 p. m., and 3 to 5 p. m.

Books, other than those on the lists of reserved books, may be taken out by instructors or students and kept for two weeks. They should 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.

No 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 vacation. Students using this privilege are required to make a deposit of two dollars with the Office. This deposit is returned when the books are replaced in the library.

#### 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 white silk.
- M. Sc.—Scarlet silk.
- B. E.—White silk bordered with dark green silk.
- B. Mus.—White silk bordered with lavender 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. 56).

## 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. 18-20.

#### Academic Year.

The Academic Year consists of one session of about thirty two weeks duration. The session of 1915-16 will begin on Saturday, September 25th, 1915, and end on Thursday, May 4th, 1916.

#### 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 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 course for the degree of Bachelor of Arts or of Science extends over four years. Candidates for the degree may either follow the ordinary course or, if they have obtained a sufficiently high standing in the work of the first two years, may then 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 at least one year.

### 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 of the following languages:
  - (a) the classical language not selected as subject (i),
  - (b) French, (c) German.
- (iii) Two classes in English.
- (iv) Physics 1, or Biology 1, or Geology 1.
- (v) One class in each of the following: History, Philosophy, Mathematics, Chemistry.
- (vi) Eight other classes, selected from the following list:

|                      |                    |             |
|----------------------|--------------------|-------------|
| Latin,               | History,           | Physics,    |
| Greek,               | Political Economy, | Chemistry,  |
| Biblical Literature, | Philosophy,        | Mineralogy, |
| French,              | Mathematics,       | Geology,    |
| German,              | Astronomy,         | Biology,    |
| English,             | Mechanics,         | Physiology. |

For details of subjects studied in the above classes see Courses of Instruction, p. 58, *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.

Chemistry 4 is only recognized as a class for a degree in Arts provided the classes of Group C (see Affiliated Courses below) are also taken.

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

Lists of the elective classes chosen by students must be submitted for approval not later than Wednesday, October 6th, 1915.

### Affiliated Courses.

An undergraduate looking forward to the study of Divinity, Law 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 and Crimes.
- Graduates who have passed in the classes of group B may complete a subsequent Law course in this University in two years.
- C. **For Engineering.**—Drawing 1, Drawing 2, Surveying, Kinematics of machines.

Undergraduates who look forward to the study of Engineering may shorten by two years a subsequent Engineering course by including in their Arts course the subjects of groups C in addition to the following:—Mathematics 3 and 4, Mechanics 1, Physics 1A and 6, Chemistry 4, Geology 2, French 1 or German 1.

An undergraduate looking forward to the study of Medicine may offer *either* three or four of the subjects in group D below for the same number of the eight electives required above:—

- D. **For Medicine.**—Anatomy 1, Anatomy 2, Practical Anatomy (first year), Physiology 2.

The attention of Arts Students is called to the fact that these classes begin on Wednesday, Sept. 15th, 1915.

Students registered as undergraduates in Medicine whose course in Arts has included Chemistry 1A, Biology 1, Physics 1B, Anatomy 1, Practical Anatomy, and Physiology 2, may afterwards take a degree in Medicine at this University in four years; and if their Arts course has also included Chemistry 3, Anatomy 2, Physiology 1 and Physiology 3, and they have taken Practical Anatomy (second year) and Practical Materia Medica as additional classes, they may subsequently take the degree 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 45). 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 about the right order of classes for the purpose.*

#### First Year.

1. Latin 1, or Greek 1.
2. The classical language not selected as subject 1, or French 1, or German 1.
3. English 1.
4. Mathematics 1.
5. Chemistry 1 or IA.

#### Second Year.

1. The language selected as subject 1 in the first year.
2. The language selected as subject 2 in the first year.
3. English 2.
4. Philosophy 1.
5. A class in one of the following subjects:—Mathematics, \*Mechanics, Chemistry, a language not already selected as subject 1 or 2.

#### Third and Fourth Years.

1. Latin 3, or Greek 3 (the language selected must have been taken during the first and second years).
2. History 1.
3. Physics 1, or IA, or IB, or Geology 1, or Biology 1.
- 4—10. Eight other classes selected 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.

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

(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 v and vi taken together:

(iv) Mathematics, Mechanics, Physics, Chemistry, Geology, Mineralogy, Astronomy, Biology, Physiology.

(v) Philosophy, History, Political Economy.

(vi) English, French, German, Latin, Greek.

The details of subjects studied in the above classes will be found under Courses of Instruction, p. 58, *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 Wednesday, October 6th, 1915.

#### Affiliated Courses.

An undergraduate looking forward to the study of Engineering may offer the classes of Groups A below instead of three of the electives required from group iv above:

A. **For Engineering.**—Drawing 2, Surveying and Kinematics of machines.

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 work for a degree in Engineering in two years.

An undergraduate looking forward to the study of Medicine may offer *either* three or four of the subjects in group B below for the same number in group iv above:

B. **For Medicine.**—Anatomy 1, Anatomy 2, Practical Anatomy (first year), Physiology 2.

The attention of Science students is called to the fact that these classes begin on Wednesday, Sept. 15th, 1915.

Students registered as undergraduates in Medicine whose course in Science has included Biology 1, Physics 1B, Anatomy 1, Practical Anatomy and Physiology 2, may complete a subsequent course in Medi-

cine in four years; and if their Science course has also included Chemistry 3, Anatomy 2, Physiology 1 and Physiology 3, and they have taken Practical Anatomy (second year) and Practical Materia Medica as additional classes, they may complete a subsequent course in Medicine in three years.

#### Order of Classes.

The classes of the above course may be taken in any order, subject to the regulations regarding Admission to Classes (page 45). 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 one of the *Honour Courses*, should consult the Registrar about the right order of classes for the purpose.

#### First Year.

1. French 1.
2. German 1.
3. English 1.
4. Mathematics 1.
5. Chemistry 1A.
6. Drawing 1, or \*Freehand Drawing.

#### Second Year.

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

#### Third and Fourth Years.

1. A class from Group vi.
- 2—10. Nine classes, selected in accordance with the requirements stated above (p 25).

#### Admission to Advanced Standing.

Students entitled to Matriculant or Undergraduate standing in Arts or Science who present any of the certi-

\*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.

ficates specified below, will be given credit for such classes in the following list, not exceeding five in number, as their certificates warrant:

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

Candidates will be allowed Supplementary examinations in the subject or subjects required to complete five classes, provided their certificates show a mark of at least 30 per cent. in such subject or 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 Diplomas, as issued by the Prince of Wales College, P. E. I.;
- (c) Grammar School License of New Brunswick;
- (d) Diploma of the Associated Grade, as issued by the Education Department of Newfoundland (except in the mathematical subject).

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 47) 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 in the certificates of Grade XII issued by the Education Department of Nova Scotia in 1909 and subsequent years is 50 per cent.

### 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 only be granted 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 Chemistry.

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

Honour courses are provided in the following departments:—(i) Classics, (ii) Latin and English, (iii) Greek and English, (iv) English and English History, (v) History and Economics, (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, namely, Philosophy, Mathematics, Physics, Chemistry, Geology and Geological Chemistry.

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.

#### 1. 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: *Capitini*, *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, XXII. Tacitus: *Annals*, I, II; *Agricola*. Pliny: *Letters*, Bks. I-III.

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

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

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

#### Greek.

A. Aeschylus: *Agamemnon*, *Prometheus Bound*. Sophocles: *Oedipus Colonus*, *Philoctetes*. Aristophanes: *Frogs*, *Knights*. Homer: *Odyssey*, V-VIII. Thucydides, II, III. Plato: *Republic*, I-IV. Demosthenes: *De Corona*. Aristotle: *Poetics*.



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

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

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

## II. Latin and English.

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

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

### Latin.

The Latin subjects prescribed for the Honour course in classics.

### English.

The historical development of the language and literature to the year 1800. Bright: *Anglo-Saxon Reader*. Sievers: *O. E. Grammar* (trans. by Cook.) Pt. II. Morris: *Specimens of Early English*, I. Emerson: *History of the English Language*. Sight reading of Old English.

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

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

**Books recommended:** Sidney, Cook's edition (Glen & Co.). Hooker, Church (Clarendon Press). Bacon: *Advancement*, Wright (Oxon. Press). *Essays*, Wright, G. T. Soles. *History of Literature*: Ten Brink, Salsbery, Brooks (Clarendon Press). "Mermaid," "Temple Divanion," "Belles Lettres," and Arber editions of Elizabethan works.

## III. Greek and English.

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

## IV. English and History.

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

Candidates taking the Honour Course in English and History are required to take English 3, 4, 5, 6 and 7, and History 2, 3 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 and Economics. (See below).

## V. History and Economics.

**Preliminary Classes.**—History 1, and Economics 1.

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 History 2, 3 and 4 and Economics 2 and 3, and any special Honour classes in History and Economics offered, in their third and fourth years, and in addition to the required classes 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.

## History.

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

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

C. **The Crusades.**—Archer and Kingsford: *The Crusades*. Stevenson: *The 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.**—Conrad and its Provinces (selected portions). Houston: *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 Crises*.

B. **Money and Banking.**—Jevons: *Money*. Scott: *Money and Banking*. Nicholson: *Money and Monetary Problems*. Walker: *Money*. Bagehot: *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 Principle 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*.

## VI. Philosophy.

**Preliminary Class.**—Philosophy 1. Prospective candidates are strongly recommended to take two classes in German.

Candidates taking the Honour course in Philosophy are required to take Philosophy 2, 3, 4, 5, 6 and 7 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

## Honour Courses.

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

A. **Logic.**—Welton: *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: *Prolegomena to Ethics*. Rashdall: *Theory of Good and Evil*.

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

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

## VII. Mathematics.

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

Undergraduates taking the Honour course in Mathematics are recommended to take German and Mechanics 1 in their first and second years, and Physics IA in their second year. They are required, if they wish to complete the work for a degree in four years, to take in their third and fourth years four advanced classes in Mathematics, Mechanics 2, and Physics, 2, 3, 4 and 6. The standard of attainment shown in the examinations in Physics 2 and 3 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 4 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, 3 and 4, Mechanics 1 and Physics 1A.

Undergraduates taking the Honour course in Physics are recommended to take German and Mechanics 1 in their first year, and Physics 1A and 6 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 2 or 3, and Chemistry 2; and in their fourth year one advanced class in Mathematics, Physics 3 or 2, and Physics 4, 5, and 8. The standard of attainment shown in the examinations in Physics 2 and 3 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 1A, 2, 3, 4, 5, 6, and 8. Several papers will be set, and no one will cover merely the work of a single class, but each paper 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 1B, Mathematics 1, 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, 3, 4, Physics 1B, Chemistry 1A and Chemistry 2, in the first and second years; and Physics 2, 3, 5 and 8, 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 the preparation of organic compounds, or the analysis of iron and steel, of ores, or of water. The standard of attainment shown in Physics 2 and 3 (Distinction courses), Physics 8, 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: *Inorganic Chemistry*. Ostwald: *Principles of Inorganic Chemistry*. Bigelow: *Theoretical and 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*.

**C. History of Chemistry.**—The development of chemical theory as treated in Chemistry 5 with the prescribed supplementary reading. Candidates are required to have a thorough knowledge of the following memoirs:—Graham: *Researches on the Arseniates, Phosphates, and Modifications of Phosphoric Acid* (Alcemic Club Reprints, No. 10). Liebig and Woehler: *Ueber das Radikal 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 qualitative and quantitative analysis and of the preparation of inorganic and organic substances, as in Chemistry 2, 7 and 8, including Distinction work.

### X. Geology and Geological Chemistry.

**Preliminary Classes.**—Geology 1 or 1A, Physics 1B, 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 have held the corresponding Bachelor's degree for at least one year, and be of good character and standing. (See Admission *ad eundem gradum* p. 18). 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; attendance at the University is not necessary.

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

An essay or thesis may be required of the candidate. When required, it shall be regarded as forming one-eighth of the full course of study, and should occupy one-fourth of the candidate's time for half of 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.

**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.

The work of the course can be covered in two or three years, according to the standing of the candidate at entrance.

(A) **Two Year Schedule.**—The Preliminary Engineering Course can be completed in two years by those only who have passed in English I and Mathematics I, or their equivalents; for example, an average mark of 50 per cent. in a grade XII examination on the three Mathematical papers and on the two English papers.

These are the only essential requirements in order to begin this course; 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 passed Matriculation in (a) History and Geography, (b) Latin, and (c) French or German (see p. 13); or else he must have passed (a) Matriculation in History and Geography, and (d) French I or German I (or 50 per cent. in the corresponding grade XII examination).

**First Year.**—Mathematics 3, Mechanics 1, Chemistry 1A, Geology 1A, English 2, Drawing 1, Drawing 2, (French I, if needed).

**Second Year.**—Mathematics 4, Physics 1A, Physics 6, Chemistry 4, Kinematics of Machines, Surveying, Mechanics 2, (French 1 or German 1, if needed).

For details of the work in each of these classes see Courses of Instruction, p. 58 *et seq.*

(B) **Three Year Schedule.**—The Preliminary Engineering Course will require three years for its completion by students who have no higher than ordinary Matriculation or grade XI standing. The following are the only essential requirements in order to begin this course; Matriculation in (a) English, (b) Arithmetic and Algebra, and (c) Geometry and Trigonometry; 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 passed Matriculation in (d) History and Geography, (e) Latin, and (f) French or German (see p. 13); or else he must have passed (d) Matriculation in History and Geography, and (g) French 1 or German 1 (or 50 per cent. in the corresponding grade XII examination).

**First Year.**—English 1, Mathematics 1, Drawing 1, Chemistry 1A, Geology 1A, (French 1 or German 1, if needed).

**Second Year.**—English 2, Mathematics 3, Drawing 2, Chemistry 4, Mechanics 1, (French 1, if needed).

**Third Year.**—Mathematics 4, Physics 1, Physics 6, Kinematics of Machines, Surveying, Mechanics 2, (French 1 or German 1, if needed).

### 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 so far as connected with 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. 43.)

\*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 the first year are not outlined below, as those passed in an approved institution are usually offered instead. Those of the second and third years must be taken at this University, and shall include one of the following divisions.

## 1. For Pianoforte.

## Second Year.

**Scales**—All major and minor scales in 3rds and 6ths, 8ths and 10ths, in similar and contrary motion, crescendo and diminuendo, legato and staccato, and in double 3rds and octaves.

**Arpeggios**—Major and minor triads, dominant and diminished 7ths in close and extended positions and in solid chord formation.

**Ear-Tests**—Recognition by ear of all intervals, scales, triads, sevenths, chords, suspensions, and anticipations.

**Sight-Reading**—A piece of Grade IV of a course complete in seven grades, or an accompaniment to a song or violin solo. To play an easy figured bass at sight, and to pass a simple test in transposition.

To play from memory the following programme, or some of similar grade accepted by the Examiners.

|                          |                                   |
|--------------------------|-----------------------------------|
| <i>Mendelssohn</i> ..... | Prelude and Fugue in E minor.     |
| <i>Beethoven</i> .....   | Sonata Appassionata.              |
| <i>Chopin</i> .....      | Nocturne in D $\flat$ .           |
| <i>Liszt</i> .....       | Rhapsodie, No. 12.                |
| <i>Debussy</i> .....     | Images, 1st series, Nos. 1, 2, 3. |

## Third Year.

Extemporization upon a given theme. To play from memory one from each group of the following concertos:

## Group I.

|   |
|---|
| <i>Beethoven</i> , E $\flat$ , or G Major   |
| <i>Schumann</i> , A minor, or Concertstück. |
| <i>Chopin</i> , E minor or F minor.         |

## Group II.

|                                       |
|---------------------------------------|
| <i>Rubinstein</i> , D minor.          |
| <i>Grieg</i> , A minor.               |
| <i>Saint-Saens</i> , G minor.         |
| <i>Liszt</i> , E $\flat$ major.       |
| <i>Tchaikovsky</i> , D $\flat$ minor. |

## 11. For Organ.

## Second Year.

To play at sight a figured bass; to extemporize on a given theme; to harmonize a given melody at the organ.

To transpose the accompaniment of a sacred song at sight into any key specified by the Examiners.

To sing any one of the four parts of an oratorio chorus, and answer questions on the general structure of the organ, especially on the pneumatic and electro-pneumatic action; on the combination and contrasting of the various registers; on tuning; on the structure of the pipes; and on the causes of the different qualities of tone.

To play the following programme:

|                             |  |
|-----------------------------|--|
| <i>Bach</i> .....           | Toccatto and Fugue in F, Book 8, Novello.  |
| <i>Krebs</i> .....          | Grosse Fantasia and Fugue.                 |
| <i>Widor</i> .....          | Symphony No. 2, in D.                      |
| <i>Tchaikovsky-Lemare</i> — | Overture, Fantasia (Romeo and Juliette).   |
| <i>Lemare</i> .....         | Concert Fantasia and Fugue.                |
| <i>Regér</i> .....          | Zehn Stücke, Op. 69, Book 1, Nos. 1 and 2. |

## Third Year.

To play the following programme:

|                       |   |
|-----------------------|---|
| <i>Bach</i> .....     | Passacaglia in C minor, Book 10, Novello. |
| <i>Thiele</i> .....   | Theme with variations.                    |
| <i>Reubke</i> .....   | Sonata in C minor.                        |
| <i>Liszt</i> .....    | Fantasy and Fugue on the name of Bach.    |
| <i>Gaillard</i> ..... | Sonata No. 1.                             |

## III. For Violin.

## Second Year.

Scales and broken chords in all keys; compass, three octaves. Scales major and minor in octaves, thirds, and sixths; compass, two octaves.

Broken chords played in octaves, all keys; compass, two octaves.

To play at sight a movement from a Violin and Piano Sonata of Grade IV of a course complete in six grades.

Easy test in transposition and playing from figured bass on the piano; and playing a piece of Grade IV difficulty.

To play from memory the following pieces:

|                              |  |
|------------------------------|--|
| <i>Goddard</i> .....         | Concerto in A minor.                     |
| <i>Paganini</i> .....        | Caprices (any one).                      |
| <i>Sarasate</i> .....        | Zigeuner Weisen.                         |
| <i>Bach</i> .....            | Prelude and Fugue No. 1 for solo violin. |
| <i>Chopin-Wilhelmi</i> ..... | Nocturne, Op. 27, No. 2.                 |

And any sonata by Schumann, Beethoven or Grieg.

## Third Year.

To play from memory the following pieces, or selections of similar grade accepted by the Examiners:

|                          |                             |
|--------------------------|-----------------------------|
| <i>Beethoven</i> .....   | Concerto.                   |
| <i>Mendelssohn</i> ..... | Concerto.                   |
| <i>Saint-Saens</i> ..... | Rondo Capriccioso.          |
| <i>Wieniawski</i> .....  | Scherzo Tarantella.         |
| <i>Bach</i> .....        | Chaconne (for solo violin). |
| <i>Tartini</i> .....     | Le trille du Diable.        |

Any sonata by Schumann, Grieg, Rubinstein, Rheinberger, Schüt, Sinding or Brahms.

## IV. For Voice.

## Second Year.

**Scales.**—All major and minor scales and arpeggios covering two octaves and any exercise in *Concone*, Opus 9, and *Pasofka*, Opus 83.

**Piano.**—Creditable performance of a piece of Grade IV of a course complete in seven grades.

**Ear-Tests.**—Recognition by ear of all intervals, scales, triads, sevenths, chords, suspensions and anticipations.

**Sight-Singing.**—A song equivalent to Grade IV of a vocal course complete in six grades, and to play and sing at sight a song of moderate difficulty.

To sing from memory the following programme, or one of equal difficulty accepted by the Examiners:

|                       |                                     |
|-----------------------|-------------------------------------|
| <i>Rossini</i> .....  | Bel raggio (Semiramide)             |
| <i>Strauss</i> .....  | Du meines Herzens Krönlein          |
| <i>Schubert</i> ..... | Die Sterne                          |
| <i>Schubert</i> ..... | Die Taubenpost                      |
| <i>Haydn</i> .....    | With verdure clad (Creation)        |
| <i>Schumann</i> ..... | He the best of all                  |
| <i>Chadwick</i> ..... | The Danae                           |
| <i>Liszt</i> .....    | Die Loreley                         |
| <i>Messner</i> .....  | Il est doux, il est bon (Herodiade) |

## Third Year.

To sing from memory the following selections:

|                       |                 |
|-----------------------|-----------------|
| <i>Schubert</i> ..... | Die Erbkönig.   |
| <i>Schubert</i> ..... | Der Zwerg.      |
| <i>Strauss</i> .....  | Cécilie.        |
| <i>Strauss</i> .....  | Frühlingsfeier. |

And any three of the following arias:

|                          |   |
|--------------------------|---|
| <i>Bizet</i> .....       | Habenera (Carmen).                                |
| <i>Demitz</i> .....      | Mad Scene (Lucia).                                |
| <i>Gounod</i> .....      | Jewel Song (Faust).                               |
| <i>Gounod</i> .....      | Plus grand dans son obscurité (La Reine di Saba). |
| <i>Meyerbeer</i> .....   | Ombra Leggera (Dinorah).                          |
| <i>Rossini</i> .....     | Una Voce poco fa (Il Barbiere di Siviglia).       |
| <i>Tachikowaki</i> ..... | Adieu forêt (Jeanne d'Arc).                       |
| <i>Wagner</i> .....      | Elizabeth's Prayer (Tannhäuser).                  |
| <i>Wagner</i> .....      | Elsa's Dream (Lobengrin).                         |

## Compositions.

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

- A solo song with pianoforte accompaniment.
- A four-part vocal composition.
- 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. 13).

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 at least one month before the date set for such examination, the application being accompanied by the proper fee (see p. 56), 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.

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, if he is resident in the Province of Nova Scotia, that he has complied with all the requirements prescribed from time to time by the Nova Scotia Pharmaceutical Society for admission to examination qualifying for Registration.

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, Physiology and Materia Medica, which must be attended by the candidate. Instruction in the other subjects of the course may be obtained at the Nova Scotia College of Pharmacy, which is affiliated with the University, or at another recognized institution.

#### Course.

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 hours per week. The course may be completed in one year by students who come exceptionally well prepared. The classes in Physics, Chemistry and Botany will be found described under Courses of Instruction of the Faculty of Arts and Science (p. 58 *et seq.*); the classes in Physiology and Materia Medica, in the Faculty of Medicine; and the remaining classes, in the Calendar of the Nova Scotia College of Pharmacy.

|                                    |   |   |
|------------------------------------|---|---|
| Physics.....                       | 3 | 1 |
| Chemistry.....                     | 3 | 7 |
| Botany and Pharmacognosy.....      | 2 | 2 |
| Physiology and Toxicology.....     | 1 |   |
| Materia Medica.....                | 3 |   |
| Pharmaceutical Materia Medica..... | 3 |   |
| Pharmacy.....                      | 2 | 4 |

|  |   |   |
|--|---|---|
| Prescriptions.....                       | 2 |   |
| Dispensing.....                          | 0 | 2 |
| Pharmaceutical Ethics and Economics..... | 1 |   |

#### Examinations.

The examinations will be held in April. Applications accompanied by the proper certificates and fees (see p. 56) 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, and Toxicology.
3. Botany, including Microscopy.
4. Materia Medica, including Posology and Pharmacognosy.
5. Theory and Practice of Pharmacy, including interpretation of prescriptions and Dispensing.

#### General Faculty Regulations.

##### Admission to Classes.

1. Candidates for a degree must pass the Matriculation examinations (pp. 12-15). 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 two 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.

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



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. 58 *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.

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 Spring term.

##### 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 completed his classwork, 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.

The following are the times at which Special examinations may be held:—

- (a) During the Supplementary examinations in September.
- (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. 56) to be remitted with the notice.

\*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.

#### 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.*

#### Entrance Scholarships.

##### Sir William Young and Professors' Scholarships.—

These scholarships, twelve in number, each of the value of \$50, are awarded to qualified students entering one of the courses in Arts or Science leading to a degree. They are tenable for one year and are payable in two equal instalments, on October 1st and February 1st, the latter payment being conditional on the scholar having made satisfactory progress in his classes. In order to qualify for a scholarship a student must satisfy the requirements for Matriculation, either by passing the Matriculation examination or by presenting a certificate accepted as an equivalent, or by a combination of these (certificate supplemented by examination). The award is made on the recommendation of one of the schools named below. In making a recommendation the school is required to have regard to the candidate's standing only in the subjects required for Matriculation. Should a school not be prepared to make a nomination at the time appointed, it may transfer its privilege to the next year in which it has no nomination. Where one scholarship is assigned to two schools and neither nominates, the right to nominate may be transferred to a later date.

The privilege of recommending a scholar in 1915, and probably in 1916, has been granted to the Prince of Wales College, Pictou Academy, Truro Academy, Halifax Academy, Sydney Academy, and the New Glasgow High School. To the following the privilege is also given, viz., in 1915, Amherst Academy, Guysboro Academy, North Sydney High School, Shelburne or Liverpool Academy, Stellarton or Oxford High School, Bridgewater or Parrsboro High School; in 1916, Annapolis or Digby Academy, Kentville Academy, Lunenburg Academy, Sydney Mines High School, Windsor Academy, Yarmouth Academy. This list will be revised each year. When a nomination is offered to one of two institutions, the candidate standing the highest will be appointed.

**The Mackenzie Bursary.**—The Mackenzie Bursary, of the value of \$200, will be open to competition an-

nally among those obtaining Distinction at the University Matriculation examinations held in September, in accordance with the following condition of bequest:—Competitors of the name of Mackenzie, Maclean or Fraser will be given the preference. Should no candidate of the name of Mackenzie, Maclean or Fraser obtain Distinction, the Bursary will be awarded to the candidate standing highest among those obtaining Distinction.

The Bursary is payable in four annual instalments; and the payment of any instalment is conditional on the bursar's attending the classes required for undergraduates, and making satisfactory progress therein.

#### Undergraduate Prizes.

**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) Philosophy 1 or History 1; (d) a class in Science or Mathematics 3 or 4. 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, 1916.

**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 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.

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

It will be awarded annually to the student making the highest aggregate in Greek 2 and Latin 2.

**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 Pictou County, will be awarded annually. Candidates must be undergraduates who are just completing the first year of a course in Arts or Science. The Bursary will be awarded to the candidate standing highest in the examinations in the following classes: English 1, Mathematics 1, Chemistry 1 or 1 A, and any two of the four classes, Latin 1, Greek 1, French 1, German 1. The Bursary is tenable during the bursar's second year of residence and is payable in two equal instalments, on October 1st and February 1st., the latter payment being conditional on the bursar having made satisfactory progress in his classes.

**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."

Competitors must be enrolled as undergraduates of this University. The Essays must be of approximately 3500 words in length and are to be handed in not later than October 1st, 1915. The list of subjects can be had from the Secretary of the Faculty.

#### Graduation Prizes.

**The Governor-General's Gold Medal,** offered by His Excellency the Governor-General of the Dominion of Canada, will be awarded to the undergraduate standing highest among those taking High Honours in the department of Classics, provided he attain a standard considerably above that required for High Honours, the winners of other medals being excluded. 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, on the same conditions as the Governor-General's Gold Medal.

**University Medals** will be awarded on graduation to students who take High Honours in other departments than Classics and Mathematics, on the same conditions as the Governor-General's Gold Medal.

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 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 January. 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 Faculty 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 1916.

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 Com-

missioners, 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. Thus age, attendance at other Universities or Colleges, and accounts of original researches conducted elsewhere, must be properly attested.

### 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. For information concerning the rules under which loans are granted application may be made to the President. It is hoped that other donations will be made to increase the fund for this desirable purpose.

### 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.

|  |         |
|--|---------|
| Registration, payable by students taking one or more classes.....  | \$5 00* |
| Additional, payable by all students registering after the first Wednesday after the beginning of lectures..... | 1 00    |

The Registration Fee entitles a student to the use of the University Library.

#### 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..... | \$ 9 00 |
| Ditto, payable by students taking more than four classes.....  | 8 00    |
| †Additional for each class involving work in laboratory or draughting room.....  | 4 00    |
| ‡For each purely laboratory or draughting-room class....   | 12 00   |
| §For changing course of study after October 6th, 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 6th, 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

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

†See Laboratory Deposits, p. 54.

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.

#### 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., taken<br>elsewhere than at the University..... | 10 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., diploma.....                                 | 5 00    |
| B. Mus., or Phm. B., diploma.....  | 10 00   |
| M. A., or M. Sc., diploma (whether gives on examination<br>or thesis)..... | 20 00   |
| <i>Ad eundem gradum diploma.....</i>                                       | 10 00   |
| Additional fee for any degree conferred in absentia.....                   | 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.

\*A postmatriculation 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.

#### 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.

## COURSES OF INSTRUCTION.

## 1. Classics.

(McLeod Professorship).

Professor ..... Howard Murray, B. A., LL.D.  
 Tutor ..... William Lindsay, M. A.

## Latin.

1. Monday, Wednesday and Friday, 11—12 a. m.  
 (After Christmas this class will be conducted by the Tutor).  
**Pre-requisite.**—Matriculation Latin.  
 Cicero: *Orations against Catiline*. Vergil: *Aeneid*, Book VI. \*Cicero: *De Imperio Gnaei Pompei (Pro lege Manilia)*. \*Vergil: *Aeneid*, Book IV. Latin Prose Composition. Exercises in Sight Translation.

**Books Recommended:** Cicero: *Selected Orations and Letters*, (Kelley's Alden & Bacon, Boston, \$1.25). Vergil: *Aeneid*, Book VI, (Page's, Macmillan-Toronto, 35 cents). Vergil: *Aeneid*, Book IV, (Sturgeson's, Macmillan, Toronto, 35 cents). Bradley's *Arnold's Latin Prose Compositions*, (Longmans, London &c.). Allen & Greenough's *New Latin Grammar*, (Ginn & Co., Boston, \$1.25).

2. Monday, Wednesday and Friday, 10—11 a. m.  
**Pre-requisite.**—Latin I.  
 Livy: Book I. Horace: *Odes*, Books I and II. \*Livy: *Selections from books V-VII* (as in Dennison's edition). \*Vergil: *Aeneid*, Book V. Latin Prose Composition. Exercises in Sight Translation.

**Books Recommended:** Livy: Book I and Sections Books II-X, (Denzon's, Macmillan, Toronto, 60 cents). Horace: *Odes*, Books I and II, (Page's, Macmillan, Toronto, each 35 cents). Bradley's *Arnold's Latin Prose Composition*.

3. (1916-17) Tuesday and Thursday, 10—11 a. m.  
**Pre-requisite.**—Latin 2.  
 Tacitus: *Historiae*, Book I. Horace: *Selected Satires*. \*Tacitus: *Historiae*, Book II. \*Vergil: *Bucolics*. Latin Prose Composition. Exercises in Sight Translation.

4. (1915-16) Tuesday and Thursday, 10—11 a. m.  
**Pre-requisite.**—Latin 2.  
 Plautus: *Trinummus*. Juvenal: *Satires*, III, V, X, XIII. Tacitus: *Germania*. \*Tacitus: *Annales*, Book IV. \*Lucretius: *De Rerum Natura*, Book III. Latin Prose Composition. Exercises in Sight Translation.

**Books recommended:** Plautus: *Trinummus*, (Freeman & Steman's, Oxford University Press, Toronto, 50 cents). Juvenal: (Hardy's, Macmillan, \$1.25). Tacitus: *Germania* (Church & Roskell's), Macmillan, 50 cents). Tacitus: *Annales*, Books I-IV, (Farrington's, Oxford University Press, \$1.25). Lucretius: Book III, (Duff's, Cambridge University Press, 2s.).

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

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

## Greek.

1. Tuesday, Thursday and Saturday, 9—10 a. m.  
 (Conducted by the Tutor).  
**Pre-requisite.**—Matriculation Greek.  
 Thucydides: *Selections*. \*Xenophon: *Agesilaus*. Greek Prose Composition. Exercises in Sight Translation.

**Books Recommended:** Thucydides: *Easy Selections*, (Moore's, Longmans, 2s. 6d.). Xenophon: *Agesilaus*, (Haldstone's, Cambridge University Press, 2s. 6d.). North & Hillard's *Greek Prose Compositions*, (Rivingtons, London, 3s. 6d.). Goodwin's *Greek Grammar*, (Ginn & Co., Boston, \$1.50).

2. Tuesday and Thursday, 11—12 a. m.  
**Pre-requisite.**—Greek 1.  
 Lucian: *Selected Dialogues*. Homer: *Odyssey*, Book IX. \*Lucian: *Timos* (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, 2s. 6d.). Homer: *Odyssey*, Book IX, (Edwards, Cambridge University Press, 2s. 6d.). *Odyssey*, Book XII, (von Mankwitz, Ginn & Co., Boston, 40 cents). North & Hillard's *Greek Prose Compositions*, (Rivingtons, London, 3s. 6d.).

3. (1915-16) Tuesday and Thursday, 12—1 p. m.  
**Pre-requisite.**—Greek 2.  
 Demosthenes: *Philippics*, I-III. Euripides: *Medea*. \*Demosthenes: *Glycystica*. \*Euripides: *Alexis*. Greek Prose Composition. Exercises in Sight Translation.

4. (1915-16) Tuesday and Thursday, 12—1 p. m.  
**Pre-requisite.**—Greek 2.  
 Plato: *Apology and Crito*. Aristophanes: *The Clouds*. \*Homer: *Iliad*, Books I, II (1-493) and VI. Greek Prose Composition. Exercises in Sight Translation.

**Books Recommended:** Plato: *Apology and Crito*, (Wagner's, Geo. Bell & Sons, 2s. 6d.). Aristophanes: *The Clouds*, (Merry's, Oxford University Press, 2s.). Homer: *Iliad*, Books I-VI, (Steynmer's, School Book I-VI, Ginn & Co., Boston, \$1.75).

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

## Advanced Classes.

Professor ..... Howard Murray, B. A., LL. D.  
 Lecturer ..... G. K. Butler, M. A.

- Latin 5.**—(1916-17) 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.

**Latin 6.**—(1915-16) Plautus: *Copurn*, *Miles Gloriosus*. Terence: *Adelphi*. Cicero: *Philippic* II, *De Oratore* I. Tacitus: *Annales*, I, II, *Agricola*. Pliny: *Letters*, Books I-III.

**Greek 5.**—(1916-17) Anaclytus: *Exumenides*. *Prometheus Pinctus*. Sophocles: *Oedipus Colonus*. Aristophanes: *Frogs*. Thucydides: II. Plato: *Republic*, I-IV.

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

**Greek 6.**—(1915-16) Homer: *Odyssey*, V-VIII. Sophocles: *Philoctetes*. Aristophanes: *Knights*. Thucydides: III. Demosthenes: *De Corona*. Aristotle: *Poetics*.

#### Elementary Latin.

Monday, Wednesday, Friday and Saturday, 10—11 a. m.

This class, which is conducted by the Tutor, 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.

#### Elementary Greek.

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 Tutor, 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.

## 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. Moulton: *Introduction to N. T. Greek*. Lattin: *The Text of the New Testament*. Matthews: *A History of the New Testament Times in Palestine*.

**Books Recommended:** Moulton: *Grammar of New Testament Greek*. Sanday: *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:** Kautz: *Biblia Hebraica, or Hebrew Bible*, issued by E. and F. B. Society. Davidson: *Hebrew Grammar*.

**Books Recommended:** Fagnani: *Primer of Hebrew*. Guerin: *Kautz's Hebrew Grammar*, (trans. by Collins and Crowley). Brown-Strick-Driver: *Hebrew Lesson*.

## IV. Modern Languages.

(McLeod Professorship).

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

#### French.

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

**Pre-requisite**—Matriculation French.

Sandau: *Sacs et Paraphrases* (MacMillan & Co.). Corneille: *Le Cid* (Holt & Co.). Bazin: *Comtes Chateaux* (D. C. Heath & Co.). Weekley: *Groundwork of French Composition* (Univ. Tut. Press). Exercises in Syntax and Sight Translation. Additional for Distinction: Gréville: *Dixième* (Heath & Co.). Racine: *Athalie* (Blackie & Son.) History of French Literature.

2. Tuesday and Thursday, 9-10 a. m.

**Pre-requisite**.—French I.

Bazlet and Mason: *French Prose Reader* (Univ. Tut. Press). Molière: *Le Misanthrope*. Gautier: *Scenes of Travel* (Clarendon Press). French Prose Composition. Conversation. Dictation. History of French Literature with special reference to the 19th Century. Additional for distinction: Hugot *Les Misérables*. Corneille: *Nicomède* (MacMillan & Co.).

3. (1916-17). Wednesday and Friday 9-10 a. m.

**Pre-requisite**.—French 2.

Balzac: *Ursule Mirouet* (Holt & Co.). Boileau: *Selections* (Heath & Co.). Weekley: *A Higher French Reader* (Univ. Tut. Press). Advanced French Prose Composition (Spicers). Conversation. Duval: *Histoire de la Littérature Française* (Heath & Co.). Gazier: *Dictionnaire Français* (Colin, Paris). Galandy et

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



Balaigac: *Vocabulaire Analogique*. Additional for Distinction:  
Balzac: *Eugénie Grandet* (Oxford Univ. Press). Rostand: *Cyrano  
de Bergerac*. Duval: *Littérature Française* (selected period).

4. (1915-16). *Wednesday and Friday*, 9-10 a. m.

**Pre-requisite.**—French 2.

Balzac: *Pages Choësies* (Collin, Paris). La Fontaine: *Fifty  
Fables* (Am. Book Co.). Corneille: *Horace* (Heath & Co.). Weekley:  
*A Higher French Reader* (Univ. Tut. Press). Advanced French  
Prose Composition (Spiers). Galandry et Balaigac: *Vocabulaire  
analogique* (Paris, Delagrave). Conversation. Duval: *Histoire  
de la Littérature Française*. Additional for Distinction: Cherbulliez:  
*Le comte Kottia* (Nelson). Racine: *Phèdre*. Faguet: *Dix-  
septième siècle*.

**German.**

**Elementary German.**—*Monday, Wednesday and Friday*, 3-4 p. m.

Harris: *German Lessons* (D. C. Heath & Co.). Huss: *A Ger-  
man Reader* (Heath & Co.). Hauff: *Das kalte 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*, 2-3 p. m.

**Pre-requisite.**—Matriculation German.

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

Additional for Distinction: Storm: *Auf der Universität*.  
Schiller: *Die Jungfrau von Orléans* (Appleton & Co.). History of  
German Literature.

2. *Tuesday and Thursday* 2-3 p. m.

**Pre-requisite.**—German 1.

Hatfield: *German Lyrics* (Heath & Co.). Freytag: *Soll und  
Haben* (Heath & Co.). Nichols: *Masters German Prose* (Holt &  
Co.). German Prose. Composition. Conversation. Dictation.  
History of German Literature (selected period).

Additional for Distinction: Kleist: *Michael Kohlhaas* (Mac-  
Millan). Scheffel: *Der Trompeter von Säckingen*.

3. *Thursday*, 12-1 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. (1915-17). *Monday and Wednesday*, 4-5 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*. Angley: *Pre-  
historic Archaeology and the Old Testament*. Cornill: *The Prophets of Israel*. Re-  
levant 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 arti-  
cles in Hastings' *Dictionary of the Bible*.

2. (1915-16). *Monday and Wednesday*, 4-5 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 to the Bible, its Origin and Na-  
ture*. Saunders and Kent: *The Message of the Bible*. Jackson: *Shades of the Old  
Testament*.

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

**Book Recommended:** Koper: *The Apostolic Age*.

VI. **English Language and Literature.**

(George Munro Professorship).

Professor..... Archibald MacMechan, Ph. D.

1. *Tuesday and Thursday*, 12-1 p. 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  
Fest*. 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 Liter-  
ature*.

Candidates for Class Distinction will be examined in these additional works which are not read in class:—Dryden: *Abolous and Achitophel*, 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, Congreve 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 1.

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

**Literature.**—Elizabethan. Shakespeare: *Henry IV, Pt. 1, The Tempest, Macbeth*. Milton: *L'Allegro, Il Penseroso, Lycidas, Comus, Sonnets, Paradise Lost*, Bks. i, ii. Lectures.

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

Candidates for Class Distinction will be examined in the following plays which are not read in class:—*Henry V, Twelfth Night, Julius Caesar*.

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

3. *Tuesday and Thursday 3-4 p. m.* Not given in 1915-16.

**Pre-requisite.**—English 2.

**Literature.**—Middle English and Pre-Shakespearean. 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*. Ten Brink. Morley: *English Writers, V*.

For Distinction:—Chaucer: *The Prioresse's Tale, Sir Topas, The Monk's Tale*. The whole volume of Skeat with the exception of "The Squire's Tale."

4. *Monday and Wednesday, 3-4 p. m.* Not given in 1915-16.

**Pre-requisite.**—English 2.

**Literature.**—Nineteenth Century. 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*. Oliphant: *Literary History of England*.

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

5. *(1915-6). Monday and Wednesday, 3-4 p. m.*

**Literature.**—Nineteenth Century. Selected poems of Tennyson (*Poems of Tennyson*, ed. MacMechan, *Belles Lettres series*). Selections from Browning (Dent's one vol. ed.) and Arnold. Dickens: *Daniel Copperfield*, (Everyman's Library). Thackeray: *Vanity Fair*, (Everyman's Library). Carlyle: *Sartor Resartus*, ed. MacMechan, (Atheneum Press Series).

History of Literature. Saintsbury: *History of Nineteenth Century Literature*. Walker: *The Age of Tennyson*.

For Distinction, as in English 4.

6. *Monday and Wednesday.* Not given in 1915-16.

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

7. *Monday and Wednesday, 11-12 a. m.*

This course, conducted as a Seminary, will be given if a sufficient number of students apply for it.

**Elizabethan Drama.** 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*.

## VII. History and Economics.

Professor..... James Eadie Todd, M. A

### History.

1. **Ancient and Early Medieval History.**—*Monday, Wednesday and Friday, 10-11 a. m.*

**Pre-requisites.**—Matriculation History and Geography.

**Text Books:** Botsford: *History of Rome*. Oman: *The Dark Ages*.  
**Books Recommended:** Ferrero: *Graeco-Roman and Decline of Rome*. Berry: *History of the later Roman Empire*. Cambridge *Medieval History*, Vols. I and II.

2. **The Middle Ages.**—*Tuesday and Thursday, 3-4 p. m.* Not given in 1915-16.

**Text Books:** Text: *The Empire and the Papacy, The Class of the Middle Ages*.

**Books Recommended:** Fisher: *The Medievals' Empire*. Archer and Klappert: *The Crusades*. Stoddard: *History of the Italian Republics* (Boydell's edition).

4. **English History to 1485.**—*Tuesday and Thursday, 3-4 p. m.* Not given in 1915-16.

**Text Books:** Text: *Admiral History of Great Britain*. Bell's *English History Source Books* (Vol I to VI).

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

5. **Modern History.**—(1915-16). *Monday and Wednesday, 11-12 a. m.*

**Pre-requisite.**—Matriculation History and Geography.  
The History of Europe in the eighteenth and nineteenth centuries.

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

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

#### Economics.

1. **Economic Theory.**—*Tuesday and Thursday, 2-3 p. m.*

**Pre-requisite.**—Matriculation English.

**Text Books:** Gibbs: *Principles of Political Economy*.

**Books Recommended:** Marshall: *Economics of Industry*. Nicholson: *Elements of Political Economy*. Mill: *Principles of Political Economy*.

2. **Modern Economic History.**—*Tuesday and Thursday, 3-4 p. m.*

**Pre-requisite.**—Economics I.

**Text Books:** Innes: *England's Industrial Development*. Bogart: *Economic History of the United States*.

**Books Recommended:** Cunningham: *Growth of English Industry and Commerce*. Condit and its Provinces (Selected portions). Tysden: *Industrial Revolution*.

3. **Theory and History of Exchange.**—*Monday and Wednesday 11-12 a. m.* Special Course (not given in 1915-16)

**Text Books:** Jerome: *Money*. Scott: *Money and Banking*.

**Books Recommended:** Walker: *Money*. Samsell: *Theory of International Trade*. Cunnet: *History of Modern Banks of Issue*. Dobb: *History of Money in the British Empire and the United States*.

### VIII. 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.

#### IX Philosophy.

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

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

**Text Books:** Coghlan: *Introductory Logic*. Stout: *Manual of Psychology*. Reference will also be made to McDougall: *Psychology*. James: *Principles of Psychology*.

2. **History of Greek Philosophy.**—(1915-16). *Monday and Wednesday, 3-4 p. m.*

**Pre-requisite.**—Philosophy I.

**Text Books:** Rogers: *Student's History of Philosophy*. Plato: *Republic*. (Davies and Vaughan), *Phaedo*, *Apology*, *Theaetetus*. Taylor: *Aristotle on his Pedagogue*.

3. **Ethics.**—(1915-16). *Tuesday and Thursday, 9-10 a. m.*

**Pre-requisite.**—Philosophy I.

**Text Books:** Plato: *Republic* I-IV. Butler: *Sermon*. MacKinnon: *Manual of Ethics*. Mill: *Utilitarianism*. Sidgwick: *History of Ethics*. On Ethical Theory Sidgwick: *Methods of Ethics*. Baskinell: *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: *Origin and Development of Moral Ideas*.

4. **Advanced Psychology.** (1916-17). *Monday and Wednesday, 2-3 p. m.*

**Text Books:** James: *Principles of Psychology*. McDougall: *Social Psychology*.

5. **History of Moral Ideas.** (1916-17). *Monday and Wednesday, 3-4 p. m.*

**Text Book:** Lecky: *History of European Morals*.

Reference will frequently be made to Westermarck: *Origin and Development of the Moral Ideas*, and Millman: *History of Latin Christianity*.

6. **Metaphysics.**—(1916-17). *Tuesday and Thursday, 9-10 a. m.*

**Pre-requisite.**—Philosophy I.

**Text Book:** Taylor: *Elements of Metaphysics*.

7. **History of Philosophy from Descartes.**—(1916-17). *Monday and Wednesday, 2-3 p. m.*

**Pre-requisite.**—Philosophy I.

8. **British Philosophy in the Nineteenth Century.**—(1915-16). *Monday and Wednesday, 2-3 p. m.*

**Pre-requisite.**—Philosophy I.

### X. Mathematics.

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

1. **General Elementary Mathematics.** *Monday, Wednesday and Friday, 12-1 p. m.*

**Pre-requisite.**—Matriculation Mathematics.

**Geometry.**—Euclid, Book VI. Proportional Geometry. Mensuration of the Sphere, Prism, Pyramid, Cylinder and Cone. **Trigonometry.**—Solution of plane triangles; angular analysis.

**Algebra.**—Indices, Logarithms, Interest and Annuities, Permutations and Combinations, Binomial Theorem, Graphs of Simple Expressions, Partial Fractions, Complex Numbers, Theory of Equations.

**Text Books:** Wilson: *Solid Geometry and Conic Sections*. Murray: *Plane and Spherical Trigonometry with Tables*. Blackman: *Higher Algebra*. Gillin & Co.

**For Additional Reading:** Geometrical Conic Sections, Spherical Trigonometry, Indute Series.

2. **Analytic Geometry.**—*Tuesday and Thursday, 12-1 p. m.*

**Pre-requisite.**—Mathematics I.

**Text Book:** Smith and Gale: *New Analytic Geometry*. (Ginn & Co.)

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

This course may be taken by those who are taking or have taken Mathematics 3.

**Text Book:** *Geometrie: Differential and Integral Calculus, Revised Edition (Ginn & Co.).*

**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 two hours weekly throughout the year. Mathematics 3 and 4 are pre-requisite.

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

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

7. **Differential Equations.**—Murray's *Differential Equations*, with supplementary lectures.

8. **Algebra.**—(1915-6). *Tuesday and Thursday 11-12 a. m.* Topics in Determinants, Theory of Equations, Quantics, Invariants, with lectures on Series and Functions of a real variable.

9. **Projective Geometry.**

## XI. Astronomy.

*Lecturer* .....

1. **Descriptive Astronomy.**—*Two hours a week through the year. The course will be given only if a sufficient number apply for it.*

**Pre-requisite.**—Matriculation Mathematics.

This is a general course in which the leading facts and principles of Descriptive Astronomy are presented.

**Books Recommended:** Young; *General Astronomy.*

## XII. Mechanics.

*Lecturers* ..... { Professor H. L. Bronson.  
Professor J. N. Finlayson.

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 I or II. It must be taken by all students intending to take Honours in Mathematics or Physics.

**Text Books:** *Greenbook: Mechanics and Hydrostatics; Duff: Mechanics. For Distinction: MacGregor: Kinematics and Dynamics.*

2. **Advanced.**—*Second term, Tuesday and Thursday, 11-12 a. m.*

**Pre-requisites.**—Mechanics I, Mathematics I, and Mathematics 4 (the latter, however, may be taken simultaneously).

This course is intended for Engineering students, and cannot be offered for a degree in Arts or 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.

## XIII. Physics.

(George Munro Professorship).

*Professor* ..... Howard L. Bronson, Ph. D.  
*Instructor* ..... G. H. Henderson, B. A., B. Sc.

### Lecture Courses.

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

**Pre-requisite.** Matriculation Mathematics.

The object of this course is to give the minimum acquaintance with Physical Science requisite for a liberal education to those whose studies will be mainly literary.

Those who aim at Distinction or intend to take Physics 2 or 3 must take Course 1 A or 1 B.

**Text Book:** Kinshalt; *College Physics.*

1B. The work of this class is that of Physics 1, with two additional hours a week devoted to laboratory work. The laboratory class is divided into two sections which meet on Tuesday and Thursday from 11 a. m.—1 p. m.

This course should be taken by those intending to enter Medicine.

Those who aim at Distinction will be examined on private reading to be assigned.

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

**Pre-requisites.**—Mechanics I and Mathematics I.

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

Those who aim at Distinction will be examined on private reading to be assigned.

**Books Recommended:** Weight; *Heat.* Halsey; *Electricity and Magnetism Watson: A Text-Book of Physics.*

2. **Elementary Mathematical—Heat and Electricity.**—(1915-16). *Given in alternate years. Monday and Wednesday 10-11 a. m.*

**Pre-requisites.**—Mathematics 4, Physics 1A, or 1B.

**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; *Air-water Currents,*

3. **Elementary Mathematical—Light.**—(1916-17)—Given in alternate years. *Monday and Wednesday, 10—11 a. m.*

**Pre-requisites.**—Mathematics 4, Physics 1A or 1B.

**Books Recommended:** Proton: *The Theory of Light*. Schuster: *Theory of Optics*. Mass and Millner's *Drude: The Theory of Optics*. Wood: *Physical Optics*.

4. **Advanced Mathematical.**—(1915-16). Given in alternate years.

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

In 1913-14 this course included 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*. Breyer: *Poincaré's Series*.

### 5. 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.

### Laboratory Courses.

6. **Elementary Practical.**—Six hours per week. *Monday and Wednesday, 2-5 p. m.*

**Pre-requisite.**—Physics 1A; or the two may be taken at the same time.

This is a first course in experimental physics, intended primarily for engineering students.

**Books of Reference:** Auer and Hiler: *Manual of Experiments in Physics*. Stewart and Gee: *Elementary Practical Physics*. Tury and Pitches: *Laboratory Physics*.

7. **Elementary Practical.**—Six hours per week. *Monday and Wednesday, 2-5 p. m.*

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

This course is similar to Physics 6, 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 obtained in Physics 1B.

**Books of Reference:** Tury and Pitches: *Laboratory Physics*. Stewart and Gee: *Elementary Practical Physics*.

8. **Advanced Practical.**—Six hours per week. *Monday and Wednesday 2-5 p. m.*

**Pre-requisite.**—Physics 6.

The work of this class consists of the investigation of physical laws of a more complex kind than in Physics 6, and a greater degree of precision will be expected in the determinations made.

9. **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.

## XIV. Chemistry.

(McLeod Professorship).

*Professor*..... E. Mackay, Ph. D.  
*Instructor*..... C. B. Nickerson, M. A.  
*Assistant*..... J. A. Dawson.

The syllabus of the classes prescribed for candidates for a degree in Medicine or Dentistry, namely, Chemistry 1B and 3, will be found under "Courses of Instruction" in the Faculties of Medicine and Dentistry. Only persons enrolled as students of Medicine or Dentistry are admitted to those classes; but by such students Chemistry 3 may also be offered for a degree in Arts or Science. The class for students of Pharmacy, Chemistry 1C (p. 73), cannot be offered for an Arts or Science degree.

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

**Pre-requisite.**—Matriculation Algebra.

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*. For occasional reading: *Almond Club Reports*. Lamm-Cohen: *Chemistry in Daily Life*.

1A. **General Chemistry.**—Monday, Wednesday and Friday, 9-10 a. m. *Laboratory: Monday and Wednesday, 3-5 p. m.*

**Pre-requisite.**—Matriculation Algebra and English.

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

2. **Chemistry of Metals and Compounds of Carbon.**—Tuesday and Thursday, 9-10 a. m. *Laboratory: Tuesday and Thursday, 2-4.30 p. m.*

**Pre-requisite.**—Chemistry 1A.

**First term:** the metals and their compounds; applications of the theory of electrolytic dissociation to analysis.

**Second term:** 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 Blanchard: *Electrolytic Dissociation Theory*. A. A. Noyes: *Qualitative Analysis*. Remsen: *Compounds of Carbon*, 5th Edition.

**4. Engineering Chemistry.**—*First term: Tuesday and Thursday, 9.10 a. m. Laboratory: Tuesday and Thursday, throughout the Session, 2-4.30 p. m.*

**Pre-requisite.**—Chemistry 1A.

The lectures in this class are the same as those of the First term in Chemistry 2.

Five hours a week are devoted to laboratory work, which includes a thorough course in qualitative analysis.

**Books Recommended:** A. A. Noyce *Qualitative Analysis*. Smith; *General Chemistry for Colleges*. For reference: Talbot and Bunsford; *Electrolytic Displacement Theory*.

#### 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 Chemistry.**—(1915-16). *Twice a week.*

The development of chemical theory from the time of Boyle.

**Books Recommended:** Arrhenius; *History of Chemistry*. Ruzic; *Dalton and the Rise of Atomic Chemistry*. Sherrington; *Justus von Liebig*. Thorpe; *Essays on Historical Chemistry*. Schönbemmer; *Rise and Progress of Organic Chemistry*. Lachmann; *Spirit of Organic Chemistry*. Stewart; *Recent Advances in Organic Chemistry*. And selected materials from the *Alumni Club Reports* and Ostwald's *Klassiker*. For reference: Ernst von Meyer; *History of Chemistry*.

**6. Physical Chemistry.**—(1916-17). *Twice a week.*

Solutions; thermo-chemistry; electro-chemistry; and chemical dynamics.

**Books Recommended:** Bipekow; *Theoretical and Physical Chemistry*. Walker; *Introduction to Physical Chemistry*. LeBlanc; *Electro-Chemistry*. Ostwald; *Principles of Inorganic Chemistry*. For reference: *Text Books of Physical Chemistry*, edited by Ramsay.

#### Laboratory Classes.

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

**Pre-requisite.**—Chemistry 2 or 4.

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 analysis 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 work selected from the following: estimation of iodine, nitrogen in nitrates, potassium, chromium, aluminium and lead, analysis of iron and steel, analysis of ores, water analysis.

**Books Recommended:** Remost; *Inorganic Preparations* (John Hopkins Press). Lengnickl; *Inorganic Preparations*. Talbot; *Quantitative Analysis*. Moore; *Exercises on Quantitative Chemistry*. Blair; *Chemical Analysis of Iron*. Mason; *Examination of Water*.

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

**Pre-requisite.**—Chemistry 2 or 3.

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 working. Quantitative determinations are carried out of carbon, hydrogen, oxygen and nitrogen; and some molecular weights are determined.

Students are permitted to substitute for the analytical work an equivalent amount of work in other branches of analysis, or in physiological chemistry.

Candidates for Distinction are required to do additional work of the kind outlined above.

**Books Recommended:** Gutterman; *Practical Methods of Organic Chemistry*, translated by Schöber. Colton; *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 investigations conducted by students who have shown themselves qualified to undertake it.

#### Pharmaceutical Chemistry.

The following class is prescribed for candidates for the degree of Bachelor of Pharmacy. The laboratory work is arranged in two divisions, the work of the first division being preliminary to that of the second. The first division of the laboratory work together with the full lecture course constitutes a Qualifying Course for students of Pharmacy seeking admission to the examination to Chemistry of the Nova Scotia Pharmaceutical Society.

If a student taking the Qualifying Course can satisfy the department that he has a satisfactory knowledge of qualitative analysis, he may be permitted to do the second division of the laboratory work simultaneously. Otherwise, the work of the first division must be satisfactorily completed before undertaking that of the second.

**1C. Monday, Wednesday and Friday, 12-1 p. m. Laboratory: First Division, Monday and Friday, 11-12 a. m. Wednesday 10-12 a. m. Second Division, 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 Division:* Exercises in General Chemistry, followed by a course in qualitative analysis.

*Second Division:* (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 salicylate; ammonium chloride, liquor ammonia fortior; magnesium sulphate and carbonate, astringent; 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, ipecac, nux vomica, and opium; liquors—ferri perchlorid, arsenicalis, hydrarg. perchlorid, and potass. permang. syrups—simplex, ferri iodid; spirits—ether nil, etc.

(3) Use of polariscope.

(4) Testing of food products and water.

(5) Urine analysis.

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

## XV. Geology and Mineralogy.

Assistant Professor..... D. S. McIntosh M. Sc.

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

**Pre-requisite.**—Chemistry I or IA (which may, however, with the consent of the instructor, be taken in the same year.)

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 hours on these afternoons during the rest of the session.

This course is elective for candidates in Arts and Science.

**Text Book:** Scott: *An Introduction to Geology.*

**Reference Books:** Chamberlain and Salisbury: *Geology.* Goffin: *Geology.* Young and Brock: *Geology and Economic Minerals of Canada.*

**IA. General Geology.**—Lectures, as in *Geology I.* Excursions and Laboratory, Saturday mornings.

**Pre-requisite.**—As in *Geology I.*

The work of this class embraces the lectures of *Geology I.*, with additional field and laboratory work. The field and laboratory work occupies Saturday forenoons throughout the Session, beginning at nine o'clock. Excursions are held during the Autumn except on stormy days, and may occupy the whole day.

Required for candidates in Engineering, and elective for candidates in Arts and Science.

**Text and Reference Books:** See *Geology I.*

**2. Physical and Commercial Geography.**—Monday and Wednesday, 4-5 p. m.

**Pre-requisite.**—Matriculation History and Geography.

This course deals with land forms; the ocean; climate; plant, animal and mineral distribution; man and the effect of natural environment; the agents, nature and manipulation of trade, and its relation to civilization.

**Reference Books:** Salisbury: *Physiography.* Davis: *Physical Geography.* Young and Brock: *Geology and Economic Minerals of Canada.*

**3. Mineralogy and Petrography.**—(1916-7). Lectures, two hours per week. Laboratory, one afternoon per week, chiefly microscopical.

**Pre-requisites.**—Chemistry IA and Geology I or IA (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.* Fournet: *Rocks and Rock Minerals.* Barrois: *Petrology for Students.*

**4. Mineralogy and Economic Geology.**—(1915-6). Lectures, two hours per week. Laboratory, three hours per week.

**Pre-requisites.**—As in *Geology 3.*

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

**Reference Books:** Dana: *A Text-book of Mineralogy.* Brush and Penfield: *Determinative Mineralogy, and Blow-pipe Analysis.* Hunt: *Economic Geology of the United States.* Kemp: *Our Deposits of the United States and Canada.*

## Advanced Courses.

One or 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 I or IA, Biology I.

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

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

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

**Pre-requisite.**—Geology I or IA.

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.

## XVI. Biology.

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

**1. General Biology.**—Lecture, Saturday, 9-10 a. m. Laboratory, four hours; for Medical Students, Saturday, 10-12 a. m., and either Tuesday or Thursday, 11 a. m.—1 p. m.; for Arts and Science Students, Tuesday and Thursday, 11 a. m.—1 p. m., or 2.30-4.30 p. 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.**—*Lectures, Monday and Friday, 10-11 a. m. Laboratory, Thursday, 11 a. m.-1 p. m.*

This class is prescribed for candidates for the degree of Bachelor of Pharmacy. It cannot be offered for a degree in Arts or Science.

**2. General Zoology.**—*Lectures, Monday and Wednesday, 11-12 a. m. Laboratory, four hours per week.*

**Pre-requisite.**—Biology 1.

**Text Book:** Hertwig: *Manual of 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.**—*Lectures, one hour per week. Laboratory, four hours per week.*

**Pre-requisite.**—Biology 2.

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

**XVII. Physiology.**

*Professor*.....D. Fraser Harris, M. D., D. Sc., F. R. S. E.

**1A. General Physiology.**—*Monday, Wednesday, Friday and Saturday, 11-12 a. m.*

Some knowledge of elementary chemistry, Physics and Biology is pre-supposed; and the student should also, preferably, have some acquaintance with human anatomy.

The course deals with the Physiology of the sense organs, the nervous system, reproduction, development, etc.

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.

**XVIII. 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.

**XIX. Theory and History of Music.**

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

**XX. Drawing.**

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

**1. Mechanical Drawing.**—*Lecture, First Term, Monday, 11-12 a. m. Drawing, Tuesday and Thursday, 9-11 a. m. and 2-4.30 p. m., and, First Term, Wednesday and Friday, 11-12 a. m.*

Required of all Engineering students.

Freehand lettering and object drawing; geometrical exercises; detail and assembly drawings and tracings of simple machines; isometric and wash drawings.

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

**1A.—Mechanical Drawing.**—*Five hours per week throughout the year.*

This course is part of Drawing 1, and is required of all students proceeding to the degree of B. Sc. Its object is to train the hand and eye, so that students can readily make sketches and prepare scale drawings of apparatus and simple machines. Free hand lettering and object drawing will be dealt with, and the course will include the preparation of working drawings and tracings of simple machine details, and graphical solutions of geometrical problems.

**2. Descriptive Geometry.**—*Second Term. Lecture, Monday 11-12 a. m. Drawing, Wednesday and Friday, 11-12 a. m., and Friday, 2-5 p. m.*

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

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 visualize magnitudes involving three dimensions, but also to point out practical applications to engineering work.

**Book Recommended:** Adams: *Descriptive Geometry.*

**XXI. Surveying.**

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

*Lectures, Monday, Wednesday and Friday, 12-1 p. m. Field Work, First Term, Friday 2-5 p. m. and Saturday 9 a. m.-1 p. m. Mapping, Second Term, Saturday, 9 a. m.-1 p. m.*

**Pre-requisites.**—Drawing 1 and Mathematics 1.

Instruction is given in the use and adjustment of the various surveying instruments, also in plane land surveying by chain,



compass, transit, and level, city surveying, hydrographic surveying, triangulation, topographical and mine surveying, and stadia surveying. The work includes theory, practice in field work and plotting, and conventional representation of topographical features.

**Book Recommended:** Reed and Hosmer: *Principles and Practice of Surveying*.

## XXII. Kinematics and Dynamics of Machines.

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

*Monday, Wednesday and Friday, 10-11 a. m.*

**Pre-requisites.**—Drawing 1, Mechanics 1, Mathematics 1, and Mathematics 4, (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.

**Books Recommended:** Schwesb and Merril: *Mechanism*. Darley: *Kine matics of Machines*.

## XXIII. Graphical Statics.

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

*First Term, Tuesday and Thursday, 12-1 p. m.*

**Pre-requisites.**—Drawing 1 and 2, 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.

## XXIV. Materials of Construction.

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

*Second Term, Tuesday and Thursday, 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; limes; concrete; stone and brick masonry; timber; preservation of timber; standard specifications.

# 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 main University 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.

### Relationship with the Nova Scotia Barristers' Society.

An arrangement has been made between the University and 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 Barristers' Society. The Barristers' 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 Nova Scotia Barristers' Society is given for the benefit of those who look forward to admission to the Bar in this Province.

#### Preliminary Requirements of the Barristers' Society.

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

The Preliminary examination must be passed 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. French, or German, or Greek.

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 of the Society 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 such College or University at least five regular subjects 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 of the Society a satisfactory certificate that he is the holder of the Diploma of Bachelor of Arts from any College or University approved by the Council of the Society for the purpose.

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

"No candidate who does not hold the degree of Bachelor of Arts shall be admitted to an Intermediate examination unless he has served as a duly articled clerk for at least two years. Any candidate holding that degree shall 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 eighteen months from his having passed the Intermediate examination, or such examination or examinations as are accepted in lieu thereof.

"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. 18-20.

#### Academic Year.

The Academic Year consists of one session of about thirty-one weeks duration. The session of 1915-16 will begin on Tuesday, September 28th, 1915, and end on Thursday, May 4th, 1916.

#### Degree.

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

#### Admission.

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

\*An Undergraduate is defined as a candidate for a degree who has passed in all a Matriculant one who has passed in at least three subjects of the Matriculation examination. All other students are classed as Special students. (See University Calendar page 11.)

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 (see University Calendar, page 11), 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 the Faculty of Law in place of three of the eight electives required for the degree of Bachelor of Arts (see University Calendar, 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 in advance to the Dean, and ask for a statement of their value.*

Undergraduates of other approved Law Schools may, on producing satisfactory certificates, be admitted to advanced standing in this Law School. But if their previous courses of study have not corresponded to those preliminary to the year of the course on which they enter in this University they may be required to take extra classes.

#### Matriculation.

For details of the requirements in Matriculation see the University Calendar, pp. 12-15.

### Curriculum.\*

| First Year.  |                                   | Hours<br>per week. |
|--------------|-----------------------------------|--------------------|
| 1.           | Constitutional History.....       | 2                  |
| 2.           | Contracts.....                    | 2                  |
| 3.           | Torts.....                        | 2                  |
| 4.           | Crimes.....                       | 1                  |
| 5.           | Real Property.....                | 2                  |
| 6.           | Evidence 1.....                   | 1                  |
|              |                                   |                    |
| Second Year. |                                   |                    |
| 1.           | Constitutional Law.....           | 2                  |
| 2.           | Shipping.....                     | 1                  |
| 3.           | Equity Jurisprudence 1, or 2..... | 1                  |
| 4.           | Bills and Notes, or Sales.....    | 1                  |
| 5.           | Evidence 2.....                   | 1                  |
| 6.           | Insurance.....                    | 1                  |
| 7.           | Wills and Administration.....     | 2                  |
| 8.           | Statutes and Procedure.....       | 1                  |
|              |                                   |                    |
| Third Year.  |                                   |                    |
| 1.           | International Law.....            | 1                  |
| 2.           | Conflict of Laws.....             | 2                  |
| 3.           | Equity Jurisprudence 2, or 1..... | 1                  |
| 4.           | Sales, or Bills and Notes.....    | 1                  |
| 5.           | Partnership and Corporations..... | 1                  |
| 6.           | Statutes and Procedure.....       | 2                  |
| 7.           | Office Practice.....              | 2                  |

Detailed information regarding the classes included in these courses will be found under Courses of Instruction.

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 more than nine classes, including classes taken in other faculties of the University, without special permission from the Faculty.

\*It is to be distinctly understood that the program and regulations regarding courses of study, examinations, etc., contained in this Calendar are intended for the year ending May 4th, 1914 only, and that the Faculty does not hold itself bound to adhere absolutely to the curriculum and conditions now laid down.

The Faculty urgently recommend 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.

#### Moot Courts.

Moot Courts are held weekly.

The case to be argued is stated by the Professor or Lecturer who is to preside. Every candidate for a degree shall be required to take part in at least two arguments at the Moot Court. The senior counsel on either side shall file briefs with the Dean one day before the day on which the case is argued. A record is kept of the values assigned to the arguments made, and these values may be considered by the Faculty in recommending a candidate for his degree.

#### Sessional Examinations.

The Sessional examinations will begin next session on Monday April 17, 1916.

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.

#### Supplementary Examinations.

If a student fail to pass in one or two subjects of his year at the Sessional examination, he may be allowed a Supplementary examination in such subject or subjects at the specified times for such examinations. But if he fail to pass in more than two subjects at any Sessional examination, he must repeat his year.

If a student fail in two subjects of his year at a Sessional examination, he must pass in at least one of them at a subsequent Supplementary examination before he can enter upon the studies of the next higher year.

Supplementary examinations are held only at the beginning and end of the Session, on the dates to be found in the Almanac.

Students who wish to present themselves at a Supplementary examination must make written application

to the Dean of the Faculty 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.

#### 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.

#### For Registration.

|   |         |
|---|---------|
| Registration, payable by all students.....            | \$ 5 00 |
| Registration after October 1st, 1915, additional..... | 2 00    |

The Registration Fee entitles a student to the use of the University Library as well as the Law Library.

#### For Tuition,\* Examinations and Diplomas.

|  |          |
|--|----------|
| For each class attended, when taken singly.....  | \$ 10 00 |
| Payable by those taking the prescribed curriculum, each year.....  | 60 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..... | 75 00    |
| Students departing from the prescribed curriculum will be charged for each class singly; but the maximum charge for three years shall be.....                          | 200 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.

The tuition fees payable by a student will not be higher than those published in the latest copy of the Law Calendar which had been issued before the date of his first registration in the Law School, provided that not more than two years have elapsed since that date. In case more than two years have elapsed the scale of fees charged will be the same as that for the members of the class of the year he is attending.

#### Caution Deposit.

Each male student on registration is required to deposit two dollars as caution money to cover damage

\*In the case of students entering after May, 1908, the first four items in this list may be increased to \$12.00, \$15.00, \$20.00 and \$24.00 respectively.

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.

#### 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.

### COURSES OF INSTRUCTION.

(George Munro Professorship).

#### Constitutional and International Law.

Professor..... Dean MacRae.  
Lecturer..... W. F. O'Connor, B. C. L., LL. B.

##### Constitutional Law.

Two lectures per week. Subjects of lectures:

Constitutional Conventions. Royal Prerogative. *Lex Parliamenti*. Colonial Laws Validity Act. British North America Act.

**Text Books:** Clement: *Canadian Constitution*. For reference: *Letroy: Federal System*. *Dacey: Law of the Constitution*.

##### Constitutional History.

Two lectures per week. Subjects of lectures:

Federalism in England. 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. The Liberty of the Press. History of Party Government. 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 Book:** Tansell-Langmead: *Constitutional History of England*.

##### Conflict of Laws.

Two lectures per week. Subjects of lectures:

Outline history of growth of rules of Private International Law. Nationality and Naturalization. Domicil. Capacity. Marriage and Divorce. Movable and Immovable. Contracts. Torts. Procedure. Foreign Judgments.

**Text Books:** *Poste: Private International Jurisprudence*. For reference: *Dacey: Conflict of Laws*. *Wentlake: Private International Law*.

##### International Law.

One lecture per week. Subjects of lectures:

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*.

**Shipping.**

Lecturer .....

*One lecture per week.* Subjects of lectures:

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

**Text Book:** McLachlan: *Shipping*.**Contracts.**

Professor .....

*Two lectures per week.* Subjects of lectures:

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.

**Text Book:** Atkinson on *Contracts*.**Equity Jurisprudence.**

Lecturer .....

1. *One lecture per week (1915-16).* Subjects of lectures:

Fraud and Misrepresentation. Mistake. Accident. Reformation and Cancellation of Instruments. Mortgages and Liens.

2. *One lecture per week. (1916-17).* Subjects of lectures:

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

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

Lecturer .....

*One lecture per week (1916-17).* Subjects of lectures:

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*.**Bills and Notes.**

Lecturer .....

*One lecture per week (1915-16).* Subjects of lectures:

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

**Text Book:** Russell on *Bills*.**Torts.**

Lecturer .....

*Two lectures per week.* Subjects of lectures:

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 Books:** Bigelow or Pollock.**Crimes.**

Lecturer .....

*One lecture per week.* Subjects of lectures:

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:** Crankshaw: *The Canadian Criminal Code, 1892*. Kenny: *Criminal Law*.**Evidence.**

Lecturer .....

1. *One lecture per week.*

Relevancy and Rules of Exclusion.

**Text Books:** Wigmore on *Evidence*. Odger: *Law of Evidence*. Cockle: *Cases on Evidence*. Wigmore's *Best Evidence*.2. *One lecture per week.*

Proof.

**Text Book:** Odger: *Law of Evidence*.**Partnership and Corporations.**

Lecturer .....

*One lecture per week.* Subjects of lectures:

Partnership, and Companies and Corporations.

**Text Book:** Lindley: *On Companies*.**Insurance.**

Lecturer .....

*One lecture per week.* Subjects of lectures:

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

**Text Book:** Halbury: *Laws of England, vol. 17, title Insurance*.

## Real Property.

Lecturers . . . . . { J. E. Read, B. A., B. C. L.  
J. McG. Stewart, B. A., LL. B.

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 Chalmers on Real Property.

## Wills and Administration.

Lecturer . . . . .

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 Will<sup>9</sup> Acts of the various Maritime Provinces. Probate Court practice.

Text Books: Hays and Jarman on Wills.

## Statutes and Procedure.

Lecturers . . . . . { Stuart Jenks, LL. B., K. C.  
Hector McInnes, LL. B., K. C.,  
T. Sherman Rogers, LL. B., K. C.

Three lectures per week, partly in second and partly in third year students.

## Statutes.

Principles of Interpretation and Construction. Precedents and Authorities. Legislative Methods. Codification. Drafting and Classification of Statutes. Effect and Operation of Statutes. Crown Rules, *certiorari*, Quo Warranto, Mandamus, Prohibition. Bail. *Seire Facias*. Habeas Corpus. Forms, &c.

Text Book: Maxwell's *On Statutes*.

## Procedure.

Historical Introduction. Forms of Action. General Sketch of Proceedings. Logical Rules of Pleading. Common Law Pleading. Pleading in Equity. The Judicature Act and Rules.

Books Recommended: *Oliver's Pleading and Practice*. *The N. S. Judicature Rules*.

## Office Practice.

Lecturer . . . . . Bernard W. Russell, B. A., LL. B.

One two-hour period per week.

Practical Office Work: Drawing Deeds, Agreements, etc. Preparing Writs, Statements of Claim, Pleadings, Notices, etc. Chambers' Motions.

## 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 their academic degrees 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. A. W. H. Lindsay, Halifax.  
New Brunswick: Dr. Stewart Skinner, St. John.  
Prince Edward Island: Dr. S. R. Jenkins, Charlottetown.  
Newfoundland: Dr. H. Rendell, 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 will open in the Fall in the new Science Building on the Studley site.

The University laboratory of Biology, the equipment of which has recently been largely increased through the generosity of James H. Dunn, Esq., of London, will remain in the old Main Building. To the rooms vacated in this building by the removal of the Faculty of Arts and Science to its new quarters at Studley will be transferred the Medical laboratories of Anatomy, Pharmacy, Histology and Physiology, giving them greatly increased accommodation. The new 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 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. 18-20.

#### Academic Year.

The Academic Year consists of one session of eight months' duration. The session of 1915-16 will begin on Wednesday, Sept. 8th, 1915, and end on Thursday, May 4th, 1916. No student will be admitted after September 20th.

#### 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 have passed in all but one subject of the Matriculation or Preliminary examination, and have obtained in this subject a mark of at least 25 per cent.; *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. 103, *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 12), 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. 12-16, 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

† It is to be distinctly understood that the program and regulations regarding courses of study, examinations, etc., contained in this Calendar are intended for the year ending May 4th, 1916, only, and that the Faculty, while fully aware of its obligations towards the students, does not hold itself bound to adhere absolutely or the entire period of a student's course to the conditions now laid down.

found under "Courses of Instruction" (pp. 103 *et seq.*). The course is as follows:

**First Year.**

|               |               |
|---------------|---------------|
| Anatomy 1.    | Physics 1B.   |
| Biology 1.    | Physiology 2. |
| Chemistry 1B. |               |

**Second Year.**

|               |                           |
|---------------|---------------------------|
| Anatomy 2.    | Physiology 3.             |
| Chemistry 3.  | Practical Materia Medica. |
| Physiology 1. |                           |

**Third Year.**

|                 |                     |
|-----------------|---------------------|
| Physiology 4.   | Practical Surgery.  |
| Materia Medica. | Medicine 1.         |
| Pathology 1.    | Practical Medicine. |
| Pathology 2.    | Obstetrics 1.       |
| Surgery 1.      | Dispensary.         |

**Fourth Year.**

|                       |                        |
|-----------------------|------------------------|
| Surgery 2.            | Medical Jurisprudence. |
| Clinical Surgery.     | Therapeutics.          |
| Medicine 2.           | Hygiene.               |
| Clinical Medicine.    | Post Mortems.          |
| Obstetrics 2.         | Hospital.              |
| Practical Obstetrics. |                        |

**Fifth Year.**

|                       |                                     |
|-----------------------|-------------------------------------|
| Anatomy 3.            | Skin Diseases.                      |
| Operative Surgery.    | Eye, Ear, Nose and Throat Diseases. |
| Clinical Surgery.     | Dressing.                           |
| Clinical Medicine.    | Clerking.                           |
| Clinical Obstetrics.  | Vaccination.                        |
| Practical Obstetrics. | Post Mortems.                       |
| Clinical Gynaecology. | Hospital.                           |
| Clinical Paediatrics. |                                     |
| 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. 103, *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: Anatomy, Biology, Chemistry, Physics, Histology.

**\*Second Professional Examination.**

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

**Third Professional Examination.**

One paper and an oral examination in (a) *Materia Medica*, and (b) *Pathology and Bacteriology*; and one paper in each of the following: (a) *Physiology*, (b) *Surgery*, (c) *Medicine*, (d) *Obstetrics*.

**Fourth Professional Examination.**

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

**Fifth 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, (c) *Obstetrics and Diseases of Women and Children*, (d) *Therapeutics and Hygiene*. Also a practical clinical examination in (e) *Surgery* and in (f) *Medicine*.

**Pass and Distinction Lists.**

The names of candidates successful in the examinations are arranged in the published lists in two divisions, the *Pass* and the *Distinction* divisions. To pass, a candidate must obtain a minimum mark of 40 per cent. in the pure sciences, *Biology*, *Chemistry* and *Physics*, 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.

\*Candidates are permitted certain modifications of the above order so far as regards the first and second Professional examinations, subject to the regulations under "Admission to Examinations." (See p. 97).

**Admission to Examinations.**

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

1. They must have passed the Matriculation or Preliminary examination (for modification in the case of the first year see under "Admission and Grading" sec. I, p. 94).
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 be accepted without valid reason for absence being shown.
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 94).
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 Degrees 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 *Victoria General 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 April, 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. (See p. 101).

#### Exemptions.

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

- (a) of having passed the Matriculation, or an equivalent, examination<sup>†</sup> 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.

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

Candidates for a degree must spend at least one year of study in attendance at Dalhousie University.

#### Sponsio Academica.

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

In facultate Medicinæ Universitatís Dalhousiænæ.

Ego, Doctoratus in Arte Medica título iam donandus, sancto coram Deo eedum scrutatore, spondeo:—me in omni grati animi officio erga Universitatem Dalhousianam ad extremum vitæ habitum, perseveraturum. Tum porro Artem Medicam caute, caste, probeque exercitaturum et quoad potero, omnia ad aegrotorum corporum salutem conducitura, cum fide procuraturum. Quæ denique, inter medendum visa vel audita scire conveniat, non sine gravi causa vulgaturum. Its præsens mihi spondenti adsit Numen.

<sup>†</sup>All information in reference to requirements for the Preliminary examination of the Provincial Medical Board, exemptions, etc., may be obtained on application to the Registrar of the Board, Dr. A. W. H. Lindsay, 219 Pleasant Street, 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.

### 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 six subjects of examination.

**Dr. Lindau's 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 three subjects of examination.

**Dr. MacAulay's Prize.**—A prize of Books will be awarded to the student of the First Year, whose work during the session in the Practical Anatomy class shall be accounted most satisfactory.

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

### Fees.

#### For Registration.

|   |        |
|---|--------|
| Registration fee payable by students taking one or more classes .....               | \$ 00* |
| Additional, payable by all students registering after Tuesday, September 14th ..... | 2 00   |

The Registration Fee entitles a student to the use of the University Library.

#### For Tuition.

*All Fees and deposits are payable in advance, and until these are paid the student will not receive credit for attendance upon any class.*

#### Payable by Students Taking Individual Classes.

|  |         |
|--|---------|
| Anatomy 3, Practical Materia Medica, Practical Surgery, Practical Medicine, Practical Obstetrics, Clinical Obstetrics, Clinical Gynaecology, Mental Diseases, Skin Diseases, Eye, Ear, Nose and Throat Diseases, Paediatrics, Clinical Paediatrics, Physiology 4, each ..... | \$10 00 |
| Physics 1B, Chemistry 1B, Biology 1, each .....  | 12 00   |
| Anatomy 2, Chemistry 2, Materia Medica, Surgery 1, Surgery 2, Clinical Surgery, Operative Surgery, Medicine 1, Medicine 2, Clinical Medicine, Obstetrics 1, Obstetrics 2, Medical Jurisprudence, Therapeutics, Hygiene, each .....   | 15 00   |
| Anatomy 1, Physiology 1, Physiology 3, Histology, Pathology 1, Pathology 2, each .....   | 20 00   |
| Practical Anatomy, each year .....   | 25 00   |

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

### For Hospitals.

Admission to Victoria General Hospital, Hospital Laboratory, Children's Hospital, City Home, 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 fifty dollars, exclusive of fees for admission to hospitals.

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 seventy-five dollars, exclusive of registration and examination fees.

### Fees Payable by Students Taking the Classes of any one Year of the Curriculum.

|   |          |
|---|----------|
| For each year .....   | \$100 00 |
| Additional, payable by students registering after Tuesday, September 14th ..... | 2 00     |

This amount includes the fees for registration and class tuition and also the requisite fees for admission to the Victoria General Hospital, Hospital Laboratory, Children's Hospital, City Home, and Dispensary, but does not include the fees payable for examinations.

### 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    |

\*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.

**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 Deposit.**

A student taking a class involving laboratory work is required to make a deposit of from two to 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.

**COURSES OF INSTRUCTION.****I.—Anatomy.**

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

*Professor*..... A. W. H. Lindsay, B.A., M.D.  
*Demonstrators*.....

**1. Lectures: Monday, Wednesday and Friday, 12-1 p. m.**  
*Laboratory: Two hours daily except Saturday.*

The main subjects of this course, which is intended for first year students, will be Osteology and Arthrology. The general character, structure, growth and development of bone will be first taken up. The entire skeleton will then be carefully studied, and each bone examined in detail, points of practical interest being especially referred to. In Arthrology the most important joints will be studied. 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.

**Text Books:** Cunningham, Gray, Gravis, Osse.

**2. Lectures: Tuesday and Thursday, 11-12 a. m. Laboratory: Two hours daily except Saturday.**

**Pre-requisite.**—Anatomy 1.

This course, intended for second year students, will include Regional Anatomy, the cavities of the body and contents, the eye, ear, larynx, etc., the brain, spinal cord, etc. Lectures will be illustrated by fresh dissections, plates, diagrams and models.

**3. Applied Anatomy.**—This course 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. The class will meet twice a week after the Christmas holidays.

**Practical Anatomy.**

Special attention will be given to this branch. The Dissecting Room will be open daily, except 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 two 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 two years, during which the student is required to have dissected each "part" twice.

**Text Books:** Cunningham, Booth, Holden, Ellis.

## II.—Biology.

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

**1. General Biology.**—Lectures: *Saturday, 9-10 a. m.; Laboratory: Saturday, 10-12 a. m., and either Tuesday or Thursday, 11 a. m.—1 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.

## III.—Chemistry.

(McLeod Professorship).

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

**1B. General Chemistry.**—Lectures: *Monday, Wednesday and Friday, 9-10 a. m. Laboratory: Monday, Wednesday and Friday, 10-11 a. m.*

Lectures on General Chemistry covering the same ground as in Chemistry I in the Faculty of Arts and Science (Calendar Faculty of Arts and Science, p. 71). At least three hours a week must be devoted to laboratory work. This work is designed to make the student familiar with ordinary laboratory operations and to lead him to solve simple problems in Chemistry by experiment. Several common inorganic substances are prepared and studied; and simple quantitative experiments leading to the fundamental laws of Chemistry are performed.

**Text Book:** Smith: *General Chemistry for Colleges.*

**3. Metals and Carbon.**—Lectures: *Tuesday and Thursday, 9-10 a. m. Laboratory: Tuesday, Thursday and Saturday, 10-11 a. m.*

**Pre-requisite.**—Chemistry 1B.

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

**Laboratory Work.**—Qualitative analysis, including the detection of the more commonly occurring poisons; exercises in Organic Chemistry.

**Text Books:** Smith: *General Chemistry for Colleges.* Rose: *Compounds of Carbon*, 4th edition. F. M. Perkins: *Qualitative Chemical Analysis.*

## IV.—Physics.

(George Munro Professorship).

Professor..... Howard L. Bronson, Ph. D.  
Instructor..... G. H. Henderson, B. A., B. Sc.

**1B. General Physics.**—*Monday, Wednesday and Friday, 11-12 a. m.*

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 two sections, one of which meets on Tuesday and the other on Thursday, from 11 a. m.—1 p. m. The experiments selected for the courses 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.

**Book Recommended:** Kinball: *College Physics.*

## V.—Physiology.

Professor..... D. Fraser Harris, M. D., D. Sc., F. R. S. E.  
Demonstrator..... G. A. MacIntosh, M. D., C. M.

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, Friday and Saturday, 11-12 a. m.*

**Pre-requisites.**—Chemistry 1B, Physics 1B, Biology 1, Anatomy I and Histology.

This course consists of 100 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, reproduction and development.

**4. Advanced Physiology.**—*Tuesday, 11-12 a. m.*

**Pre-requisite.**—Physiology 1.

This course is intended for students of the third year, and will treat of such subjects as have not been dealt with in Physiology 1.

**Text Books:** Howell: *Text Book of Physiology.* Fraser Harris: *Nerves* (Ottawa 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 designed 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 Book:** Schäfer: *Essentials of Histology*. (Latest edition).

3. (a) **General Practical Physiology.**—*First Term, Friday, 2-4 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) **Practical Physiological Chemistry.**—*Second Term, Friday, 2-4 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:** Schäfer: *Experimental Physiology*. Halliburton: *Essentials of Chemical Physiology*. (Latest edition); or, Kuttan and Harding: *Laboratory courses in Chemistry for Medical Students*.

## VI.—Materia Medica.

*Professor*, ..... A. F. Buckley, Pharm.L., M.D., C.M.  
*Demonstrator*, ..... E. M. Macleod.

### Materia Medica.

This course consists of seventy-five lectures and demonstrations, given in the third year. The official drugs of the British Pharmacopoeia 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:** Brass, Wood, Whittle, Butler.

### Practical Materia Medica.

This course consists of twenty-five meetings of two hours each for practical work. Students will be instructed in the processes of Pharmacy, and in the Dispensing and Incompatibility of drugs by the Demonstrator in the Pharmacy Laboratory.

This class should be taken in the second year before entering the Materia Medica class.

## VII.—Pathology and Bacteriology.

*Professor*, ..... Albert G. Nicholls, M. A., M. D., D. Sc., F. R. S. C.

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

**Pathology.**—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.

**Morbid Anatomy.**—Demonstrations to students of the third year will be given at suitable times on Morbid Anatomy. So soon as sufficient material shall have accumulated, it is hoped that systematic instruction may be given on this important subject to students of the fourth year also.

**Bacteriology.**—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, Wednesday and Friday, 10-12 a. m.*

**Morbid Histology.**—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 given 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.

**Post Mortem Examinations.**—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.**—A course during the Second Term for students of the third year, in which will be considered the preparation of 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 studied for purposes of future study.

**Text Books:** Bantle and Dixon: *General and Special Pathology*. McFarland: *The Book of Pathology*. Madbery: *Pathological Histology*. Muir and Ritchie: *Manual of Bacteriology*. Faugh: *Essentials of Laboratory Diagnosis*. Connell: *Practical Bacteriology*.

## VIII.—Surgery.

|                |                                    |
|----------------|------------------------------------|
| Professor..... | E. V. Hogan, M. D., C. M.          |
| Professor..... | John Stewart, M. B., C. M., LL. D. |
| Lecturer.....  | Philip Weatherbe, M. B., Ch. B.    |

## Lecture Courses.

1. A course of seventy-five lectures on the general principles of Surgery, to be given during the third year.

2. A course of seventy-five lectures on Regional Surgery, to be given during the fourth year.

**Text Books:** Rose and Carles, Thomas and Miles, *American System, Wharries and Curtis.*

## 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, MacGrah.

## IX.—Clinical Surgery.

|                    |                                 |
|--------------------|---------------------------------|
| Professors.....    | { M. Chisholm, M. D., C. M.     |
|                    | { E. V. Hogan, M. D., C. M.     |
|                    | { H. K. MacDonald, M. D., C. M. |
| Lecturer.....      | J. G. McDougall, M. D., C. M.   |
| Demonstrators..... | { L. Thomas, M. D., C. M.       |
|                    | { J. F. Lessel, M. D., C. M.    |

In addition to lectures on cases at the hospitals, students 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.

|                 |                               |
|-----------------|-------------------------------|
| Professors..... | { L. M. Silver, M. B., C. M.  |
|                 | { L. M. Murray, M. D., C. M.  |
| Lecturer.....   | K. A. MacKenzie, M. D., C. M. |

1. A course of seventy-five 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 seventy-five 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, *Adress.*. For reference: Roberts, Gibson, Osler; *Modern Medicine, Church and Peterson; 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. |

## Clinical Medicine.

Clinical lectures and instruction will be given 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 in Physical Diagnosis, Urinalysis and in the use of the various instruments required for clinical examinations.

**Text Books:** Butler, *Diagnosis of Internal Medicine.* Page, *Physical Diagnosis.* Farrer, *Uroanalysis.* Jacob, *Atlas Clinical Medicine.* Murray, *Medical Diagnosis.* Hutchings 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. Alison, M.D., C. M. |

## Lecture Courses.

These courses will extend over two years of the curriculum.

1. In the third year seventy-five lectures will be given on the Principles and Practice of Midwifery, illustrated by diagrams, preserved specimens and the manikin.

2. In the fourth year fifty lectures will be given on Practical and Operative Midwifery, and twenty-five lectures 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:** *Obstetrics*—Polak, Hirst, Edgar, Williams. *Gynaecology*—Davis Short, Obstetrics, Hirst, Ashton, Eden.



## 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: Isorganic—Mineral Acids, Solutions of Alkali, Copper, Lead, Mercury, Antimony, Arsenic, Phosphorus; Organic—Oxalic Acid, Carbonic 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, Bone, Draper.

## XIV.—Therapeutics and Hygiene.

Professor..... D. A. Campbell, M.D., C.M.  
Lecturers..... J. R. Corston, M.D., C.M.  
W. H. Hattie, 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.

Text Book: Hare: *Practical Therapeutics*.

**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. Water in its relation to Health and Disease:—(1). The character and classification of Drinking Water. (2) Causes and Sources of the Impurities found in Water, and Methods of Purification. (3) The Diseases conveyed by water, and the Methods of dealing with Epidemics of such Diseases.
- II. Air, in relation to Health and Disease:—(1) The Causes and Sources of the Impurities found in the Air. (2) The Diseases conveyed through the Air. (3) The quantity of Air necessary for Health, the Principles of Ventilation.

- III. Soil, in relation to Health and Disease:—(1) The Causes and Sources of the Impurities of the Soil, and the Methods of dealing with them. (2) Diseases connected with the Soil. (3) The Methods of dealing with Excreta and Sewage.
- IV. Food, in relation to Health and Disease:—(1) Diabetics. (2) The common Adulterations of the Chief Articles of Diet. (3) Diseases connected with Deficiency or Impurity of Food Supply.
- V. The Dwelling, in relation to Health and Disease:—The Principles of House Drainage.
- VI. The Principles of Disinfection, and the mode of Action of the Chief Disinfecting Agents.
- VII. The Provisions of "The Act for the Notification of Disease."

Text Book: *Am. Text Book*, Harrington.

## XV.—Skin Diseases.

Lecturer..... James Ross, M.D., C.M.

This course will consist of not less than twenty-five lectures, chiefly clinical, to be given in the wards of the Victoria General Hospital.

Patients will be brought before the class and their condition examined into and demonstrated, and the appropriate treatment prescribed and illustrated.

Text Books: Schanberg, Morris, Walker.

## XVI.—Eye, Ear, Nose and Throat Diseases.

Lecturer..... R. Evatt Mathers, M.D.

Didactic and Clinical Instruction will be given in these subjects 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, May, Foelix. *Diseases of the Ear*—Brühl-Pollitzer, Book, Deane. *Diseases of the Nose and Throat*—Cockley. *Diseases of the Ear, Nose and Throat*—Glendon. *Nose, Throat and Ear*—Porter.

## XVII.—Mental Diseases.

Professor..... W. H. Hattie, M. D., C. M.

This course will comprise about fifteen lectures on the various forms of Insanity from a medical as well as from a forensic standpoint. The various types of mental disease will be illustrated by cases, and clinical instruction will be given to final students at intervals throughout the session at the Nova Scotia Hospital.

## XVIII.—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.

#### XIX.—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.

## 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 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, in the regular University Class Rooms and Laboratories. Instruction in the Dental subjects is given in the Dental Apartments, a suite of rooms set apart for the purpose in the south wing of the Main University 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. A new Pathological Building, in connection with the Hospital has recently been opened. It is thus seen that superior privileges are here conveniently grouped for the thorough education of the student in Dental Surgery.

By an arrangement between the University and the Provincial Dental Board of Nova Scotia the Professional examinations are conducted conjointly by the Examiners of the Faculty of Dentistry of the University and seven dentists nominated by the Board; so that candidates may qualify at the same time for the degree of D. D. S. and for the Licence 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 Mari-

time Provinces and in Newfoundland may be obtained from the respective Registrars, who are as follows:

For Nova Scotia; Dr. G. K. Thomson, Halifax, N. S.  
For New Brunswick; Dr. F. A. Godsoe, 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 and British Columbia.

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 and British Columbia 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. 18-20.

#### Academic Year.

The session of 1915-16 will begin on Sept. 8th, 1915, and end on Thursday, May 4th, 1916. Lectures for the first, second and third years will begin on September 15th, and for the fourth year on Sept. 29th, 1915.

\*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 third 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.

A candidate before being admitted to the study of Dentistry must register as a Dental Student in this or other province of the Dominion or in some other country, and must present a certificate of such registration.

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. 12-17).

**Curriculum.\*****First Year.**

*Lectures*—Anatomy 1A, Chemistry 1B, Histology, Physics 1B, Prosthetic Dentistry, and Dental and Comparative Dental Anatomy.

*Laboratory*—Practical Anatomy, Chemistry, Physics, Histology, Prosthetic and Dental Anatomy Technic.

**Second Year.**

*Lectures*—Anatomy 2A, Chemistry 3, Physiology 1, Operative and Prosthetic Dentistry.

*Laboratory*—Practical Anatomy, Chemistry, Operative and Prosthetic Technic, Physiology 3B.

**Third Year.**

*Lectures*—Prosthetic Dentistry, Crown and Bridge Work and Ceramics, Operative Dentistry, Orthodontia, Materia Medica, General Pathology and Bacteriology, Dental Pathology and Therapeutics, Surgery and Anaesthetics.

*Laboratory*—Prosthetic and Operative Dentistry, Dental Infirmary, Crown and Bridge Work and Porcelain. Pathology and Bacteriology, Orthodontia.

**Fourth Year.**

*Lectures*—General and Oral Surgery, Operative and Prosthetic Dentistry, Orthodontia, Hygiene, History, Ethics and Jurisprudence, Crown and Bridge Work, Ceramics, Hygiene, Roentgenology, Metallurgy.

*Laboratory*—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

\*It is to be distinctly understood that the program and regulations regarding courses of study, examinations, etc., contained in this Calendar hold good for the year ending May 4th, 1916, only, and that the Faculty, while fully sensible of its obligations towards the students, does not hold itself bound to adhere absolutely for the entire period of a student's course to the conditions now laid down.

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: Anatomy, Chemistry, Physics, Histology, Prosthetic Dentistry, Dental and Comparative Dental Anatomy.

**Second Professional Examination.**

One paper in each of the following: Chemistry, Operative Dentistry, and Prosthetic Dentistry; one paper and an oral and practical examination in physiology; and one paper and an oral examination in Anatomy.

**Third Professional Examination.**

One paper in each of the following: Prosthetic Dentistry, Crown and Bridge Work and Ceramics, Operative Dentistry, Orthodontia, Materia Medica, Surgery and Anaesthetics, Dental Pathology and Therapeutics, Metallurgy; and one paper and an oral examination in General Pathology and Bacteriology.

**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) Surgery and Anaesthetics, (b) Operative Dentistry, (c) Prosthetic Dentistry, (d) Crown and Bridge Work and Ceramics, and Hygiene, (e) Orthodontia; and an oral examination in Roentgenology.

**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, Chemistry and Physics, 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 Dental Curriculum regularly and punctually. Certificates indicating less than 90 per cent. of attendance upon any class will not be accepted unless valid reason for absence be shown.
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 a Supplementary examination in such subjects, provided he is qualified in attendance and classwork for admission to examination.

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 April, but at no other times.

### Exemptions.

Candidates may be exempted from examination in one or more subjects of the first three Professional ex-

aminations on presenting certificates of having passed equivalent examinations at any Dental College recognized by the Senate for the purpose, and complying with the regulations of the University. Candidates for a degree must spend at least one year of study in attendance at Dalhousie University.

### Concurrent Courses.

Arrangements have been made for concurrent courses in Medicine and Dentistry, whereby a student may obtain the M. D., C. M. and D. D. S. degrees in seven years, and thus save two sessions.

In order to do this the student must at the beginning of his course present such certificates of preliminary education as are accepted by the Provincial Medical Board.

During the first four years while pursuing the Dental course the student will complete the first and second years of the Medical course; the third, fourth and fifth years will be taken after graduation in Dentistry; or the Medical course may be taken first and the Dental course can be completed after graduation in Medicine.

By a similar arrangement concurrent courses may be taken leading to the degrees of B. A. and D. D. S.; and B. Sc. and D. D. S.

### Instruments and Appliances.

Lathes, vulcanizers, porcelain furnace and the heavier appliances of the Laboratory are supplied by the Dental College.

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.

### Prize.

The Maritime Dental Supply Company, Ltd., of Halifax, offers a prize of twenty-five dollars to the student in the first year who makes the best general average in all subjects in the Spring Examinations, 1916.

**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.**

|   |         |
|---|---------|
| Registration, payable annually.....                         | \$ 5 00 |
| Additional, for registration after Tuesday, Sept. 14th..... | 2 00    |

The Registration Fee entitles a student to the use of the University Library.

**For Tuition.**

|  |          |
|--|----------|
| For the classes of any one year of the Curriculum..... | \$100 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   |
| 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 <i>in absentia</i> ..... | 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 Deposit.**

A student taking a class involving laboratory work is required to make a deposit of from two to 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.

\*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 D. D. S. degree, as not taken all his professional exam locations at this University, the total fee payable to the University shall be \$40.00.

## COURSES OF INSTRUCTION.

## Operative Dentistry.

|           |  |
|-----------|--|
| Professor | F. W. Ryan, D. D. S.                                     |
| Lecturers | W. H. H. Beckwith, D. D. S.<br>R. E. Macdonald, 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.

## Orthodontia.

|           |                          |
|-----------|--------------------------|
| Professor | 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.

## Prosthetic Dentistry.

|           |  |
|-----------|--|
| Professor | F. Woodbury, D. D. S.<br>G. H. Fluck, D. D. S.       |
| Lecturers | 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, Turner.

## 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:** Holger.

Dental Anatomy and Comparative  
Dental Anatomy.

|           |                         |
|-----------|-------------------------|
| Professor | 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 calcification, the process of calcification, eruption and absorption, a minute study of the teeth, dental pulp and surrounding tissues.

A practical course in tooth modeling, 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 Book:** Tomes.

## Crown and Bridge Work, Ceramics and Hygiene.

|           |                         |
|-----------|-------------------------|
| Professor | G. K. Thomson, D. D. S. |
| Lecturer  | W. C. Osner, 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:** Geeler, Byrnes.

## Dental Pathology and Therapeutics.

|           |  |
|-----------|--|
| Professor | A. W. Cogswell, M. D., C. M., D. D. S. |
|-----------|--|

The course is designed to supplement the instruction given in the lectures on General Pathology and Therapeutics. Practical application of the teachings will be made in the Infirmary clinic during the third and fourth years. The principles of sterilization will be carefully taught.

**Text Books:** Buckley, Gorges.

## History, Dental 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.**—The qualifications and duties of expert witnesses, dental records, responsibilities of practitioners, &c.

**Text Books:** Koch, Goerl, Noyes, Brothers.

### General and Oral Surgery and Anaesthetics.

**Professor**..... F. V. Woodbury, M. D., C. M.

**Surgery.**—This course is given during the third and fourth years. It consists of lectures on surgical principles and procedure, approved methods of treatment, including operations and clinics.

It is especially intended that this course of instruction shall embrace those conditions which the dentist is likely to meet in his practice, not omitting careful attention to the minor surgical operations which the dentist should ordinarily perform, while giving a basis of instruction to those who may aspire to a practice in Oral Surgery in the future.

**Text Books:** Blair, McCurdy.

**Anaesthetics.**—This subject is taught both theoretically and practically. The lectures include the physiological action and toxicology of all general and local anaesthetics. Emergencies and modes of resuscitation will receive very thorough consideration.

**Text Books:** Lake, Strathern.

### Röntgenology.

**Lecturer**.....

The course consists of lectures and demonstrations given during part of the fourth year, showing technique employed and results obtained, both on patients and skeleton. Lectures will be illustrated with films and plates.

**Text Books:** Sattles, Roper.

### Anatomy.

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

**Professor**..... A. W. H. Lindsay, M. D., C. M.  
**Demonstrators**.....

#### Lectures and Practical.

**1A.** This course is intended for students of the first year. The class will meet three times a week, on Monday, Wednesday and Friday. The main subjects of the course will be Osteology and Arthrology. The general character, structure, growth, and development of bone will be first taken up. The entire skeleton will then be carefully studied, and each bone examined in detail, points of practical interest being especially referred to. In Arthrology the most important joints will be studied. 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.

**2A.** The course will include Regional Anatomy, the cavities of the body and contents, the eye, ear, larynx, etc., the brain, spinal cord, etc. Lectures will be illustrated by fresh dissections, plates, diagrams and models. This class will meet twice a week, on Tuesday and Thursday.

**Text Books:** Cunningham, Gray, Gerrish, Quain.

#### Practical Anatomy.

Special attention will be given to this branch. The dissecting room will be open daily except 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. Dental students must dissect the head and neck and one other part in each year.

**Text Books:** Cunningham, Beath, Holden, Ellis.

### Chemistry.

(McLeod Professorship).

**Professor**..... E. MacKay, Ph. D.  
**Instructor**..... C. B. Nickerson, A. M.  
**Assistant**..... J. A. Dawson.

**1B. Lectures:** Monday, Wednesday and Friday, 9-10 a. m.  
**Laboratory:** Monday, Wednesday and Friday, 10-11 a. 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. Lectures:** Tuesday and Thursday, 9-10 a. m. **Laboratory:** Tuesday, Thursday and Saturday, 10-11 a. m.

Students entering this class must have taken Chemistry 1B, or an equivalent class in Chemistry.

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

**Laboratory Work.**—Qualitative analysis, including the detection of the more commonly occurring poisons; exercises in Organic Chemistry.

**Text Books:** Smith: *General Chemistry for Colleges*, Remsen: *Compounds of Carbon*, 4th Edition, F. M. Perkins: *Qualitative Analysis*.

The general laboratory is open to students in Dentistry from 10 to 11 a. m. daily.

Laboratory students are allowed the use of all the more inexpensive reagents. They are required to provide themselves with the more expensive reagents as alcohol and ether, and they are charged with the value of the apparatus they have broken or injured.

All members of practical classes are required to keep a detailed record of their laboratory work. The character of this record is a factor in determining the standing of a student in the class lists.



**Physics.***(Magna Professorship).*

*Professor*..... Howard L. Bronson, Ph. D.  
*Demonstrator*..... G. H. Henderson, B. A., B. Sc.

**1B. General Physics.**—Monday, Wednesday and Friday, 11-12 a. m.

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 two sections, one of which meets on Tuesday and the other on Thursday from 11 a. m.—1 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.

**Book Recommended:** Carhart: *College Physics*.

**Physiology and Histology.**

*Professor*..... D. Fraser Harris, M. D., D. Sc.  
*Demonstrator*..... G. A. MacIntosh, M. D., C. M.

**1. Lectures on General Physiology.**

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 Hastic: *Nerves* (Ottawa University Library).

**2. Histology.**

This course, which consists of seventy-five 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 students 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:** Schiffer: *Essentials of Histology* (Latest edition).

**3B. Practical Physiological Chemistry.**

This course, which is intended for students of the second year, meets once a week, (Fridays) for two hours, during the second half of the session. 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:** Halliburton: *Essentials of Chemical Physiology*, or Rutton and Hartley: *Laboratory courses in Chemistry for Medical Students*.

**Materia Medica.**

*Professor*..... A. F. Buckley, Pharm. L., M. D., C. M.

This course consists of about fifty lectures and demonstrations given in the third year. The official drugs of the British Pharmacopoeia will be considered, also such non-official remedies as will be considered advisable. As the principal drugs are discussed attention will be drawn to such points as are important for the student to know in view of their being prescribed. The drugs and their preparations are illustrated as far as is necessary.

**Text Books:** Bruce, Wood, Hare, Shoemaker, Potter, Soliman, Dixon.

**Pathology and Bacteriology.**

*Professor*..... A. G. Nichols, M. D., C. M., D. Sc.

**Lectures.**

1. General Pathology and General Pathological Anatomy, under which will be included, (a) The derangements of nutrition, inflammation, repair, morbid growths, etc.; (b) The bacteriology and morbid anatomy of the more important infective diseases, and the subject of immunity; (c) The life history, characters, and pathogenic effects of the principal animal parasites. This class will meet three times a week throughout the year.

**Laboratory Work.**

2. Classes for practical instruction in Morbid Anatomy, Pathological Histology and Bacteriology will be carried on two days each week for two hours. Part of the session will be occupied in the histological investigation and preparation of morbid structures and organs, and part will be devoted to bacteriological methods.

**Text Books:** Beattie and Dickson: *General and Special Pathology*. Woodhead: *Practical Pathology*. Mall and Reichle: *Path. Bact. Connell: Practical Bacteriology*.

# Societies.

## THE ALUMNI ASSOCIATION.

(Organized in 1871. Incorporated in 1876).

*Honorary President*..... Rev. J. Forrest, D. D., L. L. D.  
*President*..... G. F. Pearson, LL. B.  
*First Vice-President*..... F. V. Woodbury, M. D., C. M.  
*Second Vice-President*..... George Henderson.  
*Secretary-Treasurer*..... M. Macneill, M. A.  
*Representative Governors*.—C. H. Mitchell, Esq., retiring 1914;  
C. J. Burchell, LL. B., retiring 1917; Judge W. B. Wallace, LL. B.,  
retiring 1918.  
*Other members of the Executive*.—J. H. Trefry; J. S. Roper;  
A. J. Barasen; H. E. Mahon; J. S. Fraser.

## THE ALUMNAE ASSOCIATION.

(Organized in March, 1909. Incorporated in May, 1914).

*Honorary President*..... Mrs. M. Trueman, M. A.  
*President*..... Dr. Eliza Ritchie.  
*First Vice-President*..... Miss Holbrecker.  
*Second Vice-President*..... Miss F. Blackwood.  
*Recording Secretary*..... Miss E. MacKenzie.  
*Corresponding Secretary*..... Miss I. Lindsay.  
*Treasurer*..... Miss Frances Grant.  
*Other members of the Executive*.—Mrs. Todd; Miss Jean  
Forrest; Miss M. Davidson; Miss Kathleen Allen; Miss Fillis  
Boak.

## Council of Students of the University.

*President*..... J. S. Fraser, (Arts).  
*Vice-President*..... G. B. Richmond, (Dent.).  
*Secretary-Treasurer*..... H. W. Kirkpatrick, (Med.).  
*Executive*..... C. A. Pugsley, (Arts); F. T. Me-  
Leod, (Med.).  
*Other members of the Council*.—N. L. Chipman, '16 (Arts);  
Beattie Hall, '15 (Arts); D. G. MacGregor, '17 (Arts); C. M. Bayne  
'17 (Arts); D. A. Mackenzie, '17 (Arts); S. I. Robinson, '18 (Arts);  
A. A. Turnbull, '18 (Arts); E. Simpson, (Eng.); K. K. Blackadar,  
(Med.); C. W. Thorne, (Med.).

## The Dalhousie Gazette.

The *Dalhousie Gazette* is published by the stu-  
dents of the University under the authority of the Coun-  
cil.

*Editor-in-Chief*..... N. M. Rattée.  
*Business Manager*..... W. M. Farrer.

## Societies.

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## The Sodales Debating Club.

The Sodales Debating Club meets fortnightly dur-  
ing the session, subjects of general interest being dis-  
cussed.

*President*..... N. M. Rattée.  
*Vice-President*..... F. H. Patterson.  
*Secretary-Treasurer*..... Howard C. Dawson.

## Law Students' Society.

This Society meets at the opening of the session  
for general business, and thereafter at such times as  
the President may deem necessary.

*President*..... G. M. McDade.  
*Vice-President*..... W. M. Farrer.  
*Secretary-Treasurer*..... R. E. Inglis.

## The Mock Parliament.

The Mock Parliament meets every Monday night  
until the Christmas vacation. All students of the Uni-  
versity are welcome, but only students taking Law classes  
are allowed to take part in the debates, which are  
wholly of a political character on current questions.  
Parliamentary procedure is strictly observed.

*Speaker*..... Peter Macaulay.  
*Preier*..... F. H. Patterson.

## Young Men's Christian Association.

Meetings of the Association are held every Satur-  
day evening at the College.

*Honorary President*..... Dr. W. W. Woodbury.  
*President*..... N. L. Chipman.  
*Vice-President*..... C. A. Pugsley.  
*Treasurer*..... R. D. McCleave.  
*Recording Secretary*..... David Livingstone.  
*General Secretary*..... C. G. Mackenzie.

## Young Women's Christian Association.

Meetings of the Association are held every Thurs-  
day afternoon at 5 o'clock.

*President*..... Lois Creighton.  
*Vice-President*..... Marjorie Jardine.  
*Secretary*..... Katharine Tattrie.  
*Treasurer*..... Merle Colpitt.

**The Dalhousie Amateur Athletic Club.**

|                                  |                      |
|----------------------------------|----------------------|
| <i>Honorary President</i> .....  | Dr. A. S. Mackenzie. |
| <i>President</i> .....           | J. S. Fraser.        |
| <i>Vice-President</i> .....      | W. W. Pickup.        |
| <i>Secretary-Treasurer</i> ..... | N. M. Rastee.        |

**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> .....      | Lily I. Bayne. |
| <i>Vice-President</i> ..... | Jean Munro.    |
| <i>Secretary</i> .....      | Jessie Grant.  |

**The Dalhousie Skating Club.**

|                             |                  |
|-----------------------------|------------------|
| <i>President</i> .....      | R. E. Inglis.    |
| <i>Vice-President</i> ..... | Margaret Fraser. |
| <i>Secretary</i> .....      | D. G. MacGregor. |

**Dalhousie Engineering Society.**

|                                  |                |
|----------------------------------|----------------|
| <i>President</i> .....           | F. C. Lantz.   |
| <i>Vice-President</i> .....      | F. G. Hayden.  |
| <i>Secretary-Treasurer</i> ..... | T. H. Dickson. |

**Pawns and Pieces.**

|                        |                  |
|------------------------|------------------|
| <i>President</i> ..... | Prof. MacMechan. |
| <i>Secretary</i> ..... | Henry Dawson.    |

**Arts and Science Students' Society.**

|                             |                 |
|-----------------------------|-----------------|
| <i>President</i> .....      | R. D. MacNutt.  |
| <i>Vice-President</i> ..... | J. McK. Harris. |
| <i>Secretary</i> .....      | R. M. Fielding. |

**Class 1916 Arts.**

|                             |                   |
|-----------------------------|-------------------|
| <i>President</i> .....      | C. F. MacLennan.  |
| <i>Vice-President</i> ..... | Florence Malcolm. |
| <i>Secretary</i> .....      | Henry Dawson.     |
| <i>Treasurer</i> .....      | John Martin.      |

**Class 1917 Arts.**

|                             |                 |
|-----------------------------|-----------------|
| <i>President</i> .....      | C. M. Bayne.    |
| <i>Vice-President</i> ..... | Margaret Smith. |
| <i>Secretary</i> .....      | Hugh C. Frame.  |

**Class 1918 Arts.**

|                             |                  |
|-----------------------------|------------------|
| <i>President</i> .....      | S. I. Robinson.  |
| <i>Vice-President</i> ..... | Eleanor Perry.   |
| <i>Secretary</i> .....      | O. R. Crossell.  |
| <i>Treasurer</i> .....      | Charles Staynor. |

# University Lists.

**DEGREES CONFERRED, SESSION 1914-15.**

Special Convocation, February 26th, 1915.

**Bachelor of Arts.**

|                              |                    |                               |
|------------------------------|--------------------|-------------------------------|
| Archibald, Alexander Daniel  | (in absentia)..... | New Town, Guys. Co.           |
| Campbell, Lawrence Blair     | (in absentia)..... | Halifax.                      |
| Fox, Frank Benbow            | (in absentia)..... | Valley, Col. Co.              |
| Gray, Kenneth Herbert        | .....              | Seafoam, Pic. Co.             |
| Hanna, William Fielding      | .....              | Middle Musquodoboit, Hfx. Co. |
| MacDonald, John              | .....              | Boularderie Head, Vic. Co.    |
| MacLeod, George Daniel       | .....              | Oyster Bed Bridge, P. E. I.   |
| Marchison, John Kenneth      | (in absentia)..... | Grand River, C. B. Shelburne. |
| Nickerson, James Stanley     | .....              | Grand River, Rich. Co.        |
| Paterson, John George Lawson | .....              | Gordon.                       |
| Patterson, Robert Archibald  | (in absentia)..... | Richibucto, N. B.             |
| Smith, Gerald Raymond        | .....              | Leadonsderry, Col. Co.        |

**Convocation, May 8th, 1915.****Master of Arts.**

|  |   |
|--|---|
| Faulkner, Georgene Lillian LeMessurier | —By examination in <i>Shakespeare</i> .           |
| Grant, Frances Haverall                | —By examination in <i>Tennyson</i> .              |
| MacKenzie, Emelyn Laura                | —By examination in <i>History and Economics</i> . |
| Sister Mary Evaristus Moran            | (in absentia)—By Examination in <i>Latin</i> .    |

**Bachelor of Arts.**

|  |       |                        |
|--|-------|------------------------|
| Arthur, Edna Maude                       | ..... | Halifax.               |
| Craig, Jean                              | ..... | Tatamagouche, Col. Co. |
| Creelman, Emma Kathleen                  | ..... | Truro, Col. Co.        |
| Creighton, Edith Murray                  | ..... | Halifax.               |
| Currie Mary Maude (previously conferred) | ..... | Tatamagouche, Col. Co. |
| Hobbs, Alma Grace                        | ..... | Halifax.               |
| MacLean, Christena Myrtle                | ..... | Thorburn, Pic. Co.     |
| MacLeod, Annie May                       | ..... | Pictou.                |
| McPhail, Annie Laurie                    | ..... | Dartmouth.             |
| Smith, Marion Reid                       | ..... | Dartmouth.             |

|   |                          |
|---|--------------------------|
| Blanchard, Henry Hubbard.....   | Ellershouse, Hants Co.   |
| Campbell, George Henderson.....   | Halifax.                 |
| Campbell, Thane Alexander.....  | Summerside, P. E. I.     |
| Daley, Gordon McLaren.....  | Halifax.                 |
| Dawson, James Arthur.....   | McLellan's Brook, P. Co. |
| Dawson, Robert MacGregor.....   | Bridgewater, Lun. Co.    |
| Fraser, William Lawrence.....   | New Glasgow, P. Co.      |
| Harris, William Edwin.....  | Pictou.                  |
| Lawrence, LeRoy Leitchfield.....  | Hantsport, Hants Co.     |
| Leslie, Robert Jamieson.....  | Halifax.                 |
| McInnes, Charles Malcolm.....   | Calgary, Alberta.        |
| MacKenzie, Charles Guy.....   | Charlottetown, P. E. I.  |
| MacKinnon, Murdoch Charles.....   | Canoe Cove, P. E. I.     |
| MacLean, David Edward.....  | Charlottetown, P. E. I.  |
| Moran, Sister Mary Evaristus<br>(ad eundem gradum, in<br>absentia)..... | Rockingham, Hfx. Co.     |
| Porter, William Arthur.....   | Yarmouth.                |
| Withrow, Helena Howe (pre-<br>viously conferred).....                   | Elmsdale, Hants Co.      |
| Zinck, Austin Alvin.....  | East Chester, Lun. Co.   |

**Bachelor of Science.**

|                               |                          |
|-------------------------------|--------------------------|
| Austen, Kenneth John.....     | N. E. Margaree, Inv. Co. |
| Macahair, Kenneth Grant.....  | Sao Fernando, Trinidad.  |
| Vickery, Hubert Bradford..... | Yarmouth.                |

**Bachelor of Laws.**

|  |                             |
|--|-----------------------------|
| Archibald, Maynard Brown.....                            | Manganese Mines, Col. Co.   |
| Barron, John Augustine.....                              | St. John's Newfoundland.    |
| Boylan, Raymond Edward,<br>B. A. (St. F. X.).....        | New Ross, Lun. Co.          |
| Cockburn, George Herbert In-<br>galls (in absentia)..... | St. Andrew's, N. B.         |
| Curry, Nathaniel Rennie (pre-<br>viously conferred)..... | Montreal, P. Q.             |
| Cyr, Arthur Joseph.....                                  | St. Hilaire, N. B.          |
| Dwyer, Daniel Louis, M. A.<br>(St. F. X.).....           | St. Stephen, N. B.          |
| Graham, Frank Dumstone, B. A.                            | Halifax.                    |
| Kemp, Hector Downie.....                                 | St. Peter's, Rich. Co.      |
| Kinsman, William LeRoy, B. A.<br>(Acad.).....            | Truro, Col. Co.             |
| Lane, William Frederik, M. A.<br>(St. F. X.).....        | Bayfield, N. B.             |
| Lewis, George Murray, B. A.                              | Yarmouth.                   |
| MacMillan, John Angus.....                               | East Lake Ainslie, Inv. Co. |
| Macneat, Earle Reynolds, B. A.<br>(U. N. B.).....        | Fredericton, N. B.          |
| Nicholson, James Hume Tur-<br>bull (in absentia).....    | Sydney Mines, C. B. Co.     |
| Phinney, Earle Caleb.....                                | Bear River, Digby Co.       |
| Robichaud, Louis Prudent<br>Alexander, B. A. (St. Jos.)  | Cocagne, N. B.              |
| Swanson, John King, B. A.                                | Kentville, Kings Co.        |
| Tyler, Richard Nicholas, B. A.<br>(Mt. A.).....          | Louisburg, N. S.            |
| Yeoman, Robert Forsyth, B. A.                            | Halifax.                    |

**Doctor of Medicine and Master of Surgery.**

|  |                         |
|--|-------------------------|
| Kilpatrick, Eliza.....                                   | Sydney Mines, C. B. Co. |
| Blackett, Arthur Edwin.....                              | Halifax.                |
| Brean, Joseph Seward.....                                | Sydney, C. B. Co.       |
| Densmore, Fred Thompson.....                             | Noel Shore, Hants Co.   |
| Gittleton, Philip Michael.....                           | Glace Bay, C. B. Co.    |
| Godfrey, Harry Munn.....                                 | Marshfield, P. E. I.    |
| Graham, Judson Vye.....                                  | New Glasgow, P. Co.     |
| Heal, James Gordon Freeman.....                          | Guysborough.            |
| LeBlanc, Joseph Emile, B. A.<br>(Ste. Anne).....         | Church Point, Digby Co. |
| Little, Ferguson Robert (pre-<br>viously conferred)..... | Halifax.                |
| Moore, Hugh Stewart.....                                 | Kentville, Kings Co.    |
| Withrow, Ralph Roscoe.....                               | Elmsdale, Hants Co.     |

**Doctor of Dental Surgery.**

|                                  |                       |
|----------------------------------|-----------------------|
| McLellan, Frederic Fulton, B. A. | Noel Shore, Hants Co. |
| Woodbury, Karl Fairfield.....    | Halifax.              |

**Diploma of Licentiate of Music.**

|  |                           |
|--|---------------------------|
| Blois, Verna Mabel.....                      | Halifax.                  |
| Conely, Jean Alzuma.....                     | Great Salmon River, N. B. |
| Iagls, Constance.....                        | Halifax.                  |
| Stewart, Evelyn Jean (in ab-<br>sentia)..... | Bridgewater, Lun. Co.     |

## HONOURS, PRIZES AND MEDALS.

## Diploma of Honour.

**Chemistry and Chemical Physics**—*High Honours*—Hubert Bradford Vickery.

## Diplomas of General Distinction.

*Great Distinction*—Thane Alexander Campbell, David Edward MacLean, James Arthur Dawson.

*Distinction*—William Edwin Harris, Charles Malcolm McLeans, LeRoy Leitchfield Lawrence.

## Graduate Prizes and Medals.

**Avery Prize**—Thane Alexander Campbell.

**Rhodes Scholarship**—Harry Austin McCleave.

**University Medal, Faculty of Medicine**—Judson Vye Graham.

## Undergraduate Prizes and Scholarships.

## Junior Entrance Scholarships:

**MacKenzie Bursary**—John Burgess Calkin Carson.

**Sir Wm. Young Scholarships**—Fulton Henry Anderson, (Prince of Wales College); Douglas Harold Hight, (Picton Academy); Harry Ritchie Chipman, (Halifax Academy); William Harold McCurdy, (Truro Academy); Jessie Henderson Higgs, (New Glasgow High School); Warren Maddin, (Sydney Academy); Joan Lindsay Ross, (Lunenburg Academy).

## Special Prizes:

**Waverley Prize** (Mathematics)—Merle Perry Colpitt.

**Studley Quoit Club Prize** (Latin 2 and Greek 2)—Everett Scott Fraser.

**Jotham Blanchard Bursary** (Highest standing in the first year Arts)—Harry Ritchie Chipman.

**Dr. Lindsay Prize** (2nd Prof. Med. Examination)—Donald John MacKenzie.

**Practical Histology Prize** (Presented by Dr. D. Fraser Harris)—Charles Grant Hain.

**Maritime Dental Supply Co. Prize** (Highest standing in 1st year Dental subjects)—Victor Densmore Crowe.

**National Drug Co. Gold Medal** (Highest standing in Pharmacy Course)—Henry Dennis Madden.

**N. S. College of Pharmacy Silver Medal** (Highest standing in Practical Pharmacy and Dispensing)—Samuel Rosborough Balcom.

## ENTRANCE STANDING

## IN FACULTY OF ARTS AND SCIENCE.

Standing Granted to Students Entering in 1914.

## MATRICULATION.

## Undergraduate Standing.

Anderson, F. H.; Bayne, B. E.; Beairne, A. Luella; Carson, J. B. C.; Chipman, H. R.; Cho, H. Y.; Craigie, J. H.; Creighton, H. T.; Crowell, O. R.; Dickson, T. H.; Fiedling, R. M.; Fraser, A. Gwendolyn S.; Fraser, Annie I.; Hallett, E. J.; Hanright, R. C.; Hight, D. H.; Higgs, Jessie H.; Lockerby, J. E.; McCleave, R. D.; McClelland, W. R.; McCurdy, W. H.; Macdonald, Sara E. G.; MacLean, B. V.; McLean, H. S.; Maddin, Warren; Mooney, F. D.; Moore, F. L.; Nicholson, S. Dorothy; Parker, Edith H.; Ross, A. D.; Ross, Jean L.; Saunders, C. Beryl; Smith, Clara M.; Wambolt, Winnifred B.; Wootten, A. G.

## Matriculant Standing in Subjects Named.

Arthur, H. F.—Latin, English, Mathematics.  
 Bowers, C. F.—English, History, Geometry.  
 Buchanan, J. M.—English, History, Geometry.  
 Cameron, Jean F.—English, French, Mathematics.  
 Cameron, W. R.—Latin, English, History, Mathematics.  
 Campbell, H. Jessie.—Latin, Greek, English, History, Algebra.  
 Day, Kathleen M.—Latin, French, German, English, History, Geometry.  
 Fisher, F. L.—English, Mathematics.  
 Grierson, V. A.—English, Mathematics.  
 Harper, E. Grace.—Latin, English, History, Mathematics.  
 Harris, J. T. McK.—French, English, History, Mathematics.  
 Harrison, L. L.—English, History, Mathematics.  
 Hirtle, R. J. E.—English, History, Mathematics.  
 Hyde, C.—French, English, History, Algebra.  
 Keshen, S. H.—French, English, History, Mathematics.  
 Lewis, P. C.—Latin, English, History, Mathematics.  
 McColl, Norma M.—French, English, History, Algebra.  
 Macdonald, May.—Latin, French, English, History.  
 McInnes, R.—French, English, History, Mathematics.  
 MacKenzie, Arabella C.—English, History, Mathematics.  
 McLean, J. A.—Latin, French, English, History.  
 MacLeod, J. O.—English, History, Mathematics.  
 MacMillan, C. W.—Latin, English, History, Mathematics.  
 Mason, G. M.—French, English, History, Mathematics.  
 Merrick, J. R.—English, Mathematics.  
 Moore, B. D.—Latin, English, History, Geometry.  
 Morrison, Margaret D.—Latin, French, English, History, Geometry.  
 Mossley, H. A.—English, History, Mathematics.  
 Munro, Jean M.—Latin, French, English, Algebra.  
 Patterson, F. H.—Latin, English, Algebra.  
 Perry, Marie E.—French, English, History, Mathematics.  
 Porter, Annie D.—Latin, French, English, Mathematics.

Robinson, S. I.—English, History, Mathematics.  
 Russell, J. D.—English, History, Geometry.  
 Stalling, Mary M.—Latin, Greek, German, English, History.  
 Tattrie, A. Katharine.—English, Mathematics.  
 Young, Julia F.—French, English, History, Mathematics.

#### Special Students.

Anderson, Annie A.; Anderson, C. A.; Bell, H. B.; Buckley, A. F. H.; Dickey, H. B.; Forsyth, W. E.; Freeman, Mary F.; Hemphill, Abbie A.; Jost, Florence M.; Knight, H. S.; Kyle, G. R.; Livingstone, D.; MacInnes, J. K.; MacKenzie, Jean E.; MacLean, Lillian; Milligan, John; Mitchell, Lillie F. J.; Peart, W. K.; Pentz, L. T.; Robertson, J. G. A.; Ross, B.; Burns; Scott, G.; Shreve, C. D.; Simpson, E.; Stayner, C. StC.; Turnbull, A. A.; Walsh, F. E.; Webber, H. L.; Whelpley, T. H.

#### ADVANCED STANDING.

##### Credits for Undergraduate Standing.

Anderson, F. H.—Latin 1, Greek 1, English 1, Mathematics 1, Chemistry 1.  
 Carson, J. B. C.—Latin 1, English 1, Mathematics 1.  
 Creighton, H. T.—Latin 1, French 1, Mathematics 1.  
 Day, Kathleen M.—Latin 1, French 1, German 1.  
 Dickson, T. H.—Latin 1, French 1, English 1, Mathematics 1.  
 Fielding, K. M.—French 1.  
 Fraser, Annie L.—Latin 1, French 1, English 1, Mathematics 1.  
 Hanright, R. C.—English 1, Mathematics 1.  
 Higbee, D. H.—French 1, English 1, Mathematics 1.  
 Lewis F. C.—Latin 1, English 1, Mathematics 1.  
 Lockery, J. E.—English 1, Physics 1.  
 McCleave, R. D.—Latin 1, German 1, English 1, Mathematics 1.  
 McCurdy, W. H.—Latin 1, French 1, English 1, Mathematics 1.  
 McInnes, R.—French 1, English 1, Mathematics 1.  
 MacLean, B. V.—French 1, English 1.  
 McLean, H. S.—German 1, English 1, Mathematics 1.  
 MacLeod, J. O.—English 1, Mathematics 1.  
 MacMillan, C. W.—English 1, Mathematics 1.  
 Maddin, Warren.—French 1, English 1.  
 Mason, G. M.—French 1, English 1.  
 Moore, F. L.—Latin 1, German 1, English 1.  
 Nicholson, S. Dorothy.—Latin 1, French 1 and 2, English 1 and 2, Mathematics 1, Chemistry 1, Biology 1.  
 Parker, Edith H.—Latin 1, French 1, English 1, Mathematics 1, Physics 1.  
 Ross, A. D.—German 1, English 1, Mathematics 1.  
 Saunders, C. Beryl.—Latin 1, French 1, English 1, Mathematics 1.  
 Smith, Clara M.—German 1, English 1, Mathematics 1.  
 Wambolt, Winnifred B.—Mathematics 1.  
 Wooten, A. G.—French 1, English 1, Mathematics 1, Chemistry 1, Mathematics 3, Drawing 1.

## EXAMINATIONS, 1914-15.

### FACULTY OF ARTS AND SCIENCE.

#### MATRICULATION EXAMINATION.

##### Distinctions—Names in Order of Merit.

Class I.—Carson, J. B. C. (Mackenzie Bursary); Crowell, O. R.

##### Passed—Names in Alphabetical Order.

**Latin.**—Arthur, H. F.; Bayne, B. E.; Cameron, W. R.; Carson, J. B. C.; Crowell, O. R.; Fraser, A. Gwendolyn S.; McLellan, A. J.; McClelland, W. R.; Mastr, Jean M.; Porter, Annie D.; Smith, Clara M.

**French.**—Carson, J. B. C.; Crowell, O. R.; Ferguson, Elizabeth C.; Grant, Jessie G.; Harris, J. T. M.; Mackenzie, D. A.; Matheson, H. A.; Mooney, F. D.; Palmer, Gertrude L.; Perry, Marie E.

**German.**—Dawson, J. A.; Mitchell, J. H.

**English.**—Arthur, H. F.; Bowes, C. F.; Cameron, W. R.; Campbell, H. Jessie; Carson, J. B. C.; Crowell, O. R.; Dickey, H. B.; Fisher, F. L.; Fraser, A. Gwendolyn S.; Freeman, Mary P.; Grierson, V. A.; Hallett, E. J.; Harrison, L. L.; Hirtle, R. J. E.; Keshen, S. H.; McColl, Norma M.; Mackenzie, Arrabelle C.; McLean, J. A.; McLeod, D. F.; Maxwell, E.; Merrick, J. R.; Mitton, R. D.; Mooney, F. D.; Moseley, H. A.; Munro, Jean M.; Nichols, E.; Paint, H. M.; Perry, Marie E.; Russell, J. D.; Simpson, E.; Stayner, C. StC.; Tattrie, A. Katharine; Turnbull, A. A.; Wambolt, Winnifred B.; Webber, H. L.

**History and Geography.**—Bowes, C. F.; Buckley, A. F. H.; Carson, J. B. C.; Crowell, O. R.; Dodwell, E. L.; Livingstone, D.; Mackenzie, Arrabelle C.; Mitton, R. D.; Nichols, E.; Paint, H. M.; Russell, J. D.; Stayner, C. StC.

**Geometry and Trigonometry.**—Arthur, H. F.; Bowes, C. F.; Buckley, A. F. H.; Cameron, Jean F.; Carson, J. B. C.; Crowell, O. R.; Dodwell, E. L.; Fisher, F. L.; Grierson, V. A.; Harrison, L. L.; Jardine, Marjorie D.; McCurdy, Isabel G.; Mackenzie, Arrabelle C.; Mason, G. M.; Miller, H. H.; Mooney, F. D.; Paint, H. M.; Perry, Marie E.; Russell, J. D.; Simpson, E.; Tweedie, W. J. V.

**Algebra and Arithmetic.**—Arthur, Edna M.; Buckley, A. F. H.; Cameron, Jean F.; Campbell, H. Jessie; Carson, J. B. C.; Crowell, O. R.; Dodwell, E. L.; Fisher, F. L.; Grierson, V. A.; Hallett, E. J.; Harrison, L. L.; McCurdy, Isabel G.; Mackenzie, Arrabelle C.; Mason, G. M.; Miller, H. H.; Mooney, F. D.; Munro, Jean M.; Paint, H. M.; Patterson, F. H.; Pentz, L. T.; Perry, Marie E.; Rutledge, J. E.; Shreve, C. D.; Tattrie, A. Katharine.

#### SUPPLEMENTARY AND SPECIAL EXAMINATIONS.

##### Names in Alphabetical Order.

Latin 1.—McCleave, R. D.; Piers, Judith F.; Saunders, Beryl.

- Latin 2.**—Arthur, Edna; Craig, Jean; Currie, Mary M.; Hawkins, R. C. G.
- Latin 3.**—Fraser, W. L.
- Latin 4.**—Colquhoun, Catherine C.; Currie, Mary M.; Gray, K. H.; Harris, W. E.; Porter, W. A.
- Greek 2.**—Fox, F. B.
- French Matriculation.**—Buckley, A. F. H.; Robertson, J. G. A.
- French 1.**—Creighton, H. T.; Hawkins, R. C. G.; Matheson, H. A.; O'Leary, Kathleen.
- French 2.**—Carrie, Mary M.; Gillies, Emma C.; Gray, K. H.; Whyte, Juanita M.
- French 4.**—Porter, Williamina J.
- German 1.**—Mahabir, K. G.
- German 3.**—Harris, W. E.
- English Matriculation.**—Hemphill, Abbie A.; Robertson, J. G. A.
- English 1.**—Dickson, T. H.; Fielding, R. M.; McInnes, Russell; McLean, H. S.; MacMillan, C. W.; O'Leary, Kathleen; Ryan, J. H.
- English 2.**—Whitman, P. L.
- English 4.**—Porter, Williamina J.
- English 5.**—Gray, K. H.; MacKenzie, C. G.
- Biblical Literature.**—Leslie, R. J.; MacKenzie, C. G.; McPhail, Annie L.; Porter, W. A.; Raynor, H. S.
- History 1.**—Fraser, Ella C.; Grant, Jennie G.; McPhail, Annie L.; Porter, Williamina J.
- History 2.**—Ferguson, Elizabeth C.
- History 3.**—Bayne, Lily I.; Colquhoun, Catherine C.; Gray, K. H.; Henry, E. Blanche; Morrison, Kate.
- Economics 1.**—MacKenzie, C. G.; McPhail, Annie L.; Malcolm, Florence P.; Murray, George; Power, M. Louise.
- Economics 2.**—Gray, K. H.; Withrow, Helena H.
- Philosophy 1.**—Bayne, Lily I.; Creighton, Lois; Fraser, W. L.; Hawkins, R. C. G.
- Philosophy 3.**—MacKenzie, C. G.
- Mathematics Matriculation.—Geometry and Trigonometry.**—Anderson, Annie A.; Campbell, Katherine I.; Day, Kathleen M.; Livingstone, David; McColl, Norma M.; Munro, Jean M.; Stayner, C. St. C.; Webber, H. L.
- Mathematics 1.**—Creighton, H. T.; Crosby, C. H.; Fraser, Annie L.; Hayden, F. G.; MacMillan, C. W.
- Mathematics 4.**—Hayes, J. B.; Cooke, N. L.
- Physics 1A.**—Harris, W. E.
- Physics 4.**—Harris, W. E.; Smith, E. E.
- Mechanics.**—Harris, W. E.
- Chemistry 1.**—Power, M. Louise; Wolfe, Janet B.
- Chemistry 3.**—Hawkins, R. C. G.
- Chemistry 4.**—Mussgrave, W. B.
- Biology 1.**—Hawkins, R. C. G.; Reinhardt, Ethel B.
- Biology 4.**—Morrison, Kate.
- Anatomy 1.**—Reinhardt, Ethel B.
- Physiology 1.**—Morrison, Kate.

## 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.

## Elementary Latin.

*Class II.*—Robertson, J. G. A.

*Passed.*—Anderson, Annie A.; Buckley, A. F. H.; Dickey, H. B.; Highet, D. H.; Johnston, M. F.; Keshen, S. H.; Livingstone, D.; MacLeod, Jessie; MacLeod, J. O.; Merrick, J. R.; Tattre, A. Katharine.

## Latin I.

*Class II.*—Crowell, O. R.; Campbell, H. Jessie.

*Passed.*—Bayne, C. M.; Bearsto, A. Luella; Chipman, H. R.; Fielding, R. M.; Fraser, A. Gwendolyn S.; Harrington, R. C.; Jardine, Marjorie D.; Macdonald, Elizabeth G.; MacKenzie, D. A.; McLean, J. A.; Ross, Jean L.; Smith, Clara M.; Wambolt, W. Blanche.

## Latin 2.

*Class I.*—Colpitt, Merle P.; (McCleave, R. D.; Mitchell, J. H.); Frame, H. C.; Fraser, E. S.; Knight, H. S.

*Class II.*—McGrath, Mona R.; Martin, J. P.

*Passed.*—Anderson, F. H.; Carson, J. B. C.; Clemen, Olga A.; Creighton, H. T.; Fraser, Annie I.; Fraser, Ella C.; Fraser, J. S.; Gillies, Emma C.; Grant, Jennie G.; Hagen, Jessie H.; Linton, H. M.; MacGregor, D. G.; Melvin, A. G.; Parker, Edith H.; Saunders, C. Beryl; Wolfe, Janet B.

## Latin 3.

*Class I.*—\*MacLean, D. E.; \*Campbell, T. A.; \*Nicholson, J. A.; Montgomery, Edith M.; Fraser, Margaret C.

*Passed.*—Arthur, Edna M.; Bayne, Lily I.; Chipman, N. L.; Craig, Jean; Creelman, Emma Kathleen; Creighton, Edith M.; Creighton, Lois S.; Dawson, M. H.; Hoben, A. Grace; Holland, C. W.; Leslie, R. J.; MacKay, Malde C.; MacLean, C. Myrtle; McPhail, Annie L.; Malcolm, Florence P.; Marshall, D. F.; Metherall, Isabel M.; Power, M. Louise; Ross, Mary A.; Rutledge, J. E.; Salter, F. M.; Webster, G. E.; Whyte, Juanita M.

## Elementary Greek.

*Passed.*—MacLennan, C. F.; Milligan, J.

## Greek I.

*Passed.*—Campbell, H. Jessie; Milne, E. H.; Pugsley, C. A.

## Greek 2.

*Class I.*—Fraser, E. S.

*Class II.*—Frame, H. C.

*Passed.*—Anderson, F. H.; Methrall, Isabel M.; Zinck, A. A.

## Greek 3.

*Class I.*—\*Campbell, T. A.; Nicholson, J. A.; McCleave, H. A.

*Passed.*—Hall, Agnes F.; Malcolm, Florence P.; Melvin, A. G.

## Elementary German.

*Passed.*—Anderson, Annie A.; Hirtle, R. J. E.; McColl, Norma M.; MacLeod, Jessie; Parker, Edith H.; Wood, W. A.

## German 1.

*Class I.*—(Dawson, J. A.; Mitchell, J. H.)

*Class II.*—Jost, Florence M.; Clemens, Olga A.

*Passed.*—Crowell, Evelyn M.; McCurdy, Isabel G.; Smith, E. S.

## German 4.

*Class I.*—McCleave, R. D.

*Class II.*—Mahabir, K. G.; Croftman, Emma K.

*Passed.*—Brookfield, G. P.; Fraser, Margaret C.; Hipson, Jennie H.; MacKay, Mable C.; McLean, H. S.; MacLeod, Annie M.; Salter, G. M.; Smith, Clara M.; Vickery, H. B.; Zinck, A. A.

## French 1.

*Class II.*—Chipman, H. R.; Ross, Jean L.; Carson, J. B. C.;

*Passed.*—Beairisto, A. Luella; Fraser, A. Gwendolyn S.; Grant, Jennie G.; Hallett, E. J.; Harris, J. M.; McColl, Norma M.; MacKenzie, D. A.; McLean, J. A.; Mooney, F. D.; Munro, Jean M.; Palmer, Gertrude L.; Perry, M. Eleanor; Walsh, F. E.; Wambolt, W. Blanche.

## French 3.

*Class I.*—Mitchell, J. H.; Jost, Florence M.; Colpitt, Merle P.

*Class II.*—Linton, H. M.

*Passed.*—Austin, K. J.; Campbell, R. F. B.; Clemens, Olga A.; Creighton, H. T.; Crowell, O. R.; Day, Kathleen M.; Fraser, Annie L.; Fraser, Ella C.; Hight, D. H.; Hoben, A. Lou; Jardine, Marjorie D.; McCleave, H. A.; McCurdy, Isabel G.; Macdonald, May; MacGrath, Mona R.; MacGregor, D. G.; Maddin, Warren; Mason, G. M.; Morrison, Kate; Parker, Edith H.; Raynor, H. S.; Rutledge, J. E.; Saunders, C. Beryl; Whitman, P. L.; Wolfe, Janet B.

## French 4.

*Class I.*—\*McInnes, C. M.; \*MacLean, D. E.; Fraser, Margaret C.; Webster, G. E.

*Class II.*—(Harris, W. E.; Montgomery, Edith M.)

*Passed.*—Arthur, Edna M.; Bayne, Lily L.; Brookfield, G. P.; Chipman, N. L.; Colquhoun, Catherine C.; Creelman, Emma K.; Creighton, Edith M.; Holland, C. W.; Leslie, R. J.; McPhail, Annie L.; Marshall, D. F.; Martin, J. P.; Piers, Judith F.

## English 1.

*Class I.*—Crowell, O. R.; Robertson, J. G. A.; Stalling, M. Marjorie; Ross, Jean L.

*Class II.*—Chipman, H. R.; Harris, J. McK.; (Campbell, H. Jessie; Morrison, Margaret D.; Macdonald, S. Elizabeth G.)

*Passed.*—Anderson, Annie A.; Anderson, C. A.; Arthur, H. F.; Bayne, B. E.; Beairisto, A. Luella; Bowes, C. F.; Cameron, Jean F.; Cameron, W. R.; Creighton, H. T.; Fraser, Anna Gwendolyn; Freeman, Mary P.; Hallett, E. J.; Harrison, L. L.; Hemphill, Abbie A.; Hirtle, R. J. E.; Hoben, A. Lou; Keshen, S. H.; Lewis, H. J.; McClelland, W. R.; McColl, Norma M.; Mackenzie, Arrabelle C.; McLean, J. A.; MacLean, Lillian; Milligan, John; Mooney, F. D.; Moore, B. D.; Munro, Jean M.; Perry, M. Eleanor; Robinson, S. L.; Ross, B. Burne; Stayner, C. S. C.; Tattler, A. Katharine; Turnbull, A. A.; Wambolt, W. Blanche.

## English 2.

*Class I.*—McCleave, R. D.; Jardine, Marjorie D.; Mitchell, J. H.; Macdonald, May; MacLean, B. V.

*Class II.*—(Frame, H. C.; Hight, D. H.)

*Passed.*—Anderson, F. H.; Bayne, C. M.; Campbell, R. F. B.; Carson, J. B. C.; Colpitt, Merle P.; Crowell, Evelyn M.; Day, Kathleen M.; Dickson, T. H.; Ferguson, Elizabeth C.; Fraser, Annie L.; Fraser, Ella C.; Grant, Jennie G.; Haanright, R. C.; Hipson, Jennie H.; Holmes, G. R.; Lantz, F. C.; Lewis, P. C.; Linton, H. M.; McCurdy, W. H.; McCurdy, Isabel G.; MacGrath, Mona R.; MacKenzie, D. A.; McLean, H. S.; MacLennan, C. F.; MacLeod, J. G.; Maddin, Warren; Parker, Edith H.; Saunders, C. Beryl; Smith, Clara M.; Smith, E. E.; Whyte, Juanita M.; Wolfe, Janet B.; Wootton, A. G.

## English 3.

*Class I.*—Hall, Bessie L.; McCleave, H. A.

*Class II.*—Melvin, A. G.; Hoben, A. Grace (without additional work).

*Passed.*—Arthur, Edna M.; Bayne, Lily L.; Harris, W. E.; Marshall, D. F.; Nicholson, S. Dorothy; Piers, Judith F.; Pugsley, C. A.; Ross, Mary A.; Smith, Marion R.; Webster, G. E.



## English 4.

*Class II.*—(Without thesis) Creighton, Lois S.; (Craig, Jean; Salter, F. M.).

*Passed.*—Appleby, Nema; Arthur, Edna M.; Austen, K. J.; Bayne, Lily I.; Brookfield, G. P.; Chipman, N. L.; Creighton, Edith M.; Creelman, Emma K.; Crosby, C. H.; Fraser, J. S.; Hoben, A. Grace; Holland, C. W.; Lawrence, L. L.; MacKay, Mable C.; MacKinnon, M. C.; MacLean, C. Myrtle; MacLeod, Annie M.; McPhail, Annie L.; Maholis, Florence P.; Martin, J. P.; Melvin, A. G.; Metherell, Isabel M.; Nicholson, S. Dorothy; Palmer, Gertrude L.; Piers, Judith F.; Power, M. Louise; Raynor, H. S.; Ross, Mary A.; Rutledge, J. E.

## Biblical Literature.

*Class II.*—(Hight, D. H.; Zinck, A. A.); Wood, W. A.; Fraser, Margaret C.; (Gram, Jennie G.; Scott, George); Day, Kathleen M.; Whyte, Juanita M.

*Passed.*—Clemens, Olga A.; Creighton, Edith M.; Gillies, Emma C.; MacLennan, C. F.; Morrison, Margaret D.; Porter, Williamina J.; Salter, F. M.; Milligan, John; MacKay, Mable C.

## History 1.

*Class I.*—McCleave, H. A.; Dawson, M. H.

*Class II.*—Harris, W. E.; Nicholson, J. A.

*Passed.*—Austen, K. J.; Bairson, A. Luella; Campbell, R. F. B.; Creighton, Lois S.; Dawson, R. MacG.; Geddes, W.; Haight, R. C.; Harris, J. McK.; Hoben, A. Grace; Holland, C. W.; Leslie, R. J.; MacKay, Mable C.; McLean, H. S.; MacLennan, C. F.; Marshall, D. F.; Metherell, Isabel M.; Moore, B. D.; Nicholson, S. Dorothy; Webster, G. E.; Whyte, Juanita M.

## History 2.

*Class I.*—MacLean, D. E.; McInnes, C. M.; Campbell, T. A.

*Class II.*—Daley, G. M.

*Passed.*—Blanchard, H. H.; Brookfield, G. P.; Creighton, Edith M.; Fielding, R. M.; Hight, D. H.; MacLeod, Annie M.; MacLeod, Jessie; MacNutt, R. D.; Martin, J. P.; Morrison, Katie; Zinck, A. A.

## History 5.

*Class I.*—Hall, Bessie L.; McLane, C. M.

*Class II.*—MacLean, C. Myrtle; Pugsley, C. A.

*Passed.*—Craig, Jean; Leslie, R. J.; Power, M. Louise.

## Economics 1.

*Class I.*—Dawson, J. A.; Dawson, M. H.; Dawson, H. C.; Frame, H. C.; MacLennan, C. F.

*Class II.*—Smith, E. E.; Montgomery, Edith M.

*Passed.*—Anderson, F. H.; Austen, K. J.; Buckley, A. F. H.; Creighton, Lois C.; Crosby, C. H.; Fielding, R. M.; Geddes, W.; Holland, C. W.; Kyle, G. R.; MacKenzie, D. A.; MacLean, C. Myrtle; Palmer, Gertrude L.; Piers, Judith F.; Pugsley, C. A.; Raynor, H. S.; Webster, G. E.

## Economics 2.

*Class I.*—McInnes, C. M.; Dawson, R. MacG.; McCleave, H. A.

*Class II.*—MacNutt, R. D.; Daley, G. M.

*Passed.*—Blanchard, H. H.; Chipman, N. L.; Leslie, R. J.; Porter, W. A.; Smith, Marion R.; Zinck, A. A.

## Philosophy 1.

*Class I.*—McCleave, R. D.; McCleave, H. A.

*Class II.*—Nicholson, S. Dorothy.

*Passed.*—Anderson, F. H.; Bayne, C. M.; Dawson, R. MacG.; Fraser, Annie I.; Fraser, Ella C.; Fraser, E. S.; Hall, Agnes F.; Harris, W. E.; Higon, Jessie H.; Jardine, Margerie D.; Lewis, P. C.; Linton, H. M.; McGrath, Mona R.; MacGregor, D. G.; McLean, H. S.; MacLean, B. V.; MacLennan, C. F.; MacLeod, Annie M.; MacLeod, Jessie; Melvin, A. G.; Mitchell, J. H.; Parker, Edith H.; Smith, Clara M.; Smith, E. E.; Wood, W. A.

## Philosophy 5.

*Class I.*—Campbell, T. A.; Hall, Bessie L.

*Class II.*—Fraser, Margaret C.

*Passed.*—Blanchard, H. H.; Geddes, W.; MacKenzie, C. G.; Morrison, Katie; Porter, Williamina J.; Porter, W. A.; Pugsley, C. A.; Reinhardt, Ethel B.; Smith, Marion R.; Stewart, J. McK.; Zinck, A. A.

## Philosophy 6.

*Class I.*—Campbell, T. A.

*Passed.*—Dawson, M. H.; Hall, Bessie L.; Leslie, R. J.; MacLean, D. E.; Marshall, D. F.

## Philosophy 7.

*Class II.*—Hall, Bessie L.; MacKenzie, C. G.

*Passed.*—Hoben, A. Grace; Leslie, R. J.; MacKinnon, M. C.

## Mathematics 1.

*Class I.*—Crowell, O. R.; Harris, J. M.; Chipman, H. R.

*Class II.*—Taitrie, A. Katharine; Turnbull, A. A.

*Passed.*—Arthur, Edna M.; Buckley, A. F. H.; Clemens, Olga A.; Colquhoun, Catherine C.; Fraser, A. Goodoliva, S.; Hirtle, R. J. E.; McClelland, W. R.; MacKenzie, Arabella, C.; Mason, G. M.; Melvin, A. G.; Mooney, F. D.; Perry, M. Eleanor; Robinson, S. I.; Ross, Jean L.; Rutledge, J. E.

## Mathematics 3.

*Class I.*—Fraser, H. C.; Colpitt, Merle P.; Carson, J. B. C.; MacGregor, D. G.; McCurdy, W. H.

*Class II.*—Hanright, R. C.; Archibald, G. E.

*Passed.*—Brookfield, G. P.; Crosby, C. H.; Fraser, Ella C.; Grant, Jennie G.; Hight, D. H.; Holmes, G. R.; Lantz, F. C.; MacAloney, R. G.; MacLeod, J. O.; McPhail, Annie L.

#### Mathematics 4.

*Class I.*—\*Colpitt, Merle P.; Colquhoun, D. A.; Fraser, W. L.; Theakston, H. R.

*Class II.*—Palmer, Gertrude L.; Musgrave, W. B.; MacGregor, D. G.

*Passed.*—Archibald, G. E.; Dawson, M. H.; MacMillan, M. J.; McPhail, Annie L.; Mooney, R. B.

#### Mechanics.

*Class I.*—Colpitt, Merle P.

*Class II.*—Carson, J. B.; Evans, C. A.

*Class II.*—(Engineering) McCurdy, W. H.

*Passed.*—Brookfield, G. P.; Hanright, R. C.; Lantz, F. C.; MacAloney, R. G.; Marshall, D. F.

#### Physics 1.

*Class II.*—Palmer, Gertrude L.

*Passed.*—Porter, Williamina J.; Ross, Mary A.; Whyte, Juanita M.

#### Physics 1B.

*Class I.*—Dawson, J. A.; McCleave, H. A.

*Passed.*—Campbell, R. F. B.; Fisher, F. L.; Grierson, V. A.; Keshen, S. H.; Mason, G. M.

#### Physics 1A.

*Class I.*—MacGregor, D. G.

*Class II.*—(Engineering) Ryan, J. H.

*Passed.*—Archibald, G. E.; Colquhoun, D. A. Y.; Evans, C. A.; Fraser, W. L.; MacMillan, M. J.; Mooney, R. B.; Musgrave, W. B.; Theakston, H. R.

#### Physics 6.

*Class II.*—(Engineering) MacGregor, D. G.; Theakston, H. R.; (Colquhoun, D. A. Y.; Ryan, J. H.).

*Passed.*—Fraser, W. L.; MacMillan, M. J.; Musgrave, W. B.

#### Physics 3.

*Class I.*—Vickery, H. B.

#### Physics 7.

*Class II.*—Vickery, H. B.

#### Chemistry 1.

*Passed.*—Bayne, C. M.; Bearfoot, A. Luella; Campbell, Katherine L.; Fielding, R. M.; Fraser, Annie L.; Grierson, V. A.; Harris, J. T. M.; Higson, Jessie H.; Jardine, Marjorie D.; MacKay, Mabel C.; Mackenzie, Arrabelle C.; McLean, H. S.; MacMillan, C. W.; Maddin, Warren; Parker, Edith H.; Rutledge, J. E.; Smith, Clara M.; Walsh, F. E.

#### Chemistry 1A.

*Class I.*—\*McCleave, R. D.; \*Harris, W. E.; Chipman, H. R.; Carson, J. B. C.

*Class II.*—Dickson, T. H.; Fisher, F. L.; Lewis, P. C.; Holmuck, G. R.; McCurdy, W. H.; (Cruwell, O. R.; MacLeod, J. O.); (Keshen, S. H.; Ross, Jean L.); Bayne, B. E.; Robinson, S. I.

*Passed.*—Hallett, E. J.; Hanright, R. C.; Mason, G. M.

#### Chemistry 4.

*Class II.*—Archibald, G. E.; (MacMillan, M. J.; Theakston, H. R.).

*Passed.*—Colquhoun, D. A. Y.; Fraser, W. L.; Hayden, F. G.; Lantz, F. C.

#### Chemistry 9. (Food Analysis.)

*Class I.*—Vickery, H. B.

#### Geology 1.

*Class I.*—\*Dawson, J. A.; MacNutt, R. D.; Pugsley, C. A.; Fraser, Margaret C.

*Class II.*—Zinck, A. A.; MacLean, C. Myrtle; MacLeod, Annie M.

*Passed.*—Bayne, Lily I.; Campbell, Katherine L.; Craig, Jean; Fielding, R. M.; McLane, C. M.; Montgomery, Edith M.; Porter, Williamina J.; Power, Mary L.; Rutledge, J. E.; Stewart, J. McK.; Whitman, P. L.

#### Geology 1A.

*Class II.*—Ryan, J. H.; Dickson, T. H.; McCurdy, W. H.; MacKenzie, D. A.; Bayne, B. E.

*Passed.*—Arthur, H. F.; Hallett, E. J.; Mooney, F. D.; Wootten, A. G.

#### Geology 3.

*Passed.*—Ferguson, Elizabeth C.

#### Biology 1.

*Class I.*—Lawrence, L. L.; Dawson, M. H.

*Passed.*—Creighton, Lois S.; Day, Kathleen M.; Fraser, Annie L.; Hall, Agnes F.; Holland, C. W.; Macdonald, May; MacLeod, J. O.; McPhail, Annie L.; Maddin, Warren; Malcolm,

Florence P.; Martin, J. P.; Mason, G. M.; Metherall, Isabel M.;  
 Mitchell, Lilla F.; Morrison, L. N.; Porter, Williamina J.;  
 Salter, F. M.; Whyte, Juanita M.

**Biology 2.**

*Class I.*—Dawson, J. A.

**Biology 3.**

*Class I.*—Dawson, J. A.; Hall, Bessie L.  
*Class II.*—Ferguson, Elizabeth C.  
*Passed.*—MacLean, D. E.; Wood, W. A.

**Graphical Statics.**

*Class II.*—Theakston, H. R.; Mackay, C. A.; MacMillan,  
 M. J.  
*Passed.*—Austin, K. J.; Fraser, W. L.; Mooney, R. B.

**Materials of Construction.**

*Class I.*—Theakston, H. R.; Mooney, R. B.  
*Class II.*—Evans, C. A.; MacMillan, M. J.

**Drawing 2.**

*Class II.*—Holmes, G. R.; Hayden, F. G.  
*Passed.*—Evans, C. A.; Fraser, W. L.; Lantz, F. C.; Ryan,  
 J. H.

**Surveying.**

*Class II.*—Colquhoun, D. A. Y.; Evans, C. A.; (Theakston,  
 H. R.; Lantz, F. C.).

*Passed.*—Fraser, W. L.; Holmes, G. R.; MacMillan, M. J.

**Kinematics of Machines.**

*Class II.*—Colquhoun, D. A. Y.; Evans, C. A.; Theakston,  
 H. R.

*Passed.*—Fraser, W. L.; MacMillan, M. J.; Mooney, R. B.;  
 Musgrave, W. B.

**Drawing 1.**

*Class I.*—Evans, C. A.; Turnbull, A. A.  
*Class II.*—McClelland, W. R.; Stayner, C. St. C.; Dickson,  
 T. H.; Mooney, F. D.  
*Passed.*—Anderson, C. A.; Arthur, H. F.; Bayne, B. E.;  
 Hallett, E. J.; Harrison, L. L.; Ryan, J. H.; Simpson, E.

**Drawing 1A.**

*Class I.*—Dawson, J. A.  
*Class II.*—Hirtle, R. J. E.

## FACULTY OF LAW.

## SUPPLEMENTARY EXAMINATIONS.

*Wills.*—Shean, W. E.  
*Contracts.*—Blauvelt, R. B.; Gray, K. H.  
*Real Property.*—Cyr. A. J.; Nicholson, J. H. T.  
*Evidence 1.*—Stairs, H. M.  
*Evidence 2.*—Curry, N. R.; Ormond, L. E.  
*Sales.*—Graham, R. D.  
*Equity 2.*—Curry, N. R.; Graham, R. D.; Ryan, J. L.  
*Shipping.*—Bell, L. G.  
*Partnership.*—Boylan, R. E.; Lewis, G. M.; MacMillan,  
 J. A.; Robichaud, L. P. A.; Shean, W. E.;  
 Stairs, H. M.

## 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.

## Crimes.

*Class I.*—Isley, J. L.; Inglis, R. E.; Salter, G. M.  
*Class II.*—Dolan, J. R.; Carpenter, G. B.; (Noblett, Wm.;  
 Knight, H. S.); (Livingstone, D.; Dawson, H. C.).

*Passed.*—Allan, S. S.; Conroy, J. N.; Daley, G. M.; Dawson,  
 R. MacG.; Farren, W. M.; Hamilton, K. B.; Macleod, C. T.;  
 Pickup, W. W.; Ruggles, W. T.; Shreve, C. D.; Sifton, L. S.;  
 Sterne, R. C.

## Contracts.

*Class I.*—Inglis, R. E.; Conroy, J. N.; Porter, M. M.  
*Class II.*—Knight, H. S.; Sterne, R. C.; Salter, G. M.;  
 MacNutt, R. D.; Livingstone, David; Shreve, C. D.

*Passed.*—Allan, S. S.; Chipman, N. L.; Dawson, H. C.;  
 Dolan, J. R.; Harley, J. R. H.; Johnstone, M. F.; MacLean, T. G.

## Torts.

*Class I.*—Shreve, C. D.; Conroy, J. N.; Inglis, R. E.  
*Class II.*—(Daley, G. M.; Dawson, R. MacG.); (Dawson,  
 H. C.; Knight, H. S.).

*Passed.*—Allan, S. S.; Drimpey, J. W.; Dolan, J. R.; Fraser,  
 J. S.; Johnstone, M. F.; Macaulay, P.; McLean, T. G.; Macleod,  
 C. T.; Porter, M. M.; Salter, G. M.; Sifton, L. S.; Sterne, R. C.

## Constitutional History.

*Class I.*—McCleave, R. D.; Knight, H. S.; MacNutt, R. D.;  
 Robertson, J. G. A.

*Class II.*—Chipman, N. L.; Carpenter, G. B.; (Allan, S. S.; Livingstone, D.)

*Passed.*—Dawson, H. C.; Dolan, J. R.; Moore, B. D.; Shreve, C. D.; Sifton, L. S.; Sterne, R. C.

#### Real Property.

*Class I.*—Kinsman, W. R.; Dwyer, D. L.; Halsey, J. L.; (McLean, T. M.; Porter, M. M.); Feeney, G. T.; (Allan, S. S.; Tyler, R. N.)

*Class II.*—Barry, C. R.; Inglis, R. E.; Yeoman, R. F.; Doiron, Ernest; (Patterson, F. H.; Salter, G. M.); Daley, G. M.; Shreve, C. D.; Ruggles, W. T.; Carpenter, G. B.

*Passed.*—Boylan, R. E.; Campbell, A. D.; Dawson, H. C.; Farrer, W. M.; Graham, F. D.; Knight, H. S.; Lane, W. F.; Lewis, G. M.; McLean, T. G.; Macleod, C. T.; Pallen, Wesley; Robertson, J. G. A.; Sifton, L. S.; Sterne, R. C.; Swanson, J. K.

#### SECOND YEAR.

##### Constitutional Law.

*Class I.*—Halsey, J. L.; McDade, G. M.; Feeney, G. T.; Ruggles, W. T.; (Barry, C. R.; Titus, L. L.); Salter, G. M.; Dempsey, J. W.

*Class II.*—Patterson, F. H.; Porter, M. M.; Noblett, Wm.; Pickup, W. W.

*Passed.*—Campbell, A. D.; Doiron, Ernest; Farrer, W. M.; Harley, J. R. H.; MacDonnell, A. J.; McLean, T. G.; Pallen, Wesley; Shean, W. E.

##### Evidence 1.

*Class I.*—Porter, M. M.; Daley, G. M.; Halsey, J. L.; Graham, F. D.; (Knight, H. S.; Sterne, R. C.); (Farrer, W. M.; Dolan, J. R.)

*Class II.*—Inglis, R. E.; Pickup, W. W.; (Allan, S. S.; Salter, G. M.); Conroy, J. N.

*Passed.*—Ackhurst, E. V.; Dawson, H. C.; Harley, J. R. H.; Noblett, Wm.; Ruggles, W. T.; Shreve, C. D.; Titus, L. L.

##### Insurance.

*Class I.*—(Barry, C. R.; Halsey, J. L.; McDade, G. M.); Feeney, G. T.; Doiron, E.; McLean, T. M.; (Macaulay, P.; MacDonnell, A. J.)

*Class II.*—Titus, L. L.; Graham, F. D.

*Passed.*—Ackhurst, E. V.; Campbell, A. D.; Dares, R. St. C.; Farrer, W. M.; Harley, J. R. H.; Macleod, C. T.; Noblett, Wm.; Pallen, Wesley; Patterson, F. H.; Pickup, W. W.; Ruggles, W. T.; Shean, W. E.

##### Equity 2.

*Class I.*—Halsey, J. L.; (Dempsey, J. W.; Macnutt, E. R.); Archibald, M. B.; Barron, J. A.; McLean, T. M.; (Feeney, G. T.; Graham, F. D.; Macaulay, P.); Ackhurst, E. V.; (McDade, G. M.; Noblett, Wm.; Patterson, F. H.); Barry, C. R.

*Class II.*—Yeoman, R. F.; (Lane, W. F.; Porter, M. M.; Tyler, R. N.); Doiron, E.; (Robichaud, Louis; Swanson, J. K.); (Kemp, H. D.; Lewis, G. M.); (Bell, L. G.; McLean, T. G.)

*Passed.*—Boylan, R. E.; Campbell, A. D.; Carpenter, G. B.; Cockburn, G. H. I.; Conroy, J. N.; Cyr, A. J.; Dwyer, D. L.; Farrer, W. M.; Kinsman, W. L.; MacDonnell, A. J.; Macleod, C. T.; MacMillan, J. A.; Pallen, Wesley; Pickup, W. W.; Ruggles, W. T.; Shean, W. E.; Sifton, L. S.; Stairs, H. M.; Titus, L. L.; Webber, H. L.

#### THIRD YEAR.

##### Office Practice.

*Class I.*—Yeoman, R. F.; Archibald, M. B.

*Class II.*—Kemp, H. D.; Tyler, R. N.; Swanson, J. K.

*Passed.*—Barron, J. A.; Dwyer, D. L.; Graham, F. D.; Lane, W. F.; Lewis, G. M.; Robichaud, Louis; Stairs, H. M.

##### International Law.

*Class I.*—Macnutt, E. R.; Barron, J. A.; Patterson, F. H.; Graham, F. D.; Doiron, E.; McDade, G. M.; McLean, T. M.; Swanson, J. K.; Titus, L. L.; Robichaud, L.; Boylan, R. E.

*Class II.*—Ackhurst, E. V.; Archibald, M. B.; Yeoman, R. F.; Bell, L. G.; Pallen, W.; Harley, J. R. H.; Lewis, G. M.; Cyr, A. J.

*Passed.*—Cockburn, G. H. I.; Dares, R. St. C.; Kemp, H. D.; Shean, W. E.; Stairs, H. M.; Webber, H. L.

##### Evidence 2.

*Class I.*—(Barron, J. A.; Macnutt, E. R.); (McLean, T. M.; Tyler, R. N.); Barry, C. R.; Robichaud, L.; (Cyr, A. J.; Dempsey, J. W.; Lane, W. F.); Boylan, R. E.; (Doiron, E.; Dwyer, D. L.; Yeoman, R. F.); (Feeney, G. T.; Kinsman, W. L.); Graham, F. D.

*Class II.*—Macaulay, P.; Swanson, J. K.; (Kemp, H. D.; Pallen, W.; Patterson, F. H.)

*Passed.*—Archibald, M. B.; Campbell, A. D.; Cockburn, G. H. I.; Lewis, G. M.

##### Conflicts.

*Class I.*—(Macnutt, E. R.; Barron, J. A.); McLean, T. M.; Archibald, M. B.; Kinsman, W. L.; Graham, F. D.; Robichaud, L.; Kemp, H. D.

*Class II.*—(Tyler, R. N.; Ackhurst, E. V.); Lane, W. F.; Dwyer, D. L.; Macaulay, P.

*Passed.*—Webber, H. L.; Boylan, R. E.; Cyr, A. J.; Cockburn, G. H. I.; Stairs, H. M.; Lewis, G. M.; Macleod, C. T.; Bell, L. G.; Shean, W. E.

##### Procedure.

*Class I.*—(Archibald, M. B.; Barron, J. A.); (Graham, F. D.; Yeoman, R. F.; Dempsey, J. W.; Kinsman, W. L.); (Boylan, R. E.; Dwyer, D. L.); Cyr, A. J.; Tyler, R. N.

*Class II.*—(Kemp, H. D.; Macnutt, E. R.); Shean, W. E.

*Passed.*—Cockburn, G. H. I.; Lane, W. F.; Lewis, G. M.; Robichaud, L.; Swanson, J. K.; Titus, L. L.; Webber, H. L.

#### Sales.

*Class I.*—Hsley, J. L.; Macnutt, E. R.; Dempsey, J. W.; (Barron, J. A.; Feeney, G. T.); McLean, T. M.; Graham, F. D.; Barry, C. R.; Inglis, R. E.; Doiron, E.; Yeoman, R. F.

*Class II.*—Titus, L. L.; McDade, G. M.; (Robichaud, L.; Swanson, J. K.); Cyr, A. J.; (Patterson, F. H.; Tyler, R. N.); Dwyer, D. L.; Conroy, J. N.

*Passed.*—Ackhurst, E. V.; Archibald, M. B.; Bell, L. G.; Boylan, R. E.; Campbell, A. D.; Carpenter, G. B.; Cockburn, G. H. I.; Dares, R. St. C.; Farrer, W. M.; Harley, J. R. H.; Kemp, H. D.; Kinsman, W. L.; Lase, W. F.; Lewis, G. M.; Macaulay, P.; MacDonnell, A. J.; Macleod, C. T.; MacMillan, J. A.; Noblett, Wm.; Pallen, Wesley; Pickup, W. W.; Ruggles, W. T.; Shean, W. E.; Stairs, H. M.

#### Companies.

*Class I.*—Graham, F. D.; Macnutt, E. R.; Barry, C. R.; Hsley, J. L.

*Class II.*—(Macaulay, P.; Feeney, G. T.); Titus, L. L.; Dempsey, J. W.; Campbell, A. D.; Noblett, Wm.; Harley, J. R. H.; Yeoman, R. F.; Webber, H. L.; Cockburn, G. H. I.; MacDonnell, A. J.

*Passed.*—Farrer, W. M.; Macleod, C. T.; Pickup, W. W.; Ruggles, W. T.

#### Partnership.

*Class I.*—Graham, F. D.

*Class II.*—Barry, C. R.; (Feeney, G. T.; Macnutt, E. R.; Robichaud, L.).

*Passed.*—Campbell, A. D.; Cockburn, G. H. I.; Dempsey, J. W.; Harley, J. R. H.; Hsley, J. L.; Macaulay, P.; MacDonnell, A. J.; Macleod, C. T.; MacMillan, J. A.; Noblett, Wm.; Pickup, W. W.; Ruggles, W. T.; Shean, W. E.; Titus, L. L.; Webber, H. L.; Yeoman, R. F.

### FACULTY OF MEDICINE.

#### GENERAL PASS LIST.

Names are in Alphabetical Order.

##### Final Professional.

Blackett, A. E.; Breen, J. S.; Densmore, F. T.; Gittleston, P. M.; Godfrey, H. M.; Graham, J. V.; Heal, J. G. F.; Kilpatrick, Eliza; Le Blanc, J. E.; Little, F. R.\*; Moore, H. S.; Withrow, R. R.

\*Supplementary Exam. September 1914.

#### Fourth Professional.

Blackadar, K. K.; Currie, J. A.; Godfrey, A. T.; Hines, Arthur; Kilpatrick, Eliza\*; Kirkpatrick, H. W.; LeBlanc, J. E.\*; Lyons, J. N.; Meech, L. R.\*; Pennington, Louise A.; Stoddard, R. H.; Whitchose, Samuel.

#### Third Professional.

Campbell, J. G. D.; Lyons, J. N.\*; McDonald, W. M.; McGrath, J. P.; McLaren, P. D.; Mahabir, K. G.; Weir, A. F.; Zwicker, D. W. N.

#### Second Professional.

Blauvelt, H. O.; Drury, David; Francis, O. M.; McCurdy, D. S.\*; MacInnis, D. F.; McKay, J. W.; MacKenzie, D. J.; Thorne, C. W.

#### First Professional.

Bain, C. G.; Baird, K. A.; Burke, John; Drury, David\*; Goadge, Mabel E.; Lawrence, L. L.; Mackay, A. F.; McLeod, F. T.; Murray, Florence; O'Brien, W. C.; Porter, W. A.; Pottier, H. J.; Reinhardt, Ethel B.\*; Trefry, H. S.\*

#### SUPPLEMENTARY EXAMINATIONS.

**Anatomy I.**—Reinhardt, Ethel B.

**Biology I.**—Drury, David.

**Physics 1B.**—Drury, David.

**Histology.**—Trefry, H. S.

**Chemistry 3.**—McCurdy, D. S.; Matheson, Florence E.

**Materia Medica.**—Keith, Claude.

**Pathology.**—Lyons, J. N.

**Surgery 1.**—Lyons, J. N.

**Surgery 2.**—Kilpatrick, Eliza; LeBlanc, J. E.; Meech, L. R.

**Medicine, Final.**—Little, F. R.

#### 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.

##### Histology.

*Distinction.*—Bain, C. G.; Lawrence, L. L.

*Passed.*—Baird, K. A.; Burke, John; Cameron, A. H.; Goadge, Mabel; Mackay, A. F.; McLeod, F. T.; Munro, J. S.; Murray, Florence; O'Brien, W. C.; Porter, W. A.; Pottier, H. J.; Ward, N. C.

##### Physics 1B.

*Passed.*—Anderson, J. W.; Bain, C. G.; Burke, John; Mackay, A. F.; Macleod, M. G.; Munro, J. S.; Murray, Florence.

\*Supplementary Exam. September, 1914.

**Chemistry 1B.**

*Distinction*.—Mackay, A. F.; Smith, C. G.; (Bain, C. G.; McLeod, F. T.).

*Passed*.—Kirwan, P. A.; Macleod, M. G.; Murray, Florence J.; Ward, N. C.

**Anatomy 1.**

*Distinction*.—Lawrence, L. I. (Murray, Florence J.; Porter, W. A.); Bain, C. G.

*Passed*.—Baird, K. A.; Burke, John; Cameron, A. H.; Goudge, Mabel E.; Kirwan, P. A.; McLeod, C.; McLeod, F. T.; Mackay, A. F.; Matheson, H. A.; O'Brien, W. C.; Pottier, H. J.

**Biology 1.**

*Passed*.—Bain, C. G.; Burke, John; Goudge, Mabel E.; Kirwan, P. A.; Mackay, A. F.; McLeod, F. T.; Macleod, M. G.; Malcolm, F. P.; Munro, J. S.; Murray, Florence J.; Pottier, H. J.

**SECOND YEAR.****Chemistry 3.**

*Distinction*.—MacKenzie, D. J.

*Passed*.—Anderson, J. W.; Blauvelt, H. O.; Drury, David; Francis, O. M.; MacInnis, D. F.; McKay, J. W.; Thorne, C. W.

**Physiology 1.**

*Distinction*.—McKay, J. W.; (Blauvelt, H. O.; Mackenzie, D. J.).

*Passed*.—Drury, David; Francis, O. M.; Goudge, Mabel E.; MacInnis, D. F.; Reinhardt, Ethel B.; Thorne, C. W.

**Anatomy 2.**

*Distinction*.—MacKenzie, D. J.; Thorne, C. W.; McKay, J. W.

*Passed*.—Blauvelt, H. O.; Drury, David; Francis, O. M.; MacInnis, D. F.

**THIRD YEAR.****Materia Medica.**

*Distinction*.—McLarren, P. D.; Campbell, J. G. D.; (Mahabir, K. G.; Weir, A. F.).

*Passed*.—Campbell, D. St. C.; Lindsay, R. D.; McCurdy, D. S.; McDonald, W. M.; McGrath, J. P.; Sieniewicz, T.; Turel, S. J.; Zwicker, D. W. N.

**Pathology.**

*Distinction*.—Weir, A. F.; McGrath, J. P.; McLarren, P. D.; Campbell, J. G. D.

*Passed*.—Campbell, D. St. C.; Davies, J. A.; Lindsay, R. D.; McCurdy, D. S.; McDonald, W. M.; Mahabir, K. G.; Sieniewicz, T.; Turel, S. J.; Zwicker, D. W. N.

**Physiology 4.**

*Distinction*.—(Campbell, J. G. D.; McLarren, P. D.); Weir, A. F.; (Davies, J. A.; McCurdy, D. S.).

*Passed*.—Campbell, D. St. C.; Lindsay, R. D.; McDonald, W. M.; McGrath, J. P.; Mahabir, K. G.; Sieniewicz, T.; Turel, S. J.; Zwicker, D. W. N.

**Obstetrics 1.**

*Passed*.—Campbell, J. G. D.; McCurdy, D. S.; McDonald, W. M.; McGrath, J. P.; McLarren, P. D.; Mahabir, K. G.; Weir, A. F.

**Medicine 1.**

*Distinction*.—(Campbell, J. G. D.; McLarren, P. D.); (McDonald, W. M.; Weir, A. F.); Zwicker, D. W. N.

*Passed*.—Campbell, D. St. C.; Davies, J. A.; Lindsay, R. D.; McCurdy, D. S.; McGrath, J. P.; Mahabir, K. G.; Sieniewicz, T.; Turel, S. J.

**Surgery 1.**

*Distinction*.—Sieniewicz, T.; McLarren, P. D.

*Passed*.—Campbell, J. G. D.; McCurdy, D. S.; McDonald, W. M.; McGrath, J. P.; Mahabir, K. G.; Turel, S. J.; Weir, A. F.; Zwicker, D. W. N.

**FOURTH YEAR.****Medical Jurisprudence.**

*Distinction*.—Hines, Arthur; Kirkpatrick, H. W.; Whitehouse, S.

*Passed*.—Blackadar, K. K.; Currie, J. A.; Godfrey, A. T.; Lyons, J. N.; Pennington, Louise A.; Stoddard, R. H.

**Hygiene.**

*Passed*.—Blackadar, K. K.; Currie, J. A.; Godfrey, A. T.; Hines, Arthur; Kirkpatrick, H. W.; Lyons, J. N.; Pennington, Louise A.; Stoddard, R. H.; Whitehouse, S.

**Medicine 2.**

*Distinction*.—Whitehouse, S.; Kirkpatrick, H. W.; Godfrey, A. T.; (Blackadar, K. K.; Hines, Arthur.).

*Passed*.—Currie, J. A.; Lyons, J. N.; Pennington, Louise A.; Stoddard, R. H.

**Obstetrics 2.**

*Distinction*.—Blackadar, K. K.

*Passed*.—Currie, J. A.; Godfrey, A. T.; Hines, Arthur; Kirkpatrick, H. W.; Lyons, J. N.; Pennington, Louise A.; Stoddard, R. H.; Whitehouse, S.

## Surgery 2.

*Distinction*.—Whitehouse, S.; Blackadar, K. K.; Hines, Arthur; Seddard, R. H.

*Passed*.—Currie, J. A.; Godfrey, A. T.; Kirkpatrick, H. W.; Lyons, J. N.; Pennington, Louise A.

## FINAL EXAMINATIONS.

## Surgery and Surgical Anatomy.

*Distinction*.—Graham, J. V.; Blackett, A. E.

*Passed*.—Breen, J. S.; Denamore, F. T.; Gittleson, P. M.; Godfrey, H. M.; Heal, J. G. F.; Kilpatrick, Eliza; LeBlanc, J. E.; Moore, H. S.; Withrow, R. R.

## Medicine.

*Distinction*.—Heal, J. G. F.; Godfrey, H. M.; Graham, J. V.

*Passed*.—Blackett, A. E.; Breen, J. S.; Denamore, F. T.; Gittleson, P. M.; Kilpatrick, Eliza; LeBlanc, J. E.; Moore, H. S.; Withrow, R. R.

## Obstetrics and Diseases of Women and Children.

*Distinction*.—(Graham, J. V.; Kilpatrick, Eliza); (Breen, J. S.; LeBlanc, J. E.).

*Passed*.—Blackett, A. E.; Denamore, F. T.; Gittleson, P. M.; Godfrey, H. M.; Heal, J. G. F.; Moore, H. S.; Withrow, R. R.

## Hygiene and Therapeutics.

*Distinction*.—Heal, J. G. F.

*Passed*.—Blackett, A. E.; Breen, J. S.; Denamore, F. T.; Gittleson, P. M.; Godfrey, H. M.; Graham, J. V.; Kilpatrick, Eliza; LeBlanc, J. E.; Moore, H. S.; Withrow, R. R.

## Clinical Surgery.

*Distinction*.—(Breen, J. S.; Graham, J. V.).

*Passed*.—Blackett, A. E.; Denamore, F. T.; Gittleson, P. M.; Godfrey, H. M.; Heal, J. G. F.; Kilpatrick, Eliza; LeBlanc, J. E.; Moore, H. S.; Withrow, R. R.

## Clinical Medicine.

*Passed*.—Blackett, A. E.; Breen, J. S.; Denamore, F. T.; Gittleson, P. M.; Godfrey, H. M.; Graham, J. V.; Heal, J. G. F.; Kilpatrick, Eliza; LeBlanc, J. E.; Moore, H. S.; Withrow, R. R.

## FACULTY OF DENTISTRY.

## SUPPLEMENTARY EXAMINATIONS.

Histology.—Crosby, R. C.

## SESSIONAL EXAMINATIONS.

**CLASS LISTS**.—Names under Heading "Distinction" are in Order of Merit; under "Passed" in Alphabetical Order. Brackets indicate Candidates of Equal Merit.

## FOURTH YEAR.

## Crown and Bridge Work, Ceramics and Hygiene.

*Distinction*.—Woodbury, K. F.; McLellan, F. F.

## History, Ethics and Jurisprudence.

*Passed*.—McLellan, F. F.; Woodbury, K. F.

## Operative Dentistry.

*Distinction*.—Woodbury, K. F. *Passed*.—McLellan, F. F.

## Orthodontia.

*Distinction*.—Woodbury, K. F. *Passed*.—McLellan, F. F.

## Prosthetic Dentistry.

*Distinction*.—Woodbury, K. F. *Passed*.—McLellan, F. F.

## Surgery and Anaesthetics.

*Passed*.—McLellan, F. F.; Woodbury, K. F.

## THIRD YEAR.

## Crown and Bridge Work and Ceramics.

*Distinction*.—Fraser, W. R.; Richmond, G. B.

## Orthodontia.

*Passed*.—Fraser, W. R.; Richmond, G. B.

## Operative Dentistry.

*Passed*.—Fraser, W. R.; Richmond, G. B.

## Pathology and Bacteriology.

*Passed*.—Fraser, W. R.; Richmond, G. B.

## Oral Pathology and Therapeutics.

*Passed*.—Fraser, W. R.; Richmond, G. B.

## Materia Medica.

*Passed*.—Fraser, W. R.; Richmond, G. B.

## Prosthetic Dentistry.

*Distinction.*—(Fraser, W. R.; Richmond, G. B.).

## SECOND YEAR.

## Anatomy 2A.

*Passed.*—Ferguson, H. V.

## Chemistry 3.

*Passed.*—Crosby, R. C.; Ferguson, H. V.

## Physiology.

*Passed.*—Crosby, R. C.; Ferguson, H. V.

## Operative Dentistry.

*Passed.*—Crosby, R. C.; Ferguson, H. V.

## Prosthetic Dentistry.

*Distinction.*—Ferguson, H. V. *Passed.*—Crosby, R. C.

## FIRST YEAR.

## Anatomy 1A.

*Passed.*—Adamson, H. J.; Crowe, V. D.; Finigan, L. M.; Gillespie, W. L.; Lebbetter, J. T.; Morrison, M. E.

## Chemistry 1B.

*Passed.*—Adamson, H. J.; Crowe, V. D.; Finigan, L. M.; Gillespie, W. L.; Lebbetter, J. T.; Thomas, F. C.

## Histology.

*Passed.*—Adamson, H. J.; Crowe, V. D.; Finigan, L. M.; Gillespie, W. L.; Lebbetter, J. T.; Morrison, M. E.; Thomas, F. C.

## Dental and Comp. Anatomy.

*Distinction.*—Adamson, H. J.; Crowe, V. D.; Finigan, L. M.; Hayden, May J.

*Passed.*—Daley, W. E.; Gillespie, W. L.; Lebbetter, J. T.; Morrison, M. E.; Thomas, F. C.

## Prosthetic Dentistry.

*Distinction.*—Crowe, V. D.; Gillespie, W. L.; Morrison, M. E.; Hayden, May J.

*Passed.*—Adamson, H. J.; Daley, W. E.; Dooley, C. J.; Finigan, L. M.; Lebbetter, J. T.; Thomas, F. C.

## Physics.

*Passed.*—Adamson, H. J.; Crowe, V. D.; Finigan, L. M.

## STUDENTS 1914-15.

## FACULTY OF ARTS AND SCIENCE.

Allan, Shirley Silver ..... Pugwash, Camb. Co.  
 Allen, Kathleen Emma ..... Halifax.  
 Allum, Henry Arthur ..... Halifax.  
 Anderson, Mrs. Annie Almeta ..... Maple Creek, Sask.  
 Anderson, Clarence Aubrey ..... Halifax.  
 Anderson, Fulton Henry ..... Morell, P. E. I.  
 Appleby, Nema ..... Halifax.  
 Archibald, Alexander Daniel ..... New Town, Guys. Co.  
 Archibald, George Edward ..... Centre Musquodoboit, Hfx. Co.  
 Arthur, Edna Maude ..... Halifax.  
 Arthur, Harold Francklyn ..... Halifax.  
 Austen, Kenneth John ..... N. E. Margaree, Inv. Co.

Balcom, Samuel Rimbrough ..... Halifax.  
 Barron, John Augustine ..... St. John's, Nfld.  
 Bayne, Blair Edmondston ..... Moncton, N. B.  
 Bayne, Charles Macdonald ..... Halifax.  
 Bayne, Lily Isabel ..... Hillsboro, Inv. Co.  
 Beainsto, Anna Luella ..... Malpeque, P. E. I.  
 Bell, Hugh Benson ..... Halifax.  
 Blanchard, Henry Hubbard ..... Efershouse, Hants Co.  
 Bosk, Charlotte Filla ..... Halifax.  
 Brown, Carleton Frederick ..... Halifax.  
 Brookfield, George Piers ..... Halifax.  
 Buchanan, John Macleod ..... Neil's Harbour, Vic. Co.  
 Buckley, Albert Filla Hall ..... Halifax.

Cameron, Jean Frances ..... Halifax.  
 Cameron, William Ross ..... Halifax.  
 Campbell, Alexander Brown ..... Inverness, Inv. Co.  
 Campbell, George Henderson ..... Halifax.  
 Campbell, Helen Jessie ..... Dartmouth.  
 Campbell, Katherine Lillian ..... Dartmouth.  
 Campbell, Richard Frederick  
     Blake ..... Truro, Col. Co.  
 Campbell, Thane Alexander ..... Summerside, P. E. I.  
 Carson, John Burgess Calkin ..... Dartmouth.  
 Chipman, Harry Ritchie ..... Halifax.  
 Chipman, Nathan Lewis ..... Yarmouth.  
 Cho, Hi Yum ..... Hans Heung, Korea.  
 Cleinen, Olga Adele Emma ..... Halifax.  
 Colpitt, Merle Perry ..... Halifax.  
 Colquhoun, Catherine Cam-  
     erott ..... Halifax.  
 Colquhoun, David Alfred  
     Yendon ..... Halifax.  
 Colquhoun, Fraser ..... Sydney, C. B. Co.  
 Cooke, Everett George ..... Moncton, N. B.  
 Craig, Jean ..... Tatamagouche, Col. Co.



- Craigie, John Hubert ..... French River, Pic. Co.  
 Creelman, Emma Kathleen ..... Truro, Col. Co.  
 Creighton, Edith Murray ..... Halifax.  
 Creighton, Horace Terry ..... Dartmouth.  
 Creighton, Lois Sutherland ..... Halifax.  
 Crosby, Charles Harris ..... Halifax.  
 Crowell, Evelyn Meredith ..... Halifax.  
 Crowell, Osborne Randolph ..... Halifax.
- Daley, Gordon McLares ..... Halifax.  
 Dawson, Howard Charles ..... Truro, Col. Co.  
 Dawson, James Arthur ..... McEldan's Brook, Pic. Co.  
 Dawson, Martin Henry ..... Truro, Col. Co.  
 Dawson, Robert MacGregor ..... Bridgewater, Lun. Co.  
 Day, Kathleen Maude ..... New Glasgow, Pic. Co.  
 Dickey, Horace Blair ..... Kentville, Kings Co.  
 Dickson, Thomas Havelock ..... Pictou.  
 Dodwell, Edward Lionel ..... Halifax.  
 Douglass, Peter Gerald ..... Dartmouth.
- Ellis, Evelyn ..... Digby.  
 Evans, Cyril Ansell, B.A. .... Halifax.
- Ferguson, Elizabeth Catherine ..... Balmoral Mills, Col. Co.  
 Fielding, Ronald Manning ..... Rockingham, Halifax Co.  
 Fisher, Frank Lemael ..... Truro, Col. Co.  
 Forsyth, Walter Edgar ..... Dartmouth.  
 Fox, Frank Benbow ..... Valley, Col. Co.  
 Frazer, Hugh Campbell ..... Halifax.  
 Fraser, Anna Gwendolyn Sarah ..... Halifax.  
 Fraser, Annie Isabella ..... Pictou.  
 Fraser, Ella Christine ..... Westville, Pic. Co.  
 Fraser, Everett Scott ..... San Fernando, Trinidad, B. W. I.  
 Fraser, James Stanley ..... New Glasgow, Pic. Co.  
 Fraser, Margaret Catherine ..... Elgin, Pic. Co.  
 Fraser, William Lawrence ..... New Glasgow, Pic. Co.  
 Freeman, Mary Parker ..... Halifax.
- Geddes, William ..... Halifax.  
 Gillies, Emma Catherine ..... Glace Bay, C. B. Co.  
 Grant, Jennie Gordon ..... Moncton, N. B.  
 Gray, Kenneth Herbert ..... Seaford, Pic. Co.  
 Grierson, Vernon Arthur ..... Kentville, Kings Co.
- Hall, Agnes Fulton ..... Halifax.  
 Hall, Bessie Louisa ..... Bridgewater, Lun. Co.  
 Hallett, Edwin John ..... Halifax.  
 Hanna, William Fielding ..... Middle Musquodoboit, Hfx. Co.  
 Hanright, Rex Cuthbert ..... Halifax.  
 Harger, Elizabeth Grace ..... Shediac, N. B.  
 Harris, John Thomas McKittrick ..... Upper Canada, Kings Co.  
 Harris, William Edwin ..... Pictou.  
 Harrison, Leslie Lonsdale ..... Halifax.  
 Hawkins, Gertrude May ..... Halifax.  
 Hawkins, Rupert Clarence Giles ..... Halifax.  
 Hayden, Francis George ..... Halifax.  
 Hemphill, Abbie Alma ..... Beloe Junction, N. B.  
 Hight, Douglas Harold ..... Oxford, Cumb. Co.

- Higson, Jessie Henderson ..... Stellarton, Pic. Co.  
 Hirtle, Roy James Edward ..... Dartmouth.  
 Hoben, Alma Grace ..... Halifax.  
 Hoben, Annie Lou ..... Halifax.  
 Holland, Clyde Wallace ..... Halifax.  
 Holmes, George Raymond ..... Hamilton, Bermuda.  
 Hyde, Cyril ..... Kentville, Kings Co.  
 Inglis, Constance ..... Halifax.  
 James, Alan MacKenzie ..... London, Ont.  
 Jardine, Marjorie Debertry ..... Moncton, N. B.  
 Johnston, Murray Fraser ..... Sydney, C. B. Co.  
 Jost, Florence Mabel ..... Halifax.
- Keshen, Saul Harold ..... Halifax.  
 Knight, Harold Stephen ..... St. John's, Nfld.  
 Kyle, George Robinson ..... Carncairn, Broughshane, Ireland.
- Lantz, Floyd Crawford ..... Halifax.  
 Lawrence, LeRoy Leitchfield ..... Hantsport, Hants Co.  
 Leslie, Robert Jamieson ..... Halifax.  
 Lewis, Henry Joseph ..... Sydney, C. B. Co.  
 Lewis, Perley Chase ..... Belmont, Col. Co.  
 Linton, Hubert Miller ..... Truro, Col. Co.  
 Livingstone, David ..... Black Brook, C. B. Co.  
 Lockerby, John Earle ..... Hamilton, P. E. I.
- MacAloney, Ralph Gordon ..... Fairview, Halifax Co.  
 Macaskill, Marguerite Elizabeth ..... Baddeck, Vic. Co.  
 McCleave, Harry Austin ..... Stewiacke, Col. Co.  
 McCleave, Robert David ..... Stewiacke, Col. Co.  
 McClelland, William Raymond ..... Halifax.  
 McColl, Norma MacGregor ..... New Glasgow, Pic. Co.  
 McCurdy, Isabel Gatherer ..... Halifax.  
 McCurdy, William Harold ..... Old Bams, Col. Co.  
 MacDonald, John ..... Boulardarie Head, Vic. Co.  
 MacDonald, May ..... New Glasgow, Pic. Co.  
 MacDonald, Neil Ewan ..... Framboise, Rich. Co.  
 MacDonald, Sara Elizabeth Gray ..... Halifax.  
 McDonald, Wilfred Murray ..... Sydney Mines, C. B. Co.  
 McGrath, Mona Rose ..... St. John, N. B.  
 MacGregor, Donald Gordon ..... Amherst, Cumb. Co.  
 McInnes, Charles Malcolm ..... Calgary, Alberta.  
 MacInnes, John Knox ..... Glace Bay, C. B. Co.  
 McInnes, Russell ..... Lyon's Brook, Pic. Co.  
 Mackay, Charles Alexander ..... Truro, Col. Co.  
 MacKay, Mable Catherine ..... Trenton, Pic. Co.  
 Mackenzie, Arrabelle Catherine ..... Lower Middle River, Vic. Co.  
 MacKenzie, Charles Guy ..... Charlottetown, P. E. I.  
 MacKenzie, Daniel Angus ..... Toney River, Pic. Co.  
 MacKenzie, Jean Elizabeth ..... Halifax.  
 MacKenzie, Norman Archibald ..... Elmsdale, Hants Co.  
 MacKae ..... Elmsdale, Hants Co.  
 MacKinnon, Murdoch Charles ..... Canoe Cove, P. E. I.  
 MacLean, Brenton Vans ..... Central Lot 16, P. E. I.  
 MacLean, Christina Myrtle ..... Thorburn, Pic. Co.  
 MacLean, David Edward ..... Charlottetown, P. E. I.

|                              |                                  |
|------------------------------|----------------------------------|
| McLean, Harold Seymour       | Trenton, Pic. Co.                |
| McLean, John Archibald       | Glace Bay, C. B. Co.             |
| MacLean, Lillian             | St. John's, Nfld.                |
| MacLennan, Charles Frederick | Dartmouth.                       |
| MacLeod, Annie May           | Pictou.                          |
| MacLeod, Dan Frank           | South Gut of St. Anns, Vic. Co.  |
| MacLeod, George Daniel       | Oyster Bed Bridge, P. E. I.      |
| MacLeod, Jessie              | Point Tupper, Rich. Co.          |
| MacLeod, John Owen           | Six Mile Brook, Pic. Co.         |
| MacMillan, Charles William   | Dartmouth.                       |
| MacMillan, Malcolm James     | Marion Bridge, C. B. Co.         |
| MacNeil, Stephen Joseph      | Glace Bay, C. B. Co.             |
| MacNevin, Colin Uriah        | De Sable, P. E. I.               |
| MacNutt, Roy Douglas         | Truro, Col. Co.                  |
| McPhail, Annie Laurie        | Dartmouth.                       |
| Madden, Harry Dennis         | Amherst, Cumb. Co.               |
| Maddin, Warren               | Coxhatch, C. B. Co.              |
| Mahabir, Kesmeth Grant       | San Fernando, Trinidad, B. W. I. |
| Malcolm, Florence Pearl      | Halifax.                         |
| Marshall, David Fraser       | New Glasgow, Pic. Co.            |
| Martin, John Patrick         | Dartmouth.                       |
| Mason, Guy Montague          | Tangier, Hlx. Co.                |
| Matheson, Henry Angus        | Tatamagouche, Col. Co.           |
| Melvis, Arthur Gordon        | Halifax.                         |
| Merrick, John Rankin         | Halifax.                         |
| Metherall, Isabel Macrae     | West Cape, P. E. I.              |
| Milligan, John               | King's Head, Pic. Co.            |
| Milne, Everind Hall          | Waverley, Hlx. Co.               |
| Mitchell, John Hanlen        | Halifax.                         |
| Mitchell, Lillie Florence    | Halifax.                         |
| Josephine                    | Halifax.                         |
| Moir, Elizabeth Putman       | Halifax.                         |
| Montgomery, Edith Macneill   | Malpeque, P. E. I.               |
| Mooney, Fraser Dudley        | Stellarton, Pic. Co.             |
| Mooney, Reuel Burdett        | Stellarton, Pic. Co.             |
| Moore, Harry DeWolfe         | Kentville, Kings Co.             |
| Moore, Fred Laurence         | Economy Point, Col. Co.          |
| Morrison, Kate               | Dartmouth.                       |
| Morrison, Lewis Nelson       | Halifax.                         |
| Morrison, Margaret Douglas   | Halifax.                         |
| Moseley, Henry Arthur        | Dartmouth.                       |
| Mulligan, William Orr, M. A. | Bedford, Hlx. Co.                |
| Munro, Jean MacRae           | Stellarton, Pic. Co.             |
| Murray, George               | West Branch River John, Pic. Co. |
| Magrave, William Burnthorne  | Halifax.                         |
| Nicholson, John Angus        | Valleyfield, P. E. I.            |
| Nicholson, Sarah Dorothy     | Newcastle, N. B.                 |
| Nickerson, James Stanley     | Yarmouth.                        |
| O'Bryan, Hilda               | Halifax.                         |
| Palmer, Gertrude Louise      | Halifax.                         |
| Parker, Edith Helen          | Georgetown, P. E. I.             |
| Paterson, John George Lawson | Gordon                           |
| Gordon                       | Grand River, Rich. Co.           |
| Patterson, Frank Harris      | Tatamagouche, Col. Co.           |

|                              |                                  |
|------------------------------|----------------------------------|
| Patterson, Robert Archibald  | Richibucto, N. B.                |
| Pearl, Walter King           | Halifax.                         |
| Penta, Leone Truesdell       | Halifax.                         |
| Perry, Marie Eleanor         | Halifax.                         |
| Piers, Judith Forbes         | Halifax.                         |
| Poeter, Annie Daveda         | Stellarton, Pic. Co.             |
| Poeter, Williamina Jessie    | Stellarton, Pic. Co.             |
| Poeter, William Arthur       | Yarmouth.                        |
| Power, Mary Louise           | Halifax.                         |
| Pugley, Chester Arthur       | Amherst, Cumb. Co.               |
| Raffee, Neil MacLean         | Malpeque, P. E. I.               |
| Rawley, William Patrick      | Halifax.                         |
| Raynor, Harold Stewart       | Enmore, P. E. I.                 |
| Reinhardt, Ethel Beatrice    | Halifax.                         |
| Robertson, James Glen Allan  | Barrington Passage, Yar. Co.     |
| Robinson, Stewart Inglis     | Clementsvale, Ann. Co.           |
| Roome, Richard Edward        | Dartmouth.                       |
| Graham                       | West Branch River John, Pic. Co. |
| Ross, Alexander Daniel       | Halifax.                         |
| Ross, Berdette Burns         | Halifax.                         |
| Ross, John Shearer           | Partick, Glasgow, Scotland.      |
| Ross, Jean Lindsay           | Lunenburg.                       |
| Ross, Mary Alexandra         | St. John, N. B.                  |
| Russell, James Douglas       | Russellville, N. B.              |
| Rutledge, James Edward       | Halifax.                         |
| Ryan, Joseph Henry           | Halifax.                         |
| St. Arnaud, Mrs. Henry       | Utica, N. Y., U. S. A.           |
| Salter, Frederick Millet     | Chartham, N. B.                  |
| Saunders, Christena Beryl    | Westville, Pic. Co.              |
| Scott, George                | St. John, N. B.                  |
| Shreve, Charles Dayrell      | Digby.                           |
| Simpson, Ernest              | Millerton, N. B.                 |
| Slaven, Thomas Price         | Sydney Mines, C. B. Co.          |
| Smith, Clara Margaret        | Morignish, Pic. Co.              |
| Smith, Ernest Elgie Barton   | Milltown, Maine, U. S. A.        |
| Smith, Gerald Raymond        | Londonderry, Col. Co.            |
| Smith, Marion Reid           | Dartmouth.                       |
| Stadler, Mary Marjorie       | Halifax.                         |
| Stayner, Charles St. Clair   | Halifax.                         |
| Stewart, Florence MacGregor, | Halifax.                         |
| B. A.                        | Halifax.                         |
| Stewart, John McKenzie       | Grove's Point, C. B. Co.         |
| Tattrie, Annie Katharine     | River John, Pic. Co.             |
| Theakston, Harold Raymond    | Sydney, C. B. Co.                |
| Turnbull, Aubrey Arnold      | Marshalltown, Digby Co.          |
| Tweedie, William John Vazne  | Kouchibouguac, N. B.             |
| Vickery, Hubert Bradford     | Yarmouth.                        |
| Walls, Victor Benjamin       | Blackville, N. B.                |
| Walsh, Francis Eugene        | Halifax.                         |
| Wambolt, Winnifred Blanche   | Halifax.                         |
| Webber, Harry Louis          | Sydney, C. B. Co.                |
| Webster, George Edwards      | Charlottetown, P. E. I.          |
| Whippley, Thomas Harvey      | Dartmouth.                       |
| Whitman, Philip Louis        | Halifax.                         |

|                                 |                         |
|---------------------------------|-------------------------|
| Whyte, Earle Forester . . . . . | Truro, Col. Co.         |
| Whyte, Juanita May . . . . .    | Truro, Col. Co.         |
| Wolfe, Janet Barbara . . . . .  | Dartmouth.              |
| Wood, Walter Augustus . . . . . | River Hebert, Comb. Co. |
| Wooten, Alfred Gerald . . . . . | Halifax.                |
| Young, Julia Florie . . . . .   | Millville, Pic. Co.     |
| Zinck, Austin Alvin . . . . .   | East Chester, Lun. Co.  |

## Registered for Examinations only.

|  |                              |
|--|------------------------------|
| Archibald, Harry Bambrick . . . . .                        | Truro, Col. Co.              |
| Blois, Vera Mabel . . . . .                                | Halifax.                     |
| Connelly, Jean Alema . . . . .                             | Great Salmon River, N. B.    |
| Cooke, Norman Logan . . . . .                              | Gray's River, Col. Co.       |
| Currie, Mary Maude . . . . .                               | Tatamagouche, Col. Co.       |
| Faulkner, Georgene Lillian Le-<br>Messurier, B. A. . . . . | Halifax.                     |
| Grant, Frances Havergal, B. A. . . . .                     | Halifax.                     |
| Hayes, James Bertram, B. Sc. . . . .                       | Halifax.                     |
| Heney, Elizabeth Blanche . . . . .                         | River John, Pic. Co.         |
| MacDonald, John Herbert . . . . .                          | Sydney Mines, C. B. Co.      |
| MacKenzie, Emelyn Laura,<br>B. A. . . . .                  | Lower Middle River, Vic. Co. |
| MacMillan, Duncan Alexander . . . . .                      | East Lake Ainslie, Inv. Co.  |
| Moran, Sister Mary Evaristus . . . . .                     | Rockingham, Hfx. Co.         |
| Moseley, Frank Harold . . . . .                            | Dartmouth.                   |
| Nicholson, John . . . . .                                  | Halifax.                     |
| Smith, Lloyd Keating . . . . .                             | Landfordery, Col. Co.        |
| Withrow, Helena Howe . . . . .                             | Elmsdale, Hants Co.          |

## FACULTY OF LAW.

## Third Year.

|  |                             |
|--|-----------------------------|
| Ackhurst, Ernest Victor, B. A. . . . .                         | Halifax.                    |
| Archibald, Maynard Brown . . . . .                             | Manganese Mines, Col. Co.   |
| Barron, John Augustine . . . . .                               | St. John's, Nfld.           |
| Bell, Leslie Gordon, B. A. (Mich.) . . . . .                   | Medicine Hat, Alberta.      |
| Boylan, Raymond Edward, B. A.<br>(St. F. X.) . . . . .         | New Ross, Lun. Co.          |
| Cockburn, George Herbert Inglis,<br>B. A. (U. N. B.) . . . . . | St. Andrew's, N. B.         |
| Cyr, Arthur Joseph . . . . .                                   | St. Hilaire, N. B.          |
| Dares, Robt. St. Clair . . . . .                               | Dartmouth.                  |
| Dwyer, Daniel Louis, M. A. (St. F. X.) . . . . .               | St. Stephen, N. B.          |
| Graham, Frank Dunstone, B. A. . . . .                          | Halifax.                    |
| Kemp, Hector Downie . . . . .                                  | St. Peter's, Rich. Co.      |
| Kinsman, William LeRoy, B. A.<br>(Acad.) . . . . .             | Truro, Col. Co.             |
| Lane, William Frederick, M. A.<br>(St. F. X.) . . . . .        | Bayfield, N. B.             |
| Lewis, George Murray, B. A. . . . .                            | Yarmouth.                   |
| MacMillan, John Angus . . . . .                                | East Lake Ainslie, Inv. Co. |

|   |                         |
|---|-------------------------|
| Macnutt, Earle Reynolds, M. A.<br>(U. N. B.) . . . . .            | Fredericton, N. B.      |
| Nicholson, James Haute Turnbull . . . . .                         | Sydney Mines, C. B. Co. |
| Phinney, Earle Caleb . . . . .                                    | Bear River, Ann. Co.    |
| Robichaud, Louis Prudent Alexander,<br>B. A. (St. Jos.) . . . . . | Cocagne, N. B.          |
| Shean, Walter Eugene . . . . .                                    | Islington, Ont.         |
| Seales, Hugh Morrow . . . . .                                     | Halifax.                |
| Swanson, John King, B. A. . . . .                                 | Kearville, Kings Co.    |
| Tyler, Richard Nicholas, B. A.<br>(Mt. All.) . . . . .            | Louisburg, C. B. Co.    |
| Webber, Harry Louis . . . . .                                     | Sydney, C. B. Co.       |
| Yeoman, Robert Forsyth, B. A. . . . .                             | Halifax.                |

## Second Year.

|  |                           |
|--|---------------------------|
| Barry, Charles Rossiter, B. A.<br>(U. N. B.) . . . . .   | Fredericton, N. B.        |
| Campbell, Andrew Dominic, B. A.<br>(St. F. X.) . . . . . | Glace Bay, C. B. Co.      |
| Chisholm, Edward Alexander . . . . .                     | Havre Boucher, Ant. Co.   |
| Dalton, Ernest, B. A. (St. Jos.) . . . . .               | Shediac, N. B.            |
| Farrer, William Melbourn, B. A.<br>(Mt. All.) . . . . .  | Rockland, N. B.           |
| Feeney, Gregory Thomas, B. Sc.<br>(U. N. B.) . . . . .   | Fredericton, N. B.        |
| Harley, John Robert Howard, B. A.<br>(King's) . . . . .  | Windsor, Hants Co.        |
| Hsley, James Lorimer, B. A. (Acad.) . . . . .            | Somerset, Kings Co.       |
| Jones, Herbert Reginald St. Clair . . . . .              | Weymouth, Digby Co.       |
| McDade, George Manning . . . . .                         | St. John, N. B.           |
| MacDonnell, Andrew Joseph . . . . .                      | Glace Bay, C. B. Co.      |
| McLean, Thomas Malcolm . . . . .                         | Bridgewater, Lun. Co.     |
| MacLeod, Charles Tupper . . . . .                        | New Haven, Vic. Co.       |
| Noblett, William, B. A. (St. F. X.) . . . . .            | Preston, Lancashire, Eng. |
| Palles, Wesley . . . . .                                 | New Glasgow, Pic. Co.     |
| Patterson, Frank Harris . . . . .                        | Tatamagouche, Col. Co.    |
| Pickup, Walter Willett, B. A. (Mt. All.) . . . . .       | Granville Ferry, Ann. Co. |
| Potter, William Pitt, B. A., B. Sc.<br>(Acad.) . . . . . | Canning, Kings Co.        |
| Ruggles, Walter Truman . . . . .                         | Middleton, Ann. Co.       |
| Titus, Lawrence Lee . . . . .                            | Westport, Digby Co.       |

## First Year.

|  |                          |
|--|--------------------------|
| Allan, Shirley Silver . . . . .                        | Pigwash, Comb. Co.       |
| Carpenter, George Brown, B. A.<br>(U. N. B.) . . . . . | Hatfield Point, N. B.    |
| Conroy, John Newbery . . . . .                         | Charlottetown, P. E. I.  |
| Dawson, Howard Charles . . . . .                       | Truro, Col. Co.          |
| Dolan, John Raymond . . . . .                          | South Nelson, N. B.      |
| Hamilton, Kenneth Blake . . . . .                      | Teonito, Ont.            |
| Inglis, Robert Ebenezer, B. A. . . . .                 | North Lochaber, Ant. Co. |
| Knight, Harold Stephen . . . . .                       | St. John's, Nfld.        |
| MacKay, John Keiller . . . . .                         | Pictou.                  |
| McLean, Thomas Gordon . . . . .                        | Calgary, Alberta.        |
| Porter, Marshall Menzies . . . . .                     | Medicine Hat, Alberta.   |
| Salter, George Milledge, B. A. (Acad.) . . . . .       | Bridgetown, Ann. Co.     |

|                         |                          |
|-------------------------|--------------------------|
| Shreve, Charles Dayrell | ..... Digby.             |
| Sifton, Loy Stanley     | ..... Moose Jaw, Sask.   |
| Stern, Ralph Charlton   | ..... Amherst, Cumb. Co. |

## Special Students.

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| Chipman, Nathan Lewis               | ..... Yarmouth.                   |
| Daley, Gordon McLaren               | ..... Halifax.                    |
| Dawson, Robert MacGregor            | ..... Bridgewater, Lun. Co.       |
| Dempsey, James Wesley, B. A. (McM.) | ..... Gregg, Manitoba.            |
| Dickey, Horace Blair                | ..... Kentville, Kings Co.        |
| Fraser, James Stanley               | ..... New Glasgow, P. Co.         |
| Gray, Kenneth Herbert               | ..... Seafoam, P. Co.             |
| Hanna, William Fielding             | ..... Mid. Musquodoboit, Hfx. Co. |
| Johnstone, Murray Fraser            | ..... Sydney, C. B. Co.           |
| LeBlanc, Joseph Harold              | ..... Halifax.                    |
| Livingstone, David                  | ..... Black Brook, C. B. Co.      |
| Macaulay, Peter                     | ..... Big Baddeck, Vic. Co.       |
| McCleave, Robert David              | ..... Stewiacke, Col. Co.         |
| MacNutt, Roy Douglas                | ..... Truro, Col. Co.             |
| Moore, Barry DeWolfe                | ..... Kentville, Kings Co.        |
| Morrison, John Hilvard Taber        | ..... Woodstock, N. B.            |
| Robertson, James Glen Allan         | ..... Barrington Pass, Yar. Co.   |
| Young, George DeWitt                | ..... Millsville, P. Co.          |

## Registered for Examinations only.

|                         |                        |
|-------------------------|------------------------|
| Blauvelt, Robert Brooks | ..... Tusket, Yar. Co. |
| Curry, Nathaniel Rennie | ..... Montreal, P. Q.  |

## FACULTY OF MEDICINE.

## Fifth Year.

|  |                               |
|--|-------------------------------|
| Blackett, Arthur Edwin                     | ..... Halifax.                |
| Breen, Joseph Seward                       | ..... Sydney, C. B. Co.       |
| Chisholm, James Stanley                    | ..... Halifax.                |
| Davidson, Victor David                     | ..... Truro, Col. Co.         |
| Densmore, Fred Thompson                    | ..... Noel Shore, Hants Co.   |
| Gittleton, Philip Michael                  | ..... Glace Bay, C. B. Co.    |
| Godfrey, Harry Munn                        | ..... Marshfield, P. E. I.    |
| Graham, Judson Vye                         | ..... New Glasgow, P. Co.     |
| Head, James Gordon Freeman                 | ..... Guysborough.            |
| Kilpatrick, Elias                          | ..... Sydney Mines, C. B. Co. |
| LeBlanc, Joseph Emile, B. A.<br>(See Anne) | ..... Church Point, Digby Co. |
| Meech, Lloyd Remington                     | ..... North Sydney, C. B. Co. |
| Moore, Hugh Stewart                        | ..... Kentville, Kings Co.    |
| Withrow, Ralph Roscoe                      | ..... Elmisdale, Hants Co.    |

## Fourth Year.

|                           |                              |
|---------------------------|------------------------------|
| Blackadar, Karl Kenneth   | ..... Hebron, Yar. Co.       |
| Currie, James Albert      | ..... Poet Morice, C. B. Co. |
| Dwyer, Thomas Ronald      | ..... Holyrood, Nfld.        |
| Godfrey, Alexander Taylor | ..... Brooklyn, Queens Co.   |

|                              |                              |
|------------------------------|------------------------------|
| Hines, Arthur                | ..... Noel, Hants Co.        |
| Kirkpatrick, Hartley William | ..... Gaspereaux Sta., N. B. |
| Lyons, James Norbert         | ..... Halifax.               |
| Pennington, Louise Alberta   | ..... Montreal, P. Q.        |
| Stoddard, Robert Harvey      | ..... Jeddore, Hfx. Co.      |
| Whitehouse, Samuel           | ..... Halifax.               |

## Third Year.

|                                    |                               |
|------------------------------------|-------------------------------|
| Campbell, Donald St. Clair         | ..... Dartmouth.              |
| Campbell, John George Dun-<br>can  | ..... Halifax.                |
| Davies, John Angus                 | ..... Salt Springs, P. Co.    |
| Keith, Claude Hill                 | ..... New Glasgow, P. Co.     |
| Lindsay, Roy Dickson               | ..... Halifax.                |
| McCurdy, Dexter Scott              | ..... Truro, Col. Co.         |
| McDonald, Wilfred Murray           | ..... Sydney Mines, C. B. Co. |
| McGrath, Joseph Percy              | ..... Tusket, Yar. Co.        |
| McLarren, Philip Doane             | ..... Halifax.                |
| Mahabir, Kenneth Grant             | ..... Trinidad, B. W. I.      |
| Siemewicz, Thaddeus                | ..... Fairview, Hfx. Co.      |
| Turel, Solomon Jacob               | ..... Halifax.                |
| Weir, Andrew Fraser                | ..... New Glasgow, P. Co.     |
| Zwicker, Douglas William<br>Norman | ..... Lunenburg.              |

## Second Year.

|   |                                 |
|---|---------------------------------|
| Anderson, John Wilcox                             | ..... Heart's Content, Nfld.    |
| Blauvelt, Hugh Osmond                             | ..... Windsor, Hants Co.        |
| Drury, David                                      | ..... Dartmouth.                |
| Francis, Oliver Michael                           | ..... Grenada, B. W. I.         |
| Goudge, Mabel Essworth, B. A.<br>Ph. D. (Cornell) | ..... Halifax.                  |
| MacInnis, Idan Finlayson                          | ..... Middle River, Vic. Co.    |
| McKay, Joseph William                             | ..... Truro, Col. Co.           |
| MacKenzie, Donald John                            | ..... Broughton, C. B. Co.      |
| Reinhardt, Ethel Beatrice                         | ..... Halifax.                  |
| Thorne, Clarence William                          | ..... Lower Granville, Ann. Co. |

## First Year.

|                                      |                               |
|--------------------------------------|-------------------------------|
| Bain, Charles Grant                  | ..... Bridgewater, Lun. Co.   |
| Baird, Kenneth Allison               | ..... Fredericton, N. B.      |
| Burke, John                          | ..... Carleton Place, Nfld.   |
| Cameron, Arthur Hugh                 | ..... St. Peter's, Rich. Co.  |
| Hawkins, Rupert Clarence Giles       | ..... Halifax.                |
| Kirwan, Philip Aloysius              | ..... Wallace, Cumb. Co.      |
| Lawrence, LeRoy Leitchfield          | ..... Hantsport, Hants Co.    |
| Mackay, Archibald Francis            | ..... Truro, Col. Co.         |
| McLean, Isaac Murray                 | ..... North Sydney, C. B. Co. |
| Maclean, Neil Archibald              | ..... Big Island, P. Co.      |
| McLeod, Clement                      | ..... North Sydney, C. B. Co. |
| McLeod, Frank Thomas, B. A.          | ..... Buraside, P. Co.        |
| MacLeod, Murdoch Gordon              | ..... New Haven, Vic. Co.     |
| Malcolm, Frank Frederick<br>Phillips | ..... Halifax.                |
| Matheson, Henry Angus                | ..... Tatamagouche, Col. Co.  |

|                                 |                           |
|---------------------------------|---------------------------|
| Munro, Jephtha Seth.....        | Margaree Harbour, Inv. Co |
| Murray, Florence Jessie.....    | O'Leary, P. E. I.         |
| O'Brien, Willard Cleveland..... | Noel, Hants Co.           |
| Poeter, William Arthur.....     | Yarmouth.                 |
| Pottier, Hector Joseph.....     | Eel Brook, Yar. Co.       |
| Smith, Charles Gordon.....      | North Sydney, C. B. Co.   |
| Ward, Norman Claude.....        | Kestville, Kings Co.      |

**Registered for Examinations only**

|                                   |                       |
|-----------------------------------|-----------------------|
| Britton, Harry Earle.....         | Pagwash, Cumb. Co.    |
| Little, Ferguson Robert.....      | Halifax.              |
| Matheson, Florence Elizabeth..... | Plainsfield, Pic. Co. |
| Trefry, Harold Scott.....         | Yarmouth.             |

**FACULTY OF DENTISTRY.****Fourth Year.**

|                                 |                       |
|---------------------------------|-----------------------|
| McLellan, Frederic Fulton.....  | Noel Shore, Hants Co. |
| Nichols, Morley Puncheston..... | Aylesford, Kings Co.  |
| Woodbury, Karl Fairfield.....   | Halifax.              |

**Third Year.**

|                              |                       |
|------------------------------|-----------------------|
| Fraser, Welden Roy.....      | New Glasgow, Pic. Co. |
| Richmond, Gordon Baxter..... | Sydney, C. B. Co.     |

**Second Year.**

|                               |            |
|-------------------------------|------------|
| Crosby, Reginald Clifton..... | Dartmouth. |
| Ferguson, Harold Vernon.....  | Pictou.    |

**First Year.**

|                                 |                            |
|---------------------------------|----------------------------|
| Adamson, Howard John.....       | Durham, Pic. Co.           |
| Crowe, Victor Densmore.....     | Lower Stewiacke, Col. Co.  |
| Daley, William Edmund.....      | Halifax.                   |
| Dooley, Cyril Jeremiah.....     | North Sydney, C. B. Co.    |
| Finigan, Lindsey Melbourne..... | Freeport, Digby Co.        |
| Gillespie, William Lester.....  | Moncton, N. B.             |
| Hayden, Mary Josephine.....     | Halifax.                   |
| Lebbetter, John Tompkins.....   | North Sydney, C. B. Co.    |
| Morrison, Michael Edward.....   | River Bourgeois, Rich. Co. |
| Thomas, Frank Crocker.....      | St. John, N. B.            |