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July 9. 1914.
July 16. 1914
July 16. 1914.

CALENDAR

OF

DALHOUSIE UNIVERSITY

HALIFAX - NOVA SCOTIA

1914 - 1915



HALIFAX:
PRINTED FOR THE UNIVERSITY BY WM. MACNAB & SON.
1914.

Time Table—Arts and Science.

TIME TABLE—FACULTY OF ARTS AND SCIENCE.
1914-15.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Chem. 1, 1A Kinematics Physics 1, 1B French 4	Chem. 2, 3, 4 Phil. 6 Drawing 1 French 3 Const. Hist Greek 1	Chem. 1, 1A Kinematics Physics 1, 1B French 4	Chem. 2, 3, 4 Phil. 6 Drawing 1 French 3 Const. Hist Greek 1	Chem. 1, 1A Kinematics Physics 1, 1B French 3	Geol. 1A lab. Surveying Biology 1 Greek 1
10	Elem. Latin Latin 2 History 1 Geol. 1, 1A Surveying Physics 3	Latin 3 French 1 Drawing 1 Phil 1	Elem. Latin Latin 2 History 1 Geol. 1, 1A Surveying Physics 3	Latin 3 French 1 Drawing 1 Phil 1	Elem. Latin Latin 2 History 1 Geol. 1, 1A Surveying	Elem. Latin Surveying Biology 1 Geol. 1A lab. Phil. 1
11	Latin 1 Math. 4 Drawing 2(W) Chem. 1B Drawing 1(F) Economics 2 Torts	Greek 2 Math. 7 Mechanics Biology 1 El. Greek	Latin 1 Math. 4 Drawing 2(W) Chem. 1B Drawing 1(F) Economics 2 Torts	Greek 2 Math. 7 Mechanics El. Greek	Latin 1 Math. 4 Drawing 2(W) Chem. 1B Drawing 1(F) Crimes	Geol. 1A lab. Surveying Biology 1 El. Greek
12	English 2 Physics 1A Math. 1	Greek 3 Math 3 English 1 Biology 1 Graph. Stat. Mat. of Const	English 2 Math. 1 Physics 1A	Greek 3 Math. 3 English 1 Graph. Stat. Mat. of Const	English 2 Physics 1A Math 1	Surveying Geol. 1A lab.
2	Phil. 7 Physics 6 German 1 El. Greek	Drawing 1 Chem. 2, 4 lab Economics 1 German 4	Phil. 7 Physics 6 German 1	Drawing 1 Chem. 2, 4 lab Economics 1 German 4	Surveying (F) Drawing 2(W) German 1 Geol. 1 lab	
3	Chem. 1A, lab Physics 6 El. German Phil. 5 English 4	Chem. 2, 4 lab Drawing 1 History 2	Chem. 1A, lab Physics 6 El. German Phil. 5 English 4	Chem. 2, 4 lab Drawing 1 History 2 Phil. 5 English 4	Surveying (F) El. German Drawing 2(W) Geol. 1 lab	
4	Chem. 1A, lab Bib. Lit Physics 6	Chem. 2, 4 lab Drawing 1	Chem. 1A, lab Bib. Lit Physics 6	Chem. 2, 4 lab Drawing 1	Surveying (F) Drawing 2(W)	

The hours for classes not mentioned in this schedule will be arranged to suit those taking them. (W) Winter term only. (F) Fall term only.

Students coming to Halifax for the first time will be met at the train if they notify the Secretary of the time of their arrival.

Any student wishing to know about boarding and lodging accommodation in Halifax should write

MR. W. R. AULD,

Student's Secretary,

Y. M. C. A.

Until September 1st his address is,

Freetown, P. E. I.

after that, care of

Dalhousie College,

Halifax.

CALENDAR

OF

DALHOUSIE UNIVERSITY

HALIFAX - NOVA SCOTIA

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PRINTED FOR THE UNIVERSITY BY WM MACNAB & SON.
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UNIVERSITY ALMANAC, 1914-15.

1914.

- Aug. 26 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. 9 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, Obstetr. and Dis. Women and Children.
- 10 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.).
- 11 F.— 9 a. m., Clinical Surgery.
 9 a. m., Arithmetic and Algebra.
 11 a. m., Geometry.
- 12 Sa.—9 a. m., Clinical Medicine.
- 14 M.—2 p. m., Final Oral Examinations. Results of Preliminary Examination declared and Certificates issued (Prov. Med. Bd.).
- 15 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.).
- 16 W.—9 a. m., **Lectures Begin** (Med. Fac., and all but 4th year Dent. Fac.).
- 17 Th.—10 a. m., Results of L. M. S., Examinations (P. M. Bd.) declared.
- 21 M.— **Last Day for Registration** (Med. Fac., and all but 4th year Dent. Fac.).
- 22 Tu.— **Last day for Receiving Applications* for Autumn Supplementary Examinations** (Law Fac.), **And for Matriculation and Scholarship Examinations** (Arts and Sc. Fac.).
- 23 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.
- 24 Th.— 9 a. m., French; German (if any candidate is 5aking, both the German will be at 11 a. m.).
 3 p. m., History and Geography.
- 25 F.— 9 a. m., English.
 3 p. m., Geometry and Trigonometry.
- 26 S.— 9 a. m., Arithmetic and Algebra.
Registration†† and Payment of Fees Begin (Arts and Sc. Fac.).
- 28 M.— 3 p. m., Meeting of Faculty of Arts and Science.
- 29 Tu.— 9 a. m., **Lectures Begin** (Arts and Sc. Fac.).
 10 a. m., **Session Begins. Registration†† and Payment of Class Fees** (Law. Fac.).
 3 p. m., Supplementary Examinations† begin (Law. Fac.)
- 30 W.— 9 a. m., **Lectures Begin** (Law. Fac.).
 Session begins for 4th year (Dent. Fac.).
Last Day for Registration (Arts and Sc. Fac.).
- Oct. 1 Th.— Last day for Registration for 4th year (Dent. Fac.).
 2 F.— Last day for Registration (Law Fac.).
 7 W.— **Intimation as to Elective Subjects to be made on or before this day** (Arts and Sc. Fac.).
- 15 Th.— 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.
- Dec. 16 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.).

*Fee must accompany Application for Examination.

†For time table see Notice Board.

††Extra fee for late Registration.

- 17 Th.— 9 a. m., Christmas examinations† begin.
 22 Tu.— Last day of Lectures (Law, Med. and Dent. Fac.).
 23 W.— 9 a. m., Christmas vacation begins.

1915.

- Jan. 5 Tu.— 9 a. m., Lectures resumed. Special examinations† begin.
 Feb. 17 W.— Ash Wednesday. No Lectures.
 Mar. 1 M.— Last day for receiving theses for Master's Degree.
 April 2 F.— Good Friday. No Lectures.
 14 W.— Last day for receiving applications for Spring Preliminary and Final Examinations (Prov. Med. and Dent. Bds.).
 15 Th.— Last day for receiving applications* for Spring Supplementary Examinations (Law Fac.).
 17 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.).
 19 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.).
 20 Tu.— Last day of Lectures (Law Fac.).
 22 Th.— Sessional and Supplementary Examinations† begin (Law Fac.).
 24 S.— Last day of Lectures, and for payment of examination fees for 3rd, 4th and 5th years (Med. Fac.).
 28 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 1, 2 and Final.
 29 Th.— 9 a. m., Medicine 1, 2 and Final.
 3 p. m., Surgery 1, 2 and Final.
 30 F.— 9 a. m., Clin. Surr.; Physiol. 4; Med. Jurisp.
 May 1 S.— 9 a. m., Clinical Medicine; Materia Medica.
 3 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.
 4 Tu.— 9 a. m., Meeting of Senate.
 4 p. m., Meeting of Faculty of Medicine.
 5 W.— 9 a. m., Meeting of Senate.
 11 a. m., Results of all examinations declared.
 6 Th.— 3 p. m., Convocation.

Dalhousie University.

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- | | | |
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- M. A. MacAulay, M. D., C. M. (Dal.), *Demonstrator of Ana-*
tomy, 327 Brunswick St.
- Lewis Thomas, M. D., C. M. (Dal.), M. R. C. S. (Eng.),
L. R. C. P. (Lond.), *Demonstrator of Practical Surgery,*
299 Brunswick St.
- E. M. Macleod, Member N. S. Pharm. Soc., *Demonstrator of*
Practical Materia Medica.
- G. A. MacIntosh, M. D., C. M. (Dal.), *Demonstrator of Phy-*
siology, 566 Robie St.
- J. F. Lessel, M. D., C. M. (Dal.), *Demonstrator of Anaesthesia,*
151 South Park St.
- John Rankine, B. A., M. D., C. M. (Dal.), *Assistant Demon-*
strator of Anatomy, Kaye and Albert Streets.
- E. K. Maclellan, M. D., C. M. (Dal.), *Assistant Demonstrator*
of Anatomy, 27 Inglis Street.

Secretary of the Faculty, Dr. A. W. H. Lindsay.

Address all correspondence to the Secretary.

FACULTY OF DENTISTRY. 1914-15.

- A. Stanley Mackenzie, B. A. (Dal.), Ph. D. (J. H. U.), D. C. L. (Vind.), F. R. S. C., *President of the University*, 14 Hollis St.
- Frank Woodbury, D. D. S. (P. C. D. S.), *Professor and Examiner in Prosthetic Dentistry and in History, Ethics, and Jurisprudence*. 318 Pleasant St.
- A. W. H. Lindsay, B. A., M. D., C. M. (Dal.), M. B., C. M. (Edin.), *Professor and Examiner in Anatomy*, 319 Pleasant St.
- A. W. Cogswell, M. D., C. M. (Hfx. M. C.), D. D. S. (U. of P.), *Professor and Examiner in Dental Pathology and Therapeutics*, 105 Hollis St.
- G. H. Fluck, D. D. S. (P. D. C.), *Lecturer in Prosthetic Dentistry*, 122 Hollis St.
- F. W. Ryan, D. D. S. (U. of M.), *Professor and Examiner in Operative Dentistry*, 7 Spring Garden Road.
- E. Mackay, B. A. (Dal.), Ph. D. (J. H. U.), *McLeod Professor and Examiner in Chemistry and Metallurgy*, 24 Harvey St.
- G. K. Thomson, D. D. S. (P. D. C.), *Professor and Examiner in Crown and Bridge Work, Ceramics and Prophylaxis*, **Chronicle Building**.
- W. H. H. Beckwith, D. D. S. (U. of P.), *Lecturer in Operative Dentistry*, 306 Pleasant St.
- Howard L. Bronson, Ph. D. (Yale), *Munro Professor and Examiner in Physics*, 45 Seymour St.
- S. G. Ritchie, B. A. (U. N. B.), D. M. D. (T. D. C.), *Professor and Examiner in Dental Anatomy and Comparative Dental Anatomy*, 59 Granville St.
- W. C. Oxner, D. D. S. (B. C. D. S.), *Lecturer in Crown and Bridge Work and Ceramics*, 66 Spring Garden Road.
- R. E. MacDonald, D. D. S. (P. D. C.), *Lecturer in Operative Dentistry*, **St. Paul Building**.
- F. V. Woodbury, M. D., C. M. (Dal.), L. R. C. S., and L. R. C. P. (Edin.), L. F. P. S. (Glas.), *Professor and Examiner in General and Oral Surgery and Anaesthetics*. 318 Pleasant St.
- W. W. Woodbury, B. Sc. (Dal.), D. D. S. (P. D. C.), *Professor and Examiner in Orthodontia*, 17 Spring Garden Road.
- A. F. Buckley, M. D., C. M. (Dal.), Pharm. Lic. (Montr.), *Professor and Examiner in Materia Medica*, 209 South Park St.
- David Fraser Harris, M. B., C. M., M. D., (Glas.), B. Sc. (Lon.), D. Sc. (Birm.), F. R. S. E., *Professor and Examiner in Physiology and Histology*, 80 South Park St.
- R. H. Woodbury, D. D. S. (P. D. C.), *Lecturer in Prosthetic Dentistry*, 17 Spring Garden Road.
- M. A. Lindsay, B. Sc. (Dal.), M. B., Ch. B. (Edin.), *Professor and Examiner in Pathology and Bacteriology*, 319 Pleasant St.

- W. H. Eagar, M. D., C. M. (McGill), *Lecturer in Roentgenology*,
15 Coburg Road.
- A. W. Faulkner, D. D. S. (Dal.), *Lecturer in Prosthetic Dentistry*,
69 Gottingen St.
- Dr. F. W. Ryan.
Dr. G. K. Thomson.
Dr. W. C. Oxner,
Dr. W. W. Woodbury.
Dr. R. H. Woodbury.
Dr. S. G. Ritchie,
- } *Demonstrators in Dental Subjects.*
- O. Gardiner, *Assistant Demonstrator in Prosthetic Dentistry.*
- C. B. Nickerson, M. A. (Clark), *Instructor in Chemistry*, 115
South Park St.
- G. H. Henderson, B. A., B. Sc. (Dal.), *Instructor in Physics.*
- M. A. MacAulay, M. D., C. M. (Dal.), *Demonstrator in An-
atomy*, 279 Brunswick St.
- J. Rankine, M. D., C. M. (Dal.), *Assistant Demonstrator in
Anatomy*, Kaye and Albert Sts.
- E. K. Maclellan, M. D., C. M., (Dal.), *Assistant Demonstrator
in Anatomy*, 27 Inglis St.

Dean of Faculty, Dr. Frank Woodbury.

Recording Secretary of Faculty, Dr. F. W. Ryan.

All correspondence should be addressed to the Dean, 318 Plea-
sant St.

**ASSOCIATE FINAL EXAMINERS, NOMINATED BY THE
PROVINCIAL DENTAL BOARD OF NOVA SCOTIA.**

- J. T. Roache, D. D. S., *Examiner in Operative Dentistry*, Wolf-
ville, N. S.
- J. M. Magee, D. D. S., *Examiner in Orthodontia*, St. John, N. B.
- E. A. Randall, D. D. S., *Examiner in Crown, Bridge and Cera-
mics*, Truro, N. S.
- C. H. Craig, D. D. S., *Examiner in Prosthetic Dentistry*, Amherst,
N. S.
- H. W. Black, D. D. S., *Examiner in History, Ethics, and Juris-
prudence*, Sydney, N. S.
- H. G. Dunbar, D. D. S., *Examiner in General and Oral Surgery
and Anaesthetics*, New Glasgow, N. S.
- F. W. Wright, D. D. S., *Examiner in Dental Pathology and Thera-
peutics*, New Glasgow, N. S.

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.

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 subscriptions of more than \$420,000. 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. It is expected that both the Science Building and the Macdonald Memorial Library will be ready for occupancy in the fall of 1914.

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.

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 1883.

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.

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 are committees to which are intrusted by the Senate, subject to its approval, the supervision of the teaching of the University, the preparation of regulations governing the courses of study, and the recommendation of suitable candidates for prizes, scholarships, diplomas, and degrees. The University contains Faculties of Arts and Science, Law, Medicine, and Dentistry.

Degrees and Courses.

The Senate confers the degrees of Bachelor and Master of Arts, Bachelor and Master of Science, Bachelor of Music, Bachelor of Laws, Bachelor of Pharmacy, 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, except in Procedure and Practice.

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 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 Murray.

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

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, 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 Shakespeare; 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, the Dean received a number of very generous contributions for a Library. A useful collection of Law books was secured, partly through the exertions of the late J. T. Bulmer. 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 (16000 volumes and 30.000 pamphlets), the Legislative Library (21000 volumes), the Citizens' Free Library (31000 volumes), the Library of the Presbyterian Theological College (11000 volumes), and the Nova Scotia Barristers Society Library (18000 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, be-

sides 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 30 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 25 students doing simultaneous work.

The present laboratories of Physics, Chemistry, Geology and Drawing in that building will be utilized to increase the laboratory, museum and library accommodation of the Medical and Dental Schools.

ADMISSION.

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.

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 have attended and passed recognized as qualifying for that degree. The requirements in the various faculties are as follows:—In the faculties of Arts and Science and of Law a Matriculant is one who has passed in English and in at least two other subjects of Matriculation. In the faculty of Dentistry a Matriculant is one who has five subjects of Matriculation to his credit; and in the faculty of Medicine one who has five 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.

Admission of Students.

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

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

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 examination or by presenting certificates which will be accepted as equivalent.

The Matriculation examination will be held at the University, and at such other places as the Senate may

appoint, on September 23rd to 26th, 1914. For the time-table of the examination see the University Almanac (p. iv.)

Candidates for the Matriculation examination 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 session of 1914-5 is Tuesday, September 22nd, 1914.

Candidates for a degree in Arts, Science, Music, Pharmacy, Law, Medicine, or Dentistry are required to pass in six subjects as follows:

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:—

Subject.	For Degrees in Arts, Pharmacy, Law, Medicine and Dentistry.	For Degrees in 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*; Shakespere, *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 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, *Gallic 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.—Enault, *Le Chien du Capitaine*; Perret, *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 accidence and easy rules of syntax; easy sight translation from German into English and from English into German.

Candidates who pass in three or more subjects, but fail to pass the examination as a whole, will be exempted from such subjects should they appear as candidates on any subsequent occasion.

Certificates Exempting from Examination.

Candidates who hold one or more of the following diplomas, licenses or certificates are 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.

The Faculty of Law, in addition to the foregoing certificates, etc., will accept as the equivalent of Matriculation, a certificate stating that the candidate has passed the Preliminary Law examination in any of the Provinces of Canada, or in Newfoundland, or in any of the British West India Islands.

The Faculty of Medicine will accept only those certificates which are recognized by the Provincial Medical Board as equivalent to their Preliminary examination.†

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. 24. See also the terms of affiliation with Prince of Wales College, p. 6.

*The certificates of Grade XI standard, issued by the Education Department of Nova Scotia in 1910 and subsequent years, are accepted for the Matriculation subjects which they cover, provided the *average* mark obtained in these subjects is at least 60 per cent. and the *minimum* mark not less than 50 per cent. The minimum mark accepted in English is 60 per cent., and no certificate is accepted unless the required standard is reached in at least three subjects. For the present the percentage required in certificates issued prior to 1910 is 50 in each subject. When any one of the 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 obtained for the subject. Marks obtained in the subjects other than those required for Matriculation are not considered. A mark of 40 per cent. in a subject received on a Grade XII Certificate will exempt from Matriculation in that subject.

†All information with reference to the requirements for this examination, exemptions granted, etc., may be obtained on application to the Registrar of the Board, Dr. A. W. H. Lindsay, 319 Pleasant Street, Halifax.

Students are admitted to the second year of 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 before entering any class or taking any examination. After registration and payment of fees a student is given a certificate, on presentation of which to the professors and lecturers whose classes he is entitled to attend his name is entered on the class register.

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 boarders 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; and a copy is also furnished the Secretary of the University Young Men's Christian Association.

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, 101 South Park St., Halifax, N. S.

Church Attendance.

All students not residing with parents or guardians are required to report to the President on or before the day appointed in the University Almanac (October 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 building and on the premises of the College. Every professor or officer of the University is required to re-

port 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, the specific punishment to be inflicted by the Senate is recommended by the Council, after it has held an investigation in the matter.

Irregularity of attendance, except for approved reasons, or neglect of 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 librarian. This deposit is returned when the books are replaced in the library.

Academic Costume.

Undergraduates 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 of black stuff, and hoods. The distinctive

part of the costume is the hood. The following are the kinds of hoods appointed for the various degrees:

- B. A.—Black stuff lined with white silk and bordered with white fur.
- M. A.—Black stuff lined with crimson silk.
- B. Sc.—Black stuff lined with white silk and bordered with white silk.
- M. Sc.—Black stuff lined with scarlet silk.
- B. E.—Black stuff lined with white silk and bordered with dark green silk.
- B. Mus.—Black stuff lined with white silk and bordered with lavender silk.
- LL. B.—Black stuff lined with white silk and bordered with gold coloured silk.
- M. D.—Black stuff lined with scarlet silk and bordered with white silk.
- D. D. S.—Black stuff lined with scarlet silk and bordered with gold coloured silk.
- LL. D.—Black silk lined with purple silk.

Doctors of laws shall be entitled to wear gowns 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. 53.)

Faculty of Arts and Science

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,	Chemistry,
Greek,	Political Economy,	Mineralogy,
Biblical Literature	Philosophy,	Geology.
French,	Mathematics,	Biology,
German,	Astronomy,	Physiology.
English,	Physics,	

For details of subjects studied in the above classes see Courses of Instruction, p. 55, *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 7th, 1914.

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.

C. *For Engineering* — Drawing 1, Drawing 2, Surveying, Kinematics.

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 Wednesday Sept. 16th, 1914.

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

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, Physics 1A and 6, Chemistry 4, Geology 2, French 1 or German 1.

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 42). The following schedule in which the classes are arranged in years shows the order recommended for undergraduates *not taking the affiliated courses*.

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* 1A.

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 1A, or 1B, or Geology 1, or Biology 1.
- 4—10. Eight other classes selected from the subjects specified on page 20.

Ordinary Course for Bachelor of Science.

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

- (i) Two in each of the following: English, French, German.
- (ii) One in each of the following: Mathematics, Physics, Chemistry, Drawing.
- (iii) Eleven classes, so selected from the following groups that at least one class shall be chosen from each group, and not more than four from groups B and C taken together:
 - A. Mathematics, Physics, Chemistry, Geology, Mineralogy, Astronomy, Biology, Physiology.
 - B. Philosophy, History, Political Economy.
 - C. English, French, German, Latin, Greek.

The details of subjects studied in the above classes will be found under Courses of Instruction, p. 55, *et seq.*

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

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 20).

Lists of the elective classes chosen must be submitted for approval not later than Wednesday, October 7th, 1914.

Affiliated Courses.

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

D. *For Engineering* —Drawing 2, Surveying and Kinematics.

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

E. *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 Wednesday, Sept. 16th, 1914.

An undergraduate who elects group D 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, provided he takes Shop-work as an additional class.

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 Medicine 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 42). The following schedule in which

the classes are arranged in years shows the order recommended for undergraduates *not taking the affiliated courses.*

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. German.
3. English 2.
4. Mechanics, *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 C.
- 2—10. Nine classes, selected in accordance with the requirements stated above (p. 22).

Admission to Advanced Standing.

Students entitled to Matriculant or Undergraduate standing in Arts or Science who present any of the certificates specified below, shall 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 shall 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:

*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.

- *(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 Licenses of New Brunswick;
- (d) Diplomas of the Associate 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 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 44) 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.

Degree of Bachelor with Honours.

An undergraduate who has passed in at least *nine* classes of the ordinary Arts and 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.)

*The standard required in the certificates of Grade XII issued by the Education Department of Nova Scotia in 1908 and subsequent years is 50 per cent. See also foot note p. 14).

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) Economics and History, (vi) Philosophy, (vii) Mathematics, (viii) Physics, (ix) Chemistry and Chemical Physics, (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 and Chemical Physics, 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.

Undergraduates taking the Honour course in Classics shall be examined in the following subjects:

Latin.

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

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

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

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

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

Greek.

I. Aeschylus: *Eumenides*, *Prometheus Vinculus*. Sophocles: *Oepidus Coloneus*, *Philoctetes*. Aristophanes: *Frogs*, *Knights*. Homer: *Odyssey*, V-VIII. Thucydides: II, III. Plato: *Republic*, I-IV. Demosthenes: *De Corona*. Aristotle: *Poetics*.

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

III. **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*; Jebb, *Introduction to Homer*; Mahaffy, *History of Greek Literature*; Haigh, *Attic Theatre*).

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

11. 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 shall be examined in the following subjects:

Latin.

The Latin subjects prescribed for the Honour course in Classics.

English.

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

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

Marlowe: *Tamburlaine*, *Edward II*, *The Jew of Malta*. Greene: *Friar Bacon and Friar Bungay*. Jonson: *The Alchemist*, *Every Man in His Humor*. Beaumont and Fletcher: *Philaster*, *The Knight of the Burning Pestle*. Massinger: *A New Way to Pay Old Debts*. Webster: *The Duchess of Malji*. 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 (Ginn & Co.), Hooker Church (Clarendon Press); Bacon, *Advancement*, Wright (Clar. Press); *Essays*, (Wright, G. T. Series). History of Literature; Ten Brink, *Saintsbury*, Brooke (Clarendon Press). "Mermaid," "Temple Dramatists," "Belles Lettres," and Arber editions of Elizabethan works.

In awarding Honours, the thesis for Distinction in English 4 or English 5 will be taken into consideration.

III. Greek and English.

Preliminary Classes.—Greek 1 and 2, and English 1 and 2. Prospective candidates are strongly recommended to take German.

Candidates shall be examined in the following subjects:

Greek.

The Greek subjects prescribed for the Honour course in Classics.

English.

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

IV. English and History.

Preliminary Classes.—English 1 and 2, and History 1.

Candidates shall be examined in the following subjects:

English.

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

History.

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

V. Economics and History.

Preliminary classes.—Economics 1, and History 1.

Economics.

I. Economic Theory.—Marshall: *Principles of Economics*. Bastable: *Public Finance*. Adam Smith: *Wealth of Nations* (Book IV). Smart: *Introduction to the Theory of Value*. Ingram: *History of Political Economy*.

II. Theory and History of Exchange.—The works recommended for Economics 3.

III. Economic History.—Cunningham: *Growth of English Industry and Commerce*. Ashley: *Economic History*. Webb: *History of Trade Unionism*. Hobson: *Evolution of Modern Capitalism*. Canada and its Provinces (selected portions).

History.

I. The Middle Age.—The works recommended for History 2.

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

III. The eighteenth Century and the French Revolution.—The works recommended for History 3 along with Young: *Travels in France*. Morse Stephens: *History of the French Revolution*.

VI. Philosophy.

Preliminary Class.—Philosophy I.

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

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

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

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

V. History of Modern Philosophy.—Locke: *Essay on 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.

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

VII. Mathematics.

Preliminary Classes.—Mathematics 3, 4, Mechanics, Physics 1A.

Undergraduates taking the Honour course in Mathematics are recommended to take German and Mechanics in their first and second years, and Physics 1A 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, and Physics, 2, 3, and 4. The standard of attainment shown in the examinations in Physics 2 and 3 will be considered in estimating the results of the final examinations of the Honour course.

The subjects of examination shall be as follows:—

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 3, 4, Mechanics, Physics 1A.

Undergraduates taking the Honour course in Physics are recommended to take German and Mechanics 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 estimating the results of the final examinations of the Honour course.

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 subjects of examination shall be as follows:

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 and Chemical Physics.

Preliminary Classes.—Chemistry 1A and 2, Physics 1B, Mathematics 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. In estimating the results in the final examination of the Honour course, the standard of attainment shown in the following Physics and Chemistry classes will be considered:—Physics 2 and 3 (Distinction courses), Physics 8, and Chemistry 5, 6, 7 and 8.

Candidates shall be examined in the following subjects:

I. Inorganic and Physical Chemistry.—Ostwald, *Principles of Inorganic Chemistry*; Jones, *Elements of Physical Chemistry*; selected portions of Le Blanc's *Text-book of Electro-Chemistry*, and of *Text-books of Physical Chemistry*, Edited by Sir William Ramsay. The requirements in Physical Chemistry are in large part covered by the class-work of Chemistry 6.

II. Organic Chemistry.—Bernthsen, *Organic Chemistry*; Lachman, *Spirit of Organic Chemistry*.

III. 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* (Alembic Club Reprints, No. 10); Liebig and Woehler, *Ueber das Radikal der Benzoësäure* (Ostwald's *Klassiker*, No. 22); Liebig, *Ueber die Constitution der organischen Säuren* (Ostwald's *Klassiker*, No. 26).

IV. 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.

V. Chemical Physics.—Those sections of Physics which have an intimate bearing upon chemical research, viz., the properties of gases and liquids, including the kinetic theory of gases, the conduction of electricity through gases, radio-activity and the theory of heat, electrolysis.

A large part of the requirements in Chemical Physics is based on the work of the classes known as Physics 2, and 3.

X. Geology and Geological Chemistry.

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

Prospective candidates are recommended to take German.

The subjects of examination will be the following:

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

Master of Arts or 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. 15). 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 rule, 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 day 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.

The following two-year schedule is arranged for students who enter with Advanced Standing (p. 24) in English and Mathematics. The time required for the work of each class in lecture-room and laboratory or drawing room is expressed in hours per week for the session. Details of the class-work and hours of meeting of classes will be found under Courses of Instruction (p. 55, *et seq.*)

First Year.

	Lecture Hours.	Labora- tory Hours.
Mathematics 3 (Analytic Geometry)	3	
Mechanics	2	
Chemistry 1A	3	4
Geology 1A	3	3
English 2	3	
Drawing 1 (Mechanical Drawing)	0	10
Drawing 2 (Descriptive Geometry)	1	2
Shop-work		

Second Year.

Mathematics 4 (Calculus)	3	
Physics 1A (General Physics)	3	
Physics 6 (Laboratory)	0	5
Chemistry 4 (Qualitative Analysis)	1	5
Kinematics of Machines	3	
Surveying	2	6
Shop-work		

If the student has not passed at entrance the three remaining subjects of Matriculation, History and Geography, Latin, French or German, he must pass them before entering the second year of the course. But if he enters with Advanced Standing in the modern language no matriculation in Latin is required.

For students who are at least Matriculants and have not Advanced Standing, as above, three years will be necessary to complete the course, and the following schedule is arranged:—

First Year—English 1, French 1, Mathematics 1, Drawing 1, Chemistry 1A, Geology 1A.

Second Year —English 2, Mathematics 3, Drawing 2, Chemistry 4, Mechanics.

Third Year —Mathematics 4, Physics 1 and 6 Kinematics, Surveying.

Matriculation must be completed before the student can enter the second year of the course.

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

Candidates for any examination must have passed Matriculation in English (see p. 12), and before proceeding to the examinations of the final year they must have completed Matriculation, and, in addition, must have satisfied the department of Modern Languages that they have a good reading knowledge of French and German.*

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

*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.

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. 40.)

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 ap-

proved 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.

Beethoven, E \flat , or G Major.
Schumann, A minor, or Concertstücker.
Chopin, E minor or F minor.

Group II.

Rubinstein, D minor.
Grieg, A minor.
Saint-Saens, G minor.
Liszt, E \flat major.
Tschaikowski, B \flat minor.

II. 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 combina-

tion 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>Tschaikowski-Lemare</i> —	Overture. Fantasia (Romeo and Juliette).
<i>Lemare</i>	Concert Fantasia and Fugue.
<i>Reger</i>	Zehn Stücke, Op. 69, Book I, 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>Guilmant</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.

East 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-Wilhelmj</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>	Chiaccone (for solo violin).
<i>Tartini</i>	Le trille du Diable.

Any sonata by Schumann, Grieg, Rubinstein, Rheinberger, Schütt, 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 Panofka, 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:

- Rossini* Bel raggio (Semiramide)
Strauss Du meines Herzens Krönelein.
Schubert Die Sterne.
Schubert Die Taubenpost.
Haydn With verdure clad (Creation).
Schumann He the best of all.
Chadwick The Danza.
Liszt Die Loreley.
Massenet Il est doux, il est bon (Herodiade).

Third Year.

To sing from memory the following selections:

- Schubert* Die Erlkönig.
Schubert Der Zwerg.
Strauss Cäcilie.
Strauss Frühlingsfeier.

And any three of the following arias:

- Bizet* Habenera (Carmen)
Donizetti Mad Scene (Lucia).
Gounod Jewel Song (Faust).
Gounod Plus grand dans son obscurité (La Reina di Saba).
Meyerbeer Ombra Leggiera (Dinorah).
Rossini Una Voce poco fa (Il Barbiere di Siviglia).
Tschaikowski Adieu forêt (Jeanne d'Arc).
Wagner Elizabeth's Prayer (Tannhäuser).
Wagner Elsa's Dream (Lohengrin).

Compositions.

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

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

Candidates for the diploma must have passed Matriculation in English (see p. 12) before taking any examination, and in all other respects must conform to the same regulations as candidates for the degree.

General Regulations for Courses in 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 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.

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 certificates and fees. (For fees see p. 53).

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 passed 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 purposes 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. 55 *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.

	Lecture hours.	Laboratory hours.
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. 53.) 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 REGULATIONS.**Admission to Classes.**

1. Candidates for a degree must pass the Matriculation examination (pp. 11-14). Only those classes which a student attends as an undergraduate or matriculant are recognized as qualifying for a degree in Arts or Science. In order to be a Matriculant in this Faculty the student must have passed Matriculation 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.

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 pre-

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

scribed 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. 55 *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.

Candidates for a degree or certificate 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 may be excluded from the Christmas examinations in that class, and in such case his attendance is not recognized as qualifying for a degree.

Class-work.

Candidates in order that their class-work may be recognized as qualifying for a degree or certificate, must 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 any 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 Autumn or Spring 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 to be remitted with the notice. For fees for Supplementary and Special examinations, see p. 53.

*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 1914, and probably in 1915, 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 1914, 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-

nually among those obtaining Distinction at the University Matriculation examination 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 this 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 1A, 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, 1914. 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.

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.

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

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 7th, 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 7th, 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 Deposit, p. 53.

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 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 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 given on examination or thesis).....	20 00
<i>Ad eundem gradum</i> diploma.....	10 00
Additional fee for any 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 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 matriculation examination taken by a Matriculant after his second Autumn term of attendance at the University will be charged for as a Special

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.....Frank D. Graham, B. A.

Latin.

1. *Monday, Wednesday, and Friday, 11 A. M.—12 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*. (Kelsey's,
Allyn & Bacon, Boston, \$1.25). Vergil, *Aeneid*, Book VI. (Page's, Macmillan,
Toronto, 35 cents). Vergil, *Aeneid*, Book IV. (Stephenson's, Macmillan, Toro-
to, 35 cents). Bradley's Arnold's *Latin Prose Composition*. (Longmans, London,
5s.) Allen & Greenough's, *New Latin Grammar*, (Ginn & Co., Boston, \$1.20).
2. *Monday, Wednesday, and Friday, 10—11 A. M.*
Pre-requisite.—Latin 1.
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 Transla-
tion.
Books Recommended: *Livy*, Book I and Selections Books II-X, (Dennison'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. (1914-15) *Tuesday and Thursday, 10—11 A. M.*
Pre-requisite.—Latin 2.
Tacitus, *Histories*, Book I; Horace, *Selected Satires*; *Tacitus
Histories, Book II; *Vergil, *Bucolics*. Latin Prose Composition.
Exercises in Sight Translation.
Books Recommended: Tacitus. *Histories*, Books I and II, (Moore's,
Macmillan, Toronto, 60 cents). Horace, *Satires and Epistles*, (Rolf's, Allyn and
Bacon, Boston, \$1.40). Vergil, *Bucolics*, (Page's, Macmillan, Toronto, 35 cents).
4. (1915-16) *Tuesday and Thursday, 10—11 A. M.*
Pre-requisite.—Latin 2.
Plautus, *Trinummus*; Juvenal, *Satires*, III, V, X, XIII; Tac-
itus, *Germania*; *Tacitus, *Annals*, Book IV; *Lucretius, *De
Rerum Natura*, Book III: Latin Prose Composition. Exercises
in Sight Translation.

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, 3s. 6d.). Xenophon, *Agesilaus*, (Hallstone's, Cambridge University Press, 2s. 6d.). North & Hillard's *Greek Prose Composition*, (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, *Timon* (as in Inge & Macnaghten's edition); *Homer, *Odyssey*, Book XII. Greek Prose Composition. Exercises in Sight Translation.

Books Recommended: Lucian, *Selections*, (Inge & Macnaghten's, Longmans, 3s. 6d.). Homer, *Odyssey*, Book IX, (Edwards, Cambridge University Press, 2s. 6d.). *Odyssey*, Book XII. (von Mickwitz's, Ginn & Co., Boston, 40 cents). North & Hillard's *Greek Prose Composition*, (Rivingtons, London, 3s. 6d.).

3. (1914-15) Tuesday and Thursday, 12—1 P. M.

Pre-requisite.—Greek 2.

Demosthenes, *Philippics*, I-II; Euripides, *Medea*; *Demosthenes, *Olynthiacs*; *Euripides, *Alcestis*. Greek Prose Composition. Exercises in Sight Translation.

Books Recommended: Demosthenes, *Philippics*, (Abbott & Matheson's, Oxford University Press, 2s. 6d.). Euripides, *Medea*, (Verrall's, Macmillan & Co., Toronto, 60 cents). Demosthenes, *Olynthiacs*, (Glover's, Camb. Univ. Press, 2s. 6d.). Euripides, *Alcestis*, (Bayfield's, Macmillan & Co., Toronto, 45 cents).

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.

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

Advanced Classes.

Professor	Howard Murray, B. A., LL. D.
Lecturers	{ J. W. Logan, M. A.
	{ G. K. Butler, M. A.

Latin 5.—(1914-15) Terence, *Phormio*; Vergil, *Georgics*, I, IV; Horace, *Epistles*, I, II, *Ars poetica*; Juvenal, *Satires* I, VII, VIII-XIV; Cicero, *Philippic* I, *Pro Cluentio*; Livy, XXI, XXII.

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

Greek 5.—(1914-15) Aeschylus, *Eumenides*, *Prometheus Vinculus*; Sophocles, *Oedipus Coloneus*; 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 1. Students whose work throughout the session has been satisfactory will be admitted to a Matriculation examination in Latin, held in April.

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

The first book to be used will be Collar & Daniell's *First Year Latin*, (Ginn & Co., Boston, \$1.00). Other books will be announced at the beginning of the session.

Elementary Greek.

Tuesday, Thursday and Saturday, 11—12 A. M. Monday, 2—3 P. M.

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 1. The books used will be White's *First Greek Book*, (Ginn & Co., Boston, \$1.25); and Colson's *First Greek Reader*, (MacMillan & Co., Toronto, 75 cents).

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 1.

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 in 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*; Lake, *The Text of the New Testament*; Mathews, *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: Kittel, *Biblia Hebraica, or Hebrew Bible*, issued by B. and F. B. Society. Davidson, *Hebrew Grammar*.

Books Recommended: Fagnani, *Primer of Hebrew*. Gesenius-Kautzsch, *Hebrew Grammar*, (trans. by Collins and Crowley). Brown-Briggs-Driver, *Hebrew Lexicon*.

IV. Modern Languages,

(*McLeod Professorship*).

Professor Howard P. Jones, Ph. D.

French.

*1. *Tuesday and Thursday, 10-11 A. M.*

Pre-requisite—Matriculation French.

Sandau, *Sacs et Parchemins* (MacMillan & Co.); Corneille, *Le Cid* (Holt & Co.); Bazin, *Contes Choisis* (D. C. Heath & Co.); Weekley, *Groundwork of French Composition* (Univ. Tut. Press). Exercises in Syntax and Sight Translation. Additional for Distinction: Gréville, *Dosia* (Heath & Co.); Jago, *La France qui travaille*; History of French Literature.

2. [1915-6.] *Tuesday and Thursday, 9-10 A. M.*

Pre-requisite—French 1.

Bazin, *Les Oberlé* (Holt & Co.); Delavigne, *Louis XI*; Taine, *Selections* (Blackie & Son). French Prose Composition, Conversation, History of French Literature. Additional for Distinction: Hugo, *Selections in Prose and Verse*, *Hernani* (Holt & Co).

3. [1914-15]. *Tuesday and Thursday, 9-10 A. M.*

Pre-requisite.—French 1.

Barlet and Masom, *French Prose Reader* (Univ. Tut. Press); Molière *Le Misanthrope*; Gauthier, *Scenes of Travel* (Clarendon Press). French Prose Composition, Conversation, Dictation. History of French Literature with special reference to the 19th century. Additional for distinction: Hugo: *Les Misérables*; Corneille, *Nicomède* (MacMillan & Co).

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

4. [1914-15]. *Monday and Wednesday, 9-10 A. M.*

Balzac, *Ursule Mirouet* (Whittaker & Co.); Boileau, *Selections* (Heath & Co.); Weekley, *A Higher French Reader* (Univ. Tut. Press). Advanced French Prose Composition (Spiers), Conversation. Duval, *Histoire de la Littérature Française* (Heath & Co.); Gazier, *Dictionnaire Français* (Colin, Paris); Galandy et Balaïgnac, *Vocabulaire Analogique*. Additional for Distinction: Balzac, *Eugénie Grandet*; Rostand, *Cyrano de Bergerac*; Duval, *Littérature Française* (selected period).

5. [1915-6.] *Monday and Wednesday, 9-10 A. M.*

Balzac, *Pages Choisies* (Colin, 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); Galandy et Balaïgnac, *Vocabulaire analogique* (Paris, Delagrave); Conversation. Duval, *Histoire de la Littérature Française*. Additional for Distinction: Cherbuliez, *Le comte Kostia*; Molière, *Les femmes savantes*; Faguet, *Dix-septième siècle*.

German.**Elementary German.**—*Monday, Wednesday and Friday, 3-4 P. M.*

Harris, *German Lessons* (D. C. Heath & Co.); Jones, *A German Reader* (D. Appelton & 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* (Heath & Co.); Baumbach, *Der Schweigersohn* (Holt & Co.); Freytag, *Die Journalisten*; German Syntax (von. Jagemann). Prose Composition (Pope). Exercises in Sight Translation.

Additional for Distinction; Storm, *Auf der Universität*. Schiller, *Maria Stuart* (Acts I, II and III); History of German Literature.

2. [1915-16]. *Tuesday and Thursday 2-3 P. M.*

Pre-requisite.—German I.

Schiller, *Das Lied von der Glocke* (Heath & Co.); Freytag, *Soll und Haben* (Heath & Co.); Paszkowski, *Lesebuch*. German Prose Composition, Conversation, Dictation. History of German Literature (selected period).

Additional for Distinction: Sudermann, *Frau Sorge*; Scheffel, *Der Trompeter von Sakkingen*.

3. [1916-17]. *Tuesday and Thursday, 2-3 P. M.*

Pre-requisite.—German I.

Goethe *Hermann und Dorothea*; Heine, *Die Harzreise* (Ginn & Co.); Schiller, *Wallensteins Tod* (Heath & Co.); German Prose Composition, Conversation, Dictation. Egelhaaf, *Grundzuege der deutschen Literaturgeschichte*.

Additional for Distinction: Dahn, *Ein Kampf um Rom*; Goethe, *Egmont*.

4. [1914-15] *Tuesday and Thursday, 2-3 P. M.*

Pre-requisite.—German 1.

Paszkowski, *Deutsches Lesebuch*; Suderman, *Fran Sorge*, Goethe, *Iphigenie*. German Prose Composition. Conversation, Dictation. History of German Literature (selected period).

Additional for Distinction: Hauff, *Lichtenstein* (ed. King, Holt & Co.); Fulda, *Der Talisman*.

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. [1914-15.] *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*. Astley, *Prehistoric Archaeology and the Old Testament*. Cornill, *The Prophets of Israel*. Relevant articles in Hastings' *Dictionary of the Bible*.

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

Books Recommended: Burton, *Introduction to the Gospels*. Relevant articles in Hastings' *Dictionary of the Bible*.

2. [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: MacFayden, *Introduction*; Dods, *The Bible, its Origin and Nature*; Saunders and Kent, *The Messages of the Bible*; Jackson, *Studies in the Old Testament*.

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

Book Recommended: Ropes, *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 Feast*; Pope, *Rape of the Lock*; Gray, *Elegy in a Country Churchyard*; Goldsmith, *Traveler, Deserted Village*; Burns, *Twa Dogs, Cotter's Saturday Night*.

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

Candidates for Class Distinction will be examined in these additional works which are not read in class. Dryden, *Absalom 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. Shakespere, *Henry V, Twelfth Night, Julius Caesar*; Milton, *L'Allegro, Il Penseroso, Lycidas, Comus, Sonnets, Paradise Lost*, Bks. i, ii. Lectures.

For reference: Sidney Lee, *A Life of William Shakespere*; Dowden, *Shakespere Primer*; Saintsbury, *History of the Elizabethan Literature*.

Candidates for Class Distinction will be examined in the following plays which are not read in class: *Richard III, Midsummer Night's Dream, Coriolanus*.

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

3. Tuesday and Thursday, 3-4 P. M.

Pre-requisite.—English 2.

Literature.—Middle English and Pre-Shakesperean, 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 Prioress'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.**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. *Monday and Wednesday. 3—4 P. M. Not given in 1914-15.*

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, *David Copperfield*, (Everyman's Library). Thackeray, *Vanity Fair*, (Everyman's Library). Carlyle, *Sartor Resartus*, ed. MacMechan, (*Athenaeum Press Series*.)

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

For Distinction, as in English 4.

6. *Monday, and Wednesday (Hours to be arranged)*

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. (Not given in 1914-15)*

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

This course is conducted as a Seminary.

***Note.** This course will be given, if a sufficient number of students apply for it.

VII. Economics and History.

Professor James Eadie Todd, M. A.

Economics.

1. **Economic Theory.**—*Tuesday and Thursday, 2—3 P. M.*

Pre-requisite.—Matriculation English.

Text Books: Gide, *Principles of Political Economy*.

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

2. **Economic History.**—Monday and Wednesday, 11—12 A. M.

Pre-requisite.—Economics I.

Text Books: Cunningham and McArthur, *Outlines of English Industrial History*. Bogart, *Economic History of the United States*.

Books Recommended: Cunningham, *Growth of English Industry and Commerce*. Ashley, *Economic History. Canada and its Provinces* (Selected portions).

3. **Theory and History of Exchange.**—Monday and Wednesday, 11—12 A. M. Special Course (not given in 1914-15)

Text Books: Jevons, *Money*. Scott, *Money and Banking*.

Books Recommended: Walker, *Money*. Bastable, *Theory of International Trade*. Conant, *History of Modern Banks of Issue*. Dodd, *History of Money in the British Empire and the United States*.

History.

1. **Ancient and Early Mediaeval History.**—Monday, Wednesday and Friday, 10—11 A. M.

Pre-requisite.—Matriculation History and Geography.

Text Books: Botsford, *History of Rome*. Oman, *The Dark Ages*.

Books Recommended: Ferrero, *Greatness and Decline of Rome*. Bury, *History of the later Roman Empire*. Cambridge *Mediaeval History*, Vols. I and II.

2. **The Middle Age.**—Tuesday and Thursday, 3—4 P. M.

Pre-requisite.—History I.

Text Books: Tout, *The Empire and the Papacy*. Lodge, *The Close of the Middle Ages*.

Books Recommended: Fisher, *The Mediaeval Empire*. Archer and Kingsford, *The Crusades*. Sismondi, *History of the Italian Republics* (Boulting's edition).

3. **Modern History.**—Tuesday and Thursday, 3—4 P. M. Special Course (not given in 1914-15). The History of Europe from the death of Louis XIV to the fall of Napoleon.

Text Books: Hassall, *Balance of Power*. Rose, *The Revolutionary and Napoleonic Era*.

Books Recommended: Armstrong, *Elizabeth Farnese*. Perkins, *France under Louis XV*. Carlyle, *French Revolution* (Fletcher's edition). Rose, *Life of Napoleon*.

4. **English History to 1485.**—Tuesday and Thursday, 3—4 P. M. (not given in 1914-15).

Pre-requisite.—History I.

Text Books: Tout, *Advanced History of Great Britain*. Bell's *English History Source Books* (Vols I to VI).

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

VIII. Constitutional History.

The classes in Constitutional History, conducted by Professor Weldon in the Faculty of Law, and the examinations conducted in this subject by the Faculty of Law, are recognized as qualifying for a degree in Arts, when offered by a student taking the affiliated course in Law.

IX. Contracts, Torts, and Crimes.

The classes in Contracts, Torts, and Crimes conducted by the Faculty of Law, and the examinations conducted in these subjects by the Faculty of Law, are recognized as qualifying for a degree in Arts when offered by a student taking the affiliated course in Law.

X. Philosophy.

(George Munro Professorship.)

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

1. **Logic and Psychology.**—Tuesday, Thursday and Saturday, 10—11 A. M.

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

2. **History of Greek Philosophy.**—(1915-16). Monday and Wednesday. 3—4 P. M.

Pre-requisite.—Philosophy 1.

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

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

Pre-requisite.—Philosophy 1.

Text Books: Plato, *Republic* I-IV; Butler, *Sermons*; MacKenzie, *Manual of Ethics*; Mill, *Utilitarianism*; Sidgwick, *History of Ethics*. On Ethical Theory: Sidgwick, *Methods of Ethics*; Rashdall, *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.** (1915-16). Monday and Wednesday. 2—3 P. M.

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

5. **History of Moral Ideas.** (1914-15). Monday and Wednesday, 3-4 P. M.

Text Books: Lecky, *History of European Morals*.

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

6. **Metaphysics.**—(1914-15). Tuesday and Thursday, 9-10 A. M.

Pre-requisite.—Philosophy 1.

Text Book: Taylor, *Elements of Metaphysics*.

7. **History of Philosophy from Descartes.**—(1914-15). Monday and Wednesday, 2—3 P. M.

Pre-requisite.—Philosophy 1.

XI. Mathematics.

Professor Murray Macneill, M. A.

- 1. General Elementary Mathematics.** *Monday, Wednesday and Friday, 12—1 P. M.*

Pre-requisite.—Matriculation Mathematics.

Geometry.—Euclid Book VI; Proportional Geometry, Measurement 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's *Solid Geometry and Conic Sections*; Murray's *Plane and Spherical Trigonometry with Tables*; Hawkes' *Higher Algebra*, (Ginn & Co).

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

- 3. Analytic Geometry.**—*Tuesday and Thursday, 12-1 P. M.*

Pre-requisite.—Mathematics 1.

Text Books: 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 Books: Granville *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.** *Tuesday and Thursday 11—12A. M.* 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.**—(1914-5) Murray's *Differential Equations*, with supplementary lectures.

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

- 9. Projective Geometry.**

XII. 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.

Book Recommended: Young, *General Astronomy*.

XIII. Physics.

(*George Munro Professorship*).

Professor Howard L. Bronson, Ph. D.

Instructor J. H. L. Johnstone, B. Sc.

Lecture Courses.

Mechanics.—*Tuesday and Thursday, 11—12 A. M.*

Pre-requisite.—Matriculation Mathematics.

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

Text Books: Glazebrook, *Mechanics and Hydrostatics*; Duff, *Mechanics*.

For Distinction: MacGregor, *Kinematics and Dynamics*.

1. General Physics.—*Monday, Wednesday and Friday, 9—10 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: Kimball, *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 one of which meets on Thursday from 11—1 a. m. and the other on Friday from 2—4 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, 12—1 P. M.*

Pre-requisites.—Mechanics and Mathematics. 1.

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: Wright, *Heat*; Hadley, *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, *Alternating Currents*.

3. Elementary Mathematical—Light.—(1914-15)—*Given in alternate years. Monday and Wednesday. 10—11 A. M.*

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

Books Recommended: Preston, *The Theory of Light*; Schuster, *Theory of Optics*; Mann and Millikan'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*; Byerly, *Fourier'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 and Chemical Physics; 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, primarily intended for engineering students.

Books of Reference: Ames and Bliss, *Manual of Experiments in Physics*; Stewart and Gee, *Elementary Practical Physics*; Tory and Pitcher, *Laboratory Physics*.

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

Pre-requisite.—Physics 1 B, 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 Chemical Physics, and for those who desire a larger acquaintance with the experimental side of Physics than is obtained in Physics 1 B.

Books of Reference: Tory and Pitcher, *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*).

<i>Professor</i>	E. Mackay, Ph. D.
<i>Instructor</i>	C. B. Nickerson, M. A.
<i>Assistant</i>	H. B. Vickery.

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. Of these classes Chemistry 3 may also be offered for a degree in Arts or Science. The class for students of Pharmacy, Chemistry 1C (p. 71), cannot be offered for an Arts or Science degree.

1. General Chemistry.—*Monday, Wednesday and Friday, 9-10 A. M. or 11-12 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: *Alembic Club Reprints*; Lassar-Cohn, *Chemistry in Daily Life*.

1A. General Chemistry.—*Monday, Wednesday and Friday, 9-10 or 11-12 A. M. Laboratory: Monday and Wednesday, 3-5 P. M., or Tuesday and Thursday, 10-12 A. 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.

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

Winter 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.—*Autumn 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 Autumn 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. Noyes, *Qualitative Analysis*; Smith, *General Chemistry for Colleges*. For reference: Talbot and Blanchard, *Electrolytic Dissociation Theory*.

Advanced Classes.

These classes are especially intended for candidates for Honours in Chemistry and Chemical Physics; 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: Armitage, *History of Chemistry*; Roscoe, *Dalton and the Rise of Modern Chemistry*; Shenstone, *Justus von Liebig*; Thorpe, *Essays on Historical Chemistry*; Schorlemmer, *Rise and Progress of Organic Chemistry*. Lachman, *Spirit of Organic Chemistry*; Stewart, *Recent Advances in Organic Chemistry*; and selected memoirs from the *Alembic Club Feprints* and Ostwald's *Klassiker*. For reference: Ernst von Meyer, *History of Chemistry*.

6. Physical Chemistry.—1914-15. *Twice a week.*

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

Books Recommended: Walker, *Introduction to Physical Chemistry*; LeBlanc, *Electro-Chemistry*; Ostwald's *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: Renouf; *Inorganic Preparations* (Johns Hopkins Press); Lengfeld, *Inorganic Preparations*; Talbot, *Quantitative Analysis*; Morse, *Exercises in 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: Gatterman, *Practical Methods of Organic Chemistry*, translated by Schober; Cohen, *Practical Organic Chemistry for Advanced Students*.

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

Pre-requisite.—Chemistry 7.

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

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

Pharmaceutical Chemistry.

The following class is 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 in 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.—*Autumn Term.* Systematic study of the elements and their principal compounds, and the fundamental laws and theories of Chemistry.

Winter 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, alumen; 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 nit., 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.

Chemical Laboratory.

The general laboratory is open at the hours specified above under Chemistry 1A, 2, 3, and 4.

The quantitative laboratory is open daily at 9 a. m. It closes on Saturdays at 1 p. m. and on other days at 5 p. m.

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 1 or 1A (which, however, may 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 Autumn term excursions will be made to points of interest around Halifax on Friday afternoons. This will be succeeded by laboratory work of an hour or more 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: Chamberlin and Salisbury, *Geology*; A. Geikie, *Geology*; Young and Brock, *Geology and Economic Minerals of Canada.*

1A. General Geology.—Lectures as in Geology 1.

Pre-requisite.—As in Geology 1.

The work of this class embraces the lectures of Geology 1, 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 1.

2. Physiography and Canadian Geology.—Lectures, Tuesday and Thursday, 10—11 A. M. Laboratory, an hour or more per week.

Pre-requisite.—Geology 1 or 1A.

This course deals with land forms; the ocean; climate; plant, animal, and mineral distribution; man and the effect of natural environment. The latter part of the course will be devoted to the physical features and Geology of Canada.

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

3. Mineralogy and Petrography.—Lectures, two hours a week throughout the year. Laboratory, one afternoon a week, chiefly microscopical.

Pre-requisite.—Chemistry 1A and Geology 1 or 1A (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*; Firsson, *Rocks and Rock Minerals*; Harker, *Petrology for Students.*

4. Mineralogy and Economic Geology.—Lectures, two hours a week throughout the year. Laboratory, two afternoons a week.

Pre-requisite.—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*; Ries, *Economic Geology of the United States*; Kemp, *Ore Deposits of the United States and Canada*.

Advanced Courses.

5. Palaeontology.—Class and laboratory work one afternoon a week throughout the year.

Pre-requisite.—Geology 1 or 1A, Biology 1.

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 a week throughout the year, with field work during the open season.

Pre-requisite.—Geology 1 or 1A.

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

7. Geological Chemistry.—Lectures once a week; laboratory, six hours a week throughout the session.

Pre-requisite.—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, one hour per week; laboratory, four hours per week.

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.

2. General Zoology.—Lectures, two hours per week; laboratory, four hours per week.

Pre-requisite.—Biology 1.

Text Book: Hertwig, *Manual of Zoology*.

3. General Botany.—Lectures, two hours per week; laboratory, four hours per week.

Pre-requisite.—Biology 1.

1C. Pharmaceutical Botany.—Lectures, two hours per week; laboratory, two hours per week.

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

4. Comparative Anatomy of the Vertebrates.—Lectures, one hour per week; laboratory, four hours per week. (1915-16).

Pre-requisite.—Biology 2.

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

XVII. Anatomy.

The classes in Anatomy conducted by the Faculty of Medicine are recognized as qualifying for a degree in Arts or Science. (See "Courses of Instruction," Faculty of Medicine).

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

XVIII. Physiology.

The classes in Physiology conducted by the Faculty of Medicine are recognized as qualifying for a degree. (See "Courses of Instruction," Faculty of Medicine).

Undergraduates who have taken these classes as part of their course are required to present a certificate of having passed the examination of 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.—Ten hours per week throughout the year. 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.* Required of all students proceeding to the degree of B. S.

The object of this course 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.—*Six hours per week during the second term.*

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, three hours per week; field work, six hours per week, first term; drawing, six hours per week, second term.

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; Breed and Hosmer, *Principles and Practice of Surveying.*

XXII. Kinematics and Dynamics of Machines.

Professor J. N. Finlayson, M. Sc.

Lectures, three hours per week throughout the year.

Pre-requisites.—Drawing 1, Mathematics 1; Mechanics and Mathematics 4 may be taken simultaneously.

Kinematics: The work includes constrained motion, kinematic pairing, velocity and acceleration in mechanisms, 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; Schwamb and Merrill, *Mechanism;* Durley, *Kinematics of Machines.*

XXIII. Materials of Construction.

Professor.....J. N. Finlayson, M. S.

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.

XXIV. Graphical Statics.

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

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

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.

Faculty of Law.

Preliminary Statement.

The Faculty of Law was organized in 1883. The curriculum leading to the degree of Bachelor of Laws extends over three years.

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 organization of the Faculty 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 Kings, 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 appoints two co-examiners for each subject of examination, one of whom is 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 the reference books recommended by the lecturer and in the printed syllabus of the Intermediate and Final Examinations of the Nova Scotia Barristers' Society.

If a student have taken and passed the Law School examination in Practice and Procedure previous to October 1908, he is exempted from the Bar Society's examination in "Procedure and Practice."

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.

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 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, may be exempted from the Preliminary Examination;

(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, may be exempted from the Preliminary Examination.

“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 articulated 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 articulated 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. 16-18.

Degree.

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

Academic Year.

The Academic Year consists of one session of about seven months duration. The session of 1914-15 will begin on Tuesday, September 29th, 1914, and end on Thursday, May 6th, 1915.

Admission.

Students are admitted to classes either as Special students without formal examination, or as Matriculants, or Undergraduates.*

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.

Matriculants are admitted to the course for the Law degree as if they had Undergraduate standing; but they are required to complete their Matriculation before being admitted to the second year of the course.

All Undergraduates are admitted to the full work of the first year of the course for the Law degree. For admission to the classes of the second or third year an undergraduate must have passed in at least all but one of the subjects of the preceding year.

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.

Candidates for admission in September, 1914, to the course for the Law degree must present, subject to the conditions given above,

(a) a Certificate of having passed the Matriculation for that degree (see University Calendar, p 12); or

*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 Preliminary or Matriculation examination. All other students are classed as Special students. (See University Calendar page 11).

(b) Diplomas, Licences, or Certificates accepted by the Committee on Admission as equivalent to (a) (see University Calendar, p. 13); or

(c) a Certificate of having passed the Preliminary Law Examinations in any of the Provinces of Canada, or in Newfoundland, or in any of the British West India Islands.

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.

IMPORTANT NOTICE. Beginning with the session of 1915-6 the requirements for entrance to the Law School will be raised. A candidate 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.

Curriculum*

First Year.

	Hours per week.
1. Constitutional History	2
2. Contracts	2
3. Torts	2
4. Crimes	1
5. Evidence 1	1
6. Real Property, <i>or</i> Wills and Administration	1

*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 6th, 1915 only, and that the Faculty, while fully sensible of its obligations towards the students, does not hold itself bound to adhere absolutely to the curriculum and conditions now laid down.

Faculty of Law.

Second Year.

	Hours per week.
1. Constitutional Law.....	2
2. Shipping.....	1
3. Equity Jurisprudence 1, <i>or</i> 2.....	1
4. Bills and Notes, <i>or</i> Sales.....	1
5. Evidence 2.....	1
6. Insurance.....	1
7. Wills and Administration, <i>or</i> Real Property ...	1

Third Year.

1. International Law.....	1
2. Conflict of Laws.....	1
3. Equity Jurisprudence 2, <i>or</i> 1.....	1
4. Sales, <i>or</i> Bills and Notes.....	1
5. Partnership, and Companies and Corporations.....	1
6. Statutes and Procedure.....	2
7. Office Practice.....	1

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.

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.

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.

Sessional Examinations.

The Sessional examinations will begin next Session on Thursday April 22nd, 1915.

In order to be permitted to write an examination, a student must have attended 90 per cent. of the lectures or other meetings of the class in question, unless valid reason for absence is shown.

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 give notice addressed to the Dean of the Faculty at least one week before the day set for such examination, and the *fee must in all cases accompany the application for examination.*

Fees.

All fees are payable in advance, and until the fees 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 2nd, 1914, additional.....	2 00

For Tuition, Examinations and Diplomas.

Each class attended, when taken singly	\$10 00
All the classes of any one year of the Curriculum	60 00
LL. B. diploma, (payable before the final examination, and returned in case of failure)	10 00
Each Supplementary examination	5 00
Additional fee for degree conferred <i>in absentia</i>	5 00

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

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 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.

Constitutional and International Law.

(George Munro Professorship).

Professor.....

Constitutional Law.

Two lectures per week. Subjects of lectures:

Constitutional Conventions. Royal Prerogative. *Lex Parliamenti*. Colonial Laws Validity Act. Select Cases; Cartwright's Cases.

Text Book: Clement, *Canadian Constitution*.

Constitutional History.

Two lectures per week. Subjects of lectures:

Feudalism 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: Taswell-Langmead, *Constitutional History of England*.

Conflict of Laws.

One lecture per week. Subjects of lectures:

Leading rules as to (1) personal capacity, (2) rights of property, (3) rights of obligation, (4) rights of succession, (5) family rights, (6) forms of legal acts. The use of courts by strangers. The effect of foreign judgments.

Text Book: Foote, *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. Naturalization. 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. Towage. General Average.

Text Book: McLachlan, *Shipping*.

Contracts.

Professor.....Professor Russell.

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: Anson on *Contracts*.

Equity Jurisprudence.

Lecturer.....Professor Russell.

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. (1914-15).* 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.....Professor Russell.

One lecture per week (1914-15). 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 *jus disponendi*. Stoppage *in transitu*. Condition. Warranty, express and implied. Remedies of seller and buyer. Sale of Goods Act.

Text Book: Benjamin on *Sales*.

Bills and Notes.

Lecturer.....Professor Russell.

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.....Judge Wallace.

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 Book: Bigelow, or Pollok.

Crimes.

Lecturer.....Judge Wallace.

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.....Judge Patterson.

1. *One lecture per week.*

Relevancy and Rules of Exclusion.

Text Books: Phipson on *Evidence*; Odger, *Law of Evidence*; Cockle, *Cases on Evidence*; Phipson's *Best, Evidence*.

2. *One lecture per week.*

Proof.

Text Book: Odger, *Law of Evidence*.

Partnership and Companies.

Lecturer.....Mr. Justice Drysdale.

One lecture per week. Subjects of lectures:

Partnership, and Companies and Corporations.

Text Book: Lindley, *On Companies*.

Insurance.

Lecturer.....Mr. Justice Ritchie.

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: Halsbury, *Laws of England*, vol. 17, title *Insurance*.

Real Property.

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

One lecture per week, (1914-5):

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

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

Wills and Administration.

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

One lecture per week, (1915-6):

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

Text Book: Hays and Jarman on *Wills*.

Statutes and Procedure.

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

Two lectures per week:

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. Scire Facias. Habeas Corpus. Forms, &c.

Text Book: Maxwell, *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: Odgers, *Pleading and Practice*; *The N. S. Judicature Rules*.

Office Practice.

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

One hour 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 is now given 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 licence of the Board. 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 licence 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. Rendall, St. John's.

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.

In addition to the University laboratories of Biology, Physics and Chemistry, the equipment of the first of which has recently been largely increased through the generosity of James H. Dunn, Esq., of London, the University now controls the laboratories of Anatomy and Histology of the Medical School; suitable equipment has also been provided for laboratory work in Physiology; and 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 freely 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 out-patient department of hospitals. Clinical instruction is also given here in the diseases of the eye and ear.

It is expected that when the new University buildings at Studley are opened additional accommodation will be provided for medical teaching in the present University building.

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. 16-18.

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.

Academic Year.

The Academic Year consists of one session of eight months' duration. The session of 1914-15 will begin on Wednesday, Sept. 9th, 1914, and end on Thursday, May 6th, 1915. No student will be admitted after September 21st.

Admission and Grading.

1. All Undergraduates in Medicine are admitted to the full work of the *first* year. Matriculants 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., are admitted to the course for medical degrees as if they had Undergraduate standing; 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. 20, *et seq.*)

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

4. 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.

5. All students are required to enter their names in the University Register before entering any class (See "Registration," University Calendar, p. 16.)

Matriculation.

Candidates for medical degrees must present certificates

- (a) Of having passed either the Medical Matriculation examination (University Calendar, pp. 11-14), or the Preliminary examinations of the Provincial Medical Board of Nova Scotia, or some other examination recognized by the Board as equivalent*;
- (b) Of having completed their sixteenth year before the passing of such examination.

The examinations recognized *pro tanto* by the Provincial Medical Board will be similarly recognized by this Faculty.

Curriculum.†

The course for the degrees of Doctor of Medicine and Master of Surgery extends over five years. Detailed in-

*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, 319 Pleasant Street, Halifax.

†It is to be distinctly understood that the program and regulations regarding courses of study and examinations contained in this Calendar are intended for the year ending May 6th, 1915, 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.

formation regarding the classes included in it will be found under "Courses of Instruction" (pp. 20 *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
Clinical Surgery.	Diseases.
Clinical Medicine.	Dressing.
Clinical Obstetrics.	Clerking.
Practical Obstetrics.	Vaccination.
Clinical Gynaecology.	Post Mortems.
Clinical Paediatrics.	Hospital.
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. 20, *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 division. 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. 15).

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 (except as stated under "Admission" p. 11.)

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 11).

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,

A. B.

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. 19).

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 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.

*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.

Sponsio Academica.

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

In facultate Medicinæ Universitatis Dalhousianæ.

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

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. Lindsay'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.....	\$5 00*
Additional, payable by all students registering after Tuesday, September 15th.....	2 00

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

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

For Tuition.

All Fees are payable in advance, and until the Fees 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 3, 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

For Hospitals.

Admission to Victoria General Hospital, Hospital Laboratory, Children's Hospital, City Home, Dispensary, each..	\$ 5 00
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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 15th.....	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, 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.

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, where degree is 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.

COURSES OF INSTRUCTION.

I.—Anatomy.

Professor.....	A. W. H. Lindsay, B. A., M. D.
Demonstrator.....	M. A. MacAulay, M. D., C. M.
Assistant Demonstrators.....	{ J. Rankine, M. D., C. M. E. K. Maclellan, M. D., C. M.

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. A large supply of bones is kept on hand, and these are freely supplied to students, both in the Practical Anatomy Room and for study at home.

Text Books: Cunningham, Gray, Gerrish, Quain.

2. Lectures: Tuesday and Thursday, 12-1 P. M. Laboratory: Two hours daily except Saturday.

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 additional course will consist of lectures and demonstrations of 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, Heath, Holden, Ellis.

II.—Biology.

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

1. **General Biology.**—Lectures, one hour per week; laboratory, four hours per week.

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.

III.—Chemistry.

(*McLeod Professorship.*)

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

1B. General Chemistry.—*Lectures: Monday, Wednesday and Friday, 11-12 A. M. Laboratory: Monday, Wednesday and Friday, 10-11 A. M.*

Pre-requisite: Matriculation Algebra and English.

Lectures on General Chemistry covering the same ground as in Chemistry 1 in the Faculty of Arts and Science (Calendar Faculty of Arts and Science, p. 68). 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.—Autumn term: Metals and their compounds, with special reference to those having medicinal or dental uses or toxic properties; elements of Physical Chemistry. Spring 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. Perkin, *Qualitative Chemical Analysis*.

IV.—Physics.

(*George Munro Professorship.*)

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

1B. General Physics.—*Monday, Wednesday and Friday, 9-10 A. M.*

Pre-requisite: Matriculation Mathematics.

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

Two hours a week are devoted to laboratory work. The laboratory class is divided into two sections, one of which meets on Thursdays from 11 a. m.—1 p. m., and the other on Fridays from 2-4 p. m. The experiments selected for the course are designed to acquaint the student with the methods and instruments used in physical measurement. They will also assist him in grasping that part of the subject which is taught in the lectures.

Book Recommended: Carhart, *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-requisite: Chemistry 1B, Physics 1B, 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 A. M.-12 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 Book: Howell, *Text Book of Physiology*; Fraser Harris, *Nerves* (Home 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.—Friday, 2-4 P. M.

This course is intended for students of the second year. It meets once a week for two hours during the first half of the session. 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.—Friday, 2-4 P. M.

This course is intended for students of the second year. It meets once a week 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: Schäfer, *Experimental Physiology*; Halliburton, *Essentials of Chemical Physiology*. (Latest edition).

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: Bruce, Wood, Hare, Shoemaker, Potter, Sollman, Dixon.

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.....M. A. Lindsay, B. Sc., M. B., Ch. B.

These courses will consist of:

1. Lectures.—A series of lectures three days each week throughout the session on—

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.

In the latter part of the course the Morbid Anatomy and Histology of the various systems and organs will be studied.

2. Laboratory Work.—Classes for practical instruction in Morbid Anatomy, Pathological Histology and Bacteriology, will be carried on throughout the session, meeting on two days each week for two hours. The first part of the session will be occupied in the Histological investigation and preparation of Morbid Structures and Organs, while the latter part will be devoted to Bacteriological Methods.

In addition, demonstrations upon autopsy methods and upon Morbid Anatomy will be given from time to time, and regular instruction will be afforded in the methods of preparing tissues for examination. Students will be expected to assist at autopsies, and to make a complete and methodical examination of tissues removed, and to report upon the same. In this way practical experience will be gained in the technique of laboratory methods, and a series of microscopic preparations acquired.

Text Books: Beattie and Dixon, *General and Special Pathology*; McFarland *Text Book of Pathology*; Muir and Ritchie, *Manual of Bacteriology*; Faught, *Essentials of Laboratory Diagnosis*.

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 Carless, Thomas and Miles, *American System*, Wharton and Curtiss.

Operative Surgery.

3. A special course of Operative Surgery will be provided in the fifth year, in which, 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, MacGrath.

IX.—Clinical Surgery.

Professor.....	M. Chisholm, M. D., C. M.
Professor.....	E. V. Hogan, M. D., C. M.
Lecturer.....	H. K. MacDonald, 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 hospital, 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.

Professor.....	L. M. Silver, M. B., C. M.
Professor.....	L. M. Murray, M. D., C. M.
Lecturers.....	{W. D. Forrest, M. D., C. M.
	{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, Anders. 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 case.

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

Text Books: Butler, *Diagnostics of Internal Medicine*; Page, *Physical Diagnosis*; Purdy, *Urinalysis*; Jacob, *Atlas Clinical Medicine*; Musser, *Medical Diagnosis*; Hutchinson and Rainey, *Clinical Methods*; Cabot, *Medical Diagnosis*; Da Costa, *Physical Diagnosis*.

XII.—Obstetrics and Gynaecology.

Professor.....M. A. Curry, B. A., M. D.
Associate Professor.....W. B. Almon, 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—Hirst, Edgar, Williams. Gynaecology—Hirst, Ashton Penrose.

XIII.—Medical Jurisprudence.

Lecturer.....Edward Blackadder, M. D., C. M.

This course will embrace as far as possible the following subjects:

1. Examination of persons found dead, with reference to:
 - (1) Identification. (2) Time of Death. (3) Cause of Death.
11. Violent causes of Death:—(1) Drowning. (2) Strangulation.
111. Poisons and Poisoning:—(1) Symptoms and post mortem appearances in cases of poisoning by the following agents: Inorganic—Mineral Acids, Solutions of Alkalis, Copper, Lead, Mercury, Antimony, Arsenic, Phosphorus; Organic—Oxalic Acid, Carbolic Acid, Opium, Strychnine, Belladonna, Aconite, Chloroform, Chloral Hydrate,

Cyanides. (2) Duties of Medical men in cases of Poisoning as regards:—Observation, Treatment, and Preservation of parts for Analysis. (3) Preliminary Tests for Poisonous Substances for clinical use before reference to an Analyst.

- IV. Medico-legal points in connection with —Pregnancy, Delivery, Rape, Criminal Abortion, Infanticide, Assaults and Homicide, Wounds and other external injuries, Malpractice, and Neglect of Duty.
- V. Mental capacity in relation to Criminal Responsibility, Contracts and Wills. The Lunacy Laws in so far as they affect the Medical Practitioner when signing Certificates of Lunacy.

Text Books: Taylor, Reese, Draper.

XIV.—Therapeutics and Hygiene.

Professor..... D. A. Campbell, M. D., C. M.
Lecturers..... { J. R. Corston, M. D., C. M.
 } J. L. Potter, M. D., C. M., P. A. M. C.

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 will consist of at least twenty-five lectures and at least ten demonstrations in which the following matters will be dealt with as far as possible by the lecturers:—

- 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) Dietetics. (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: Schamberg, 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, Fuchs; *Diseases of the Ear*—Bruhl-Politzer, Buck, Dench; *Diseases of the Nose and Throat*—Coakley; *Diseases of the Ear, Nose and Throat*—Gleason.

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.—Clinical Paediatrics.

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.

Statement.

An agreement was consummated in 1911 between the Board of Governors of Dalhousie University and the Provincial Dental Board of Nova Scotia, whereby the Maritime Dental College was merged into the Faculty of Dentistry of the University.

The instruction in the purely scientific subjects and in the professional subjects common to Dentistry and Medicine is taken by Dental students in common with the students of the Faculties of Arts and Science and of Medicine, 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. The Provincial Dental Board of Nova Scotia has appointed the Examiners of the Faculty, together with seven other dentists, to act as the Provincial Examining Board for purposes of registration. Hence a successful candidate for the degree of D. D. S., of this University who conforms to the regulations of the Dental Board is qualified without further examination to practise in Nova Scotia.

Important Notice.

Students are reminded that the Dental degree does not necessarily qualify for admission to practice in any province, each province having its own regulations for admission, to which a candidate must conform. Particulars regarding the qualifications for registration in the Maritime Provinces 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 shall be accepted without further examination by the provinces.

Dental students who comply with the Matriculation or Preliminary Education requirements and term of studentship, and who graduate from an accepted Canadian Dental College, and pass the examination of the Dominion Dental Council of Canada, may be registered in any province in Canada without further examination (Quebec and British Columbia excepted). If a student commences and proceeds according to the regulations, this is easily within his reach.

It is strongly recommended that all intending students comply with the Matriculation requirements of the Dominion Dental Council, and thus be saved much annoyance and disappointment.

Candidates for the Dental degree in this Faculty who conform to the regulations of the Dominion Dental Council of Canada, are admitted to the examinations of the Council, and if successful are entitled to registration without further examination in all provinces of Canada, except Quebec and British Columbia.

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. 16-18.

Academic Year.

The session of 1914-15 will begin on Sept. 9th, 1914, and end on Thursday, May 6th, 1915. Lectures for the first, second and third years will begin on September 16th, and for the fourth year on Sept. 30th, 1914.

*For information address Dr. W. D. Cowan, Secretary of the Dominion Dental Council, Regina, Sask.

Admission of Students.

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

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

No person is admitted to the course for the Dental degree who has failed in more than one subject of the Matriculation or Preliminary examination; and 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.

Before being admitted, all intending students from Nova Scotia must register with the Provincial Dental Board.

Students from other provinces in Canada, or other countries, must present such certificates of Preliminary education or Matriculation as are specified and accepted by the Dominion Dental Council of Canada, or by the province in Canada in which they are regularly registered as Dental students, provided that the certificates of such provinces meet the standards set by Dalhousie University.

Matriculation.

Candidates for the Dental degree must present certificates of having passed either the Dental Matriculation examination (University Calendar, pp. 11-14), or the Preliminary examination of the Provincial Dental Board of Nova Scotia, or some other examination recognized as equivalent.

The examinations recognized *pro tanto* by the Provincial Dental Board will be similarly recognized by this Faculty.

Curriculum.

It is to be distinctly understood that the program and regulations regarding courses of study and examinations contained in this Calendar hold good for the year ending May 6th, 1915, 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.

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, Metallurgy.

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, Metallurgy.

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.

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 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, Prosthetic Dentistry, and Metallurgy; 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; 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, A. B.

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 examinations on presenting certificates satisfactory to the Senate and complying with the regulations of the 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—thus saving 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, 1915.

Fees.

All fees are payable in advance, and until the fees 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. 15th.	1 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
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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 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.

†This includes the diploma fee. When a candidate for the D. D. S. degree has not taken all his professional examinations at this University, the 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.
 } (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 practise 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.

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.

Prosthetic Dentistry.

Professor.....F. Woodbury, D. D. S.
Lecturers..... { G. H. Fluck, D. D. S.
 } R. H. Woodbury, D. D. S.
 } 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.

Metallurgy.

Lecturer.....E. Mackay, Ph. D.

A course of lectures and demonstrations in Metallurgy will be given during a part of the second and third year.

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 the teeth, the processes 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.

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.

Crown and Bridge Work, Ceramics and Hygiene.

Professor.....G. K. Thomson, D. D. S.
Lecturer.....W. C. Oxner, D. D. S.

This subject will be presented by lectures, demonstrations and laboratory experiments. It will continue throughout the third and fourth years, with Infirmary practice.

Gold and Porcelain Crown Bridge and Inlay Construction, including casting methods, will receive proper attention. The latest types of electric furnace and casting machines are provided for the use of the students. Students who may desire to use their own electrical furnaces will be supplied with electric connections.

Oral Hygiene will receive the consideration which its great importance demands. The student will be taught the most approved manipulation and therapeutic methods for effecting, as far as may be, a condition of immunity in the oral tissues.

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.

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.

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 opera-

tions 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.

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.

Roentgenology

Lecturer.....W. H. Eagar, M. D., C. M.

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

Anatomy.

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

Demonstrators..... } M. A. MacAulay, M. D., C. M.
 } J. Rankine, M. D., C. M.
 } E. K. Maclellan, M. D., C. M.

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, Heath, Holden, Ellis.

Chemistry.*(McLeod Professorship).*

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

1B. Lectures: Monday, Wednesday and Friday, 11-12 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—Autumn term: Metals and their compounds, with special reference to those having medicinal or dental uses or toxic properties; elements of Physical Chemistry.

Spring 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. Perkin, *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.*(Munro Professorship).*

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

1B. General Physics: Monday, Wednesday and Friday, 9-10 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 Thursdays from 11-1 a. m. and the other on Fridays from 2-4 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 Book: Howell, *Text Book of Physiology*.

Practical Physiology.

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 Book: Schäffer, *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 Book: Halliburton, *Essentials of Chemical Physiology*.

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, Sollman, Dixon.

Pathology and Bacteriology.

Professor M. A. Lindsay, M. B., Ch. B

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*; Muir and Ritchie, *Path. Bact.*

Societies.

THE ALUMNI ASSOCIATION.

(Organized in 1871). Incorporated in 1876).

Honorary President.....Rev. J. Forrest, D. D., D. C. L.,
LL. 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 1915;
Hon. W. B. Wallace, LL. B., retiring 1916; C. J. Burchell, LL. B.,
retiring 1917.

Other members of the Executive.—J. H. Trefry, (re-elected);
J. S. Roper, (re-elected); G. H. Maxwell; J. E. Read; A. J.
Barnes; Gazette Editor, F. D. Graham.

Officers of Local Branches.

Cape Breton—*President*—D. M. Campbell; *Secretary*— W.
A. Creelman, Sydney.

New England—*President*—K. G. T. Webster, Harvard Uni-
versity; *Secretary*—R. Davis, 22 Gray St., Cambridge, Mass.

Saskatchewan—*President*—A. M. Young, M. D.; *Secretary*—
D. Maclean, Saskatoon.

British Columbia—*President*—Mr. Justice Morrison; *Sec-
retary*—H. W. C. Boak, Vancouver.

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.....Mrs. Archibald MacMechan.
Second Vice-President.....Miss Edith Read, Toronto.
Recording Secretary.....Miss Louise Clayton.
Corresponding Secretary.....Miss Helen Armitage.
Treasurer.....Miss Marguerite Silver.

Other members of the Executive Committee.—Miss Emelyn
MacKenzie; Miss Winnifred Read; Miss Norah O'Brien; Miss
Dorothy Munnis; Mrs. J. N. Finlayson.

Council of Students of the University.

<i>President</i>	E. C. Phinney, (Law).
<i>Vice-President</i>	C. M. McInnes, '15 (Arts).
<i>Secretary</i>	J. H. Lawley, '16 (Arts).
<i>Treasurer</i>	H. W. Kirkpatrick, (Med.).
<i>Executive</i>	W. B. Coulter, (Med.); C. A. Evans, (Eng.).

Other members of the Council—J. McK. Stewart, '14 (Arts); R. E. G. Roome, '17 (Arts); A. A. Zinck, '15 (Arts); J. S. Fraser, Jr., '15 (Arts); John MacDonald, '15 (Arts); H. M. Dawson, '16 (Arts); J. G. F. Heal, (Med.); V. D. Davidson, (Med.); J. A. MacMillan, (Law); J. K. Swanson, B. A. (Law); G. L. Stairs, '16 (Arts); M. P. Nichols, (Dent.).

The Gazette.

The **Dalhousie Gazette** is published by the students of the University under the authority of the Council.

<i>Literary Editor</i>	J. K. Swanson.
<i>Business Manager</i>	J. S. Fraser

The Sodales Debating Club.

The Sodales Debating Club meets fortnightly during the session, subjects of general interest being discussed.

<i>Honorary President</i>	Prof. J. E. Todd.
<i>President</i>	A. A. Zinck.
<i>Vice-President</i>	C. M. McInnes.
<i>Secretary-Treasurer</i>	G. D. Young.

Intercollegiate Team.

A. A. Zinck, (Leader) J. McK. Stewart, G. D. Young.

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.

<i>President</i>	E. R. Macnutt.
<i>Vice-President</i>	R. F. Yeoman.
<i>Secretary-Treasurer</i>	G. M. McDade.

The Mock Parliament.

The Mock Parliament meets every Monday night until the Christmas vacation. All students of the University 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.

<i>Speaker</i>	L. P. A. Robichaud.
<i>Premier</i>	W. F. Lane, (Con.).
<i>Leader of Opposition</i>	J. A. MacMillan, (Lib.).
<i>Lieutenant at Arms</i>	J. S. Fraser.

Young Men's Christian Association.

Meetings of the Association are held every Saturday evening at the College.

<i>Honorary President</i>	Prof. H. L. Stewart.
<i>President</i>	G. D. MacLeod.
<i>Vice-President</i>	K. J. Austen.
<i>Treasurer</i>	C. A. Pugsley.
<i>Recording Secretary</i>	D. G. MacGregor.
<i>General Secretary</i>	W. R. Auld, B. A.

Young Women's Christian Association.

Meetings of the Association are held every Thursday afternoon at 5 o'clock.

<i>President</i>	Jean Craig.
<i>Vice-President</i>	Lois S. Creighton.
<i>Treasurer</i>	Edith M. Montgomery.
<i>Recording Secretary</i>	Lily J. Bayne.
<i>Corresponding Secretary</i>	Edith M. Creighton.

Dalhousie Musical and Dramatic Club.

<i>Honorary President</i>	Prof. J. E. Todd.
<i>President</i>	J. N. Lyons.
<i>Vice-President</i>	Hattiet M. Boak.
<i>Secretary-Treasurer</i>	G. D. Young.

The Dalhousie Amateur Athletic Club.

<i>Honorary President</i>	Rev. Dr. Forrest.
<i>President</i>	J. N. Lyons.
<i>Vice-President</i>	G. H. Campbell.
<i>Secretary</i>	J. S. Fraser.
<i>Treasurer</i>	W. R. Fraser.
<i>Manager Football Team</i>	E. C. Phinney.
<i>Captain Football Team</i>	A. M. James.
<i>Captain Hockey Team</i>	W. L. Fraser.
<i>Captain Basket Ball Team</i>	J. J. Creighton.

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>	Agnes F. Hall.
<i>Vice-President</i>	Edith M. Creighton.
<i>Secretary</i>	Lily J. Bayne.
<i>Treasurer</i>	Jessie MacLeod.

The Dalhousie Skating Club.

<i>Honorary President</i>	Prof. Murray Macneill.
<i>President</i>	C. R. Hawkins, B. A.
<i>Vice-President</i>	A. Grace Hoben.
<i>Secretary</i>	G. R. Smith.

Dalhousie Engineering Society.

<i>Honorary President</i>	Prof. J. N. Finlayson.
<i>President</i>	C. A. Evans.
<i>Vice-President</i>	H. M. Dawson.
<i>Secretary-Treasurer</i>	A. R. Lawrence.

Pawns and Pieces.

<i>President</i>	Prof. H. L. Stewart.
<i>Secretary-Treasurer</i>	Graham Stairs.

Arts and Science Debating Society.

<i>President</i>	N. M. Rattee.
<i>Vice-President</i>	R. E. G. Roome.
<i>Secretary</i>	N. L. Chipman.

CLASS OFFICERS, 1914-15.**Faculty of Arts.****Class 1915.**

<i>President</i>	J. E. Rutledge.
<i>Vice-President</i>	Myrtle MacLean.
<i>Secretary</i>	R. MacG. Dawson.

Class 1916.

<i>President</i>	W. M. Rogers.
<i>Vice-President</i>	M. Louise Power.
<i>Secretary</i>	C. A. Pugsley.
<i>Treasurer</i>	C. W. Holland.

Class 1917.

<i>President</i>	A. R. Lawrence.
<i>Vice-President</i>	Jessie L. Lawrence.
<i>Secretary</i>	C. M. Bayne.
<i>Treasurer</i>	C. U. MacNevin.

University Lists.

DEGREES CONFERRED, SESSION 1913-14.

Convocation, April 30th, 1914.

Honorary Degree of Doctor of Laws.

3
Professor J. E. Creighton, B. A., '87, of Cornell University.
Rev. A. MacLean Sinclair, of Hopewell, Pictou Co., N. S.

Master of Arts.

Browne, Laurie Browne Ward—*By examination in Shakespere.*
Clemen, Rudolf Alexander Leopold—*By examination in History and Political Economy.*
Guildford, David Adams—*By examination in History and Political Economy.*
Fraser, Catherine Jean—*By examination in Tennyson.*
MacKinlay, Lois Christine—*By examination in Latin.*
Mulligan, Rev. William Orr—*By examination in History and Political Economy.*
8
Ross, Margaret Irving—*By examination in Tennyson.*
Smith, Ernest Spurgeon—*By examination in Philosophy.*

Master of Science.

2
Bell, Hugh Philip—*By examination in Biology.*
Johnstone, John Hamilton Lane—*By examination in Physics.*

Bachelor of Arts.

Allen, Kathleen Emma.....Halifax.
Campbell, Jean Pauline.....Fairview, Halifax Co.
Colquhoun, Lillias Williamina Halifax.
Crowe, Clara Alice (in absentia).....Lower Truro, Colchester Co.
Cunningham, Velma Purves (previously conferred)....Antigonish.
Gilliat, Mary Esther.....Granville Centre, Ann. Co.
Henry, Jean.....River John, Pictou Co.
Macdougall, Jessie Laurence...Parrsboro, Cumberland Co.
McGrath, Annie Laura.....Tignish, P. E. I.
MacGregor, Jean Margaret...New Glasgow, Pictou Co.
MacKenzie, Emelyn Laura...Lower Middle River, Vic. Co.
MacMillan, Sadie Nell.....Sydney, C. B. Co.
Murray, Claude.....Mabou, Inverness Co.
Nelson, Eda Maude.....Truro, Colchester Co.
Ross, Agnes Stewart.....St. John, N. B.
Sibley, Gladys Marguerite....Halifax.
18
Umlah, Annie Lecina Boak...Halifax.
Brown, Gordon Charles.....Halifax.

Clayton, Edward Reginald
 (previously conferred) Halifax.
 Evans, Cyril Ansell Halifax.
 Hawkins, Charles Robert (previously
 conferred) Fredericton, N. B.
 Henderson, George Hugh Pictou.
 Lewis, George Murray Yarmouth.
 McCabe, John Maxwell Skinner
 (previously conferred) Durham, Pictou Co.
 McLellan, Frederic Fulton Noel Shore, Hants Co.
 McLeod, Hugh Gordon Green Hill, Pictou Co.
 Mahabir, Kenneth Grant San Fernando, Trinidad, B. W. I.
 Mulligan, Rev. William Orr
 (ad eundem gradum) Bedford.
 Reid, Norman Graham Green Hill, Pictou Co.

Bachelor of Science.

Henderson, George Hugh Pictou.

Bachelor of Laws.

Barss, Walter DeWolfe, B. A.
 (Acadia) Dartmouth.
 Bradley, Frederick Gordon St. John's, Nfld.
 Creaghan, John Adams, B. A.
 (U. N. B.) Newcastle, N. B.
 Graham, Roderick Douglas New Glasgow, Pictou Co.
 Jones, Owen Bell, M. A. Halifax.
 Macdonald, Donald Duncan,
 B. A. (St. F. X.) Bailey's Brook, Pictou Co.
 Macdonald, John Welsford,
 B. A. (Toronto) Pictou.
 Murray, Wilfred Laurier, B. A.
 (Mt. Allison) Halifax.
 Nelson, William McCully, B. A. Tatamagouche, Colchester Co.
 Ormond, Lawrence Edward,
 B. A. (St. F. X.) Amherst, Cumberland Co.
 Patterson, Malcolm Alexander. Sydney, C. B. Co.
 Pineo, Henry Hoyt, B. A.
 (Acadia) Waterville, Kings Co.
 Ross, William, Alexander St. John, N. B.
 Ryan, Joseph Lawrence, B. A.
 (St. Mary's, Maine) Three Brothers, N. B.
 Seaman, Alexander Macfarlane Minudie, Cumberland Co.
 Smith, Vincent Reynold, B. A.
 (St. F. X.) Amherst, Cumberland Co.
 Stewart, James McGregor, B. A. Halifax.
 Whinyard, LeMert Stevens Lawrencetown, Annapolis Co.

Doctor of Medicine and Master of Surgery.

MacLean, Jean Augusta North Sydney, C. B. Co.
 Dickie, Walter Reginald, B. A. Stewiacke, Colchester Co.
 Doull, James Angus, B. A. New Glasgow, Pictou Co.
 Gas, Charles Leon, B. A. Londonderry, Colchester Co.
 Lebbetter, Thomas Alphonsus. North Sydney, C. B. Co.
 Mackasey, William Patrick Moncton, N. B.
 MacKenzie, Seymour Gourley Truro, Colchester Co.

- 15
- McKeough, William Thomas,
 B. A. (St. F. X.) Afton, Antigonish Co.
 MacNeil, Daniel, B. A. (St.
 F. X.) (prev. conferred) Mabou, Inverness Co.
 Moilliet, Alexander Keir Seymour, Texas, U. S. A.
 Morton, Lewis Mark Springfield, Annapolis Co.
 Reid, John Burriss Middle Musquodoboit, Hfx. Co.
 Tait, Harold Sinclair St. John's, Nfld.
 Tompkins, Miles Gregory East Margaree, Inverness Co.
 Wiswell, Gordon Blanchard Halifax.

Doctor of Dental Surgery.

- 4
- Chisholm, George Philip Halifax.
 Cowan, Canada Harold Regina, Sask.
 Daniel, Herbert LeMert Bear River, Annapolis Co.
 Parker, Charles William Belleisle, Annapolis Co.

Diploma of Licentiate of Music.

- 2
- Boak, Harriet Matilda Halifax.
 Kane, Helen England Halifax

HONOURS, PRIZES AND MEDALS.

Diploma of Honour.

Mathematics and Physics—*High Honours*—George Hugh Henderson.

Diplomas of General Distinction.

Great Distinction—Jessie Laurence Macdougall, Annie Laura McGrath.

Distinction—Hugh Gordon McLeod, Emelyn Laura MacKenzie, Kenneth Grant Mahabir.

Graduate Prizes and Medals.

Governor-General's Gold Medal—George Hugh Henderson.

Avery Prize—Jessie Laurence Macdougall.

Nomination to 1851 Exhibition Scholarship—John Hamilton Lane Johnstone.

University Medal, Faculty of Medicine—James Angus Doull.

Undergraduate Prizes and Scholarships.

Junior Entrance Scholarships:

Sir Wm. Young Scholarships—David Edward MacLean, (Prince of Wales College); Chester Arthur Pugsley, (Pictou Academy); Hugh Campbell Frame, (Halifax Academy); Martin Henry Dawson, (Truro Academy); Donald Gordon MacGregor, (Amherst Academy).

Special Prizes:

Waverley Prize (Mathematics)—Carl N. Bennett.

North British Society Bursary (highest eligible student in second year, Arts)—Martin Henry Dawson.

Studley Quoit Club Prize (Latin 2 and Greek 2)—H. A. McCleave, J. A. Nicholson, Equal.

Jotham Blanchard Bursary (highest standing in the first year, Arts)—Merle P. Colpitt.

Honourable Mention in first year subjects (Arts)—J. H. Mitchell.

Dr. Lindsay Prize (2nd Prof. Med. Examination)—J. G. D. Campbell, P. D. McLarren, equal.

Dr. MacAulay Prize (first year Practical Anatomy)—Award deferred.

Practical Histology Prize (Presented by Dr. D. Fraser Harris)—R. F. C. Cooper.

Maritime Dental Supply Co. Prize (highest standing in first year Dental subjects)—H. V. Ferguson.

National Drug Co. Gold Medal, (highest standing in Pharmacy Course)—Howard M. Taylor.

ENTRANCE STANDING.**FACULTY OF ARTS AND SCIENCE.****Standing Granted to Students Entering in 1913.****Matriculation.****Undergraduate Standing.**

Campbell, R. F. B.; Campbell, T. A.; Chipman, N. L. Clemen, Olga A. E.; Colpitt, Merle P.; Colquhoun, D. A.; Creighton, H. A.; Crosby, C. H.; Dawson, C. H.; Dawson, M. H.; deBlois, Wilhelmina R.; Frame, H. C.; Fraser, Ella C.; Fraser, E. S.; Fraser, Margaret C.; Harvey, Margaret; Hoben, A. Lou; Jones, F. H.; McCleave, H. A.; McGrath, Mona R.; MacGregor, D. G.; MacLean, D. E.; MacLeod, M. G.; MacNevin, C. U.; MacNutt, R. D.; Mitchell, J. H.; Montgomery, Edith M.; Nicholson, J. A.; Pugsley, C. A.; Reinhardt, Ethel B.; Ryan, J. H.; Scriven, W. G.; Smith, E. E. B.; Soule, I. E.; Theakston, H. R.; Webster, G. E.; Whyte, E. F.; Whyte, Juanita M.; Wilson, H. A.; Wolfe, Janet B.

Matriculant Standing in Subjects Named.

- Allan, S. S.—French, English, History, Geometry and Trigonometry.
 Archibald, G. E.—English, History, Geometry and Trigonometry, Algebra.
 Bayne, C. M.—Latin, English, History, Geometry and Trigonometry, Algebra.
 Cameron, J. M.—English, History, Geometry and Trigonometry, Algebra.
 Crowell, Evelyn M.—Latin, French, English, History, Algebra.
 Douglass, P. G.—Latin, English, History, Algebra.
 Grant, Jennie G.—Latin, English, History, Geometry and Trigonometry, Algebra.
 Irving, R. I.—French, English, Geometry and Trigonometry, Algebra.
 Jardine, Marjorie D.—Latin, French, English, Algebra.
 Lawrence, R. A.—English, Geometry and Trigonometry, Algebra.
 Lawrence, Jessie L.—Latin, English, History, Geometry and Trigonometry, Algebra.
 Linton, H. M.—Latin, French, English, History.
 McCurdy, Isobel G.—French, German, English, History.
 McDougall, W. D.—English, History, Geometry and Trigonometry.
 MacKenzie, D. A.—English, History, Geometry and Trigonometry.
 MacKenzie, N. A. M.—Latin, French, English, History, Geometry and Trigonometry.
 McLellan, A. J.—English, Geometry and Trigonometry, Algebra.
 McLeod, D. F.—History, Geometry and Trigonometry, Algebra.
 MacLeod, Malcolm—English, History, Geometry and Trigonometry, Algebra.
 MacMorran, A. M.—English, History, Geometry and Trigonometry, Algebra.
 Melvin, A. G.—Latin, Greek, English, Geometry and Trigonometry, Algebra.
 Morrison, L. N.—Latin, English, History, Geometry and Trigonometry, Algebra.

- Munro, A. J.—English, History, Geometry and Trigonometry, Algebra.
 Munro, J. S.—English, History, Geometry and Trigonometry, Algebra.
 O'Brien, W. C.—English, History, Geometry and Trigonometry, Algebra.
 Palmer, Gertrude L.—Latin, English, History, Geometry and Trigonometry, Algebra.
 Reid, R. K.—English, History, Geometry and Trigonometry.
 Roome, R. E. G.—Latin, English, History, Geometry and Trigonometry.
 Silver, L. E.—Latin, French, English, History, Geometry and Trigonometry.
 Wood, W. A.—English, History, Geometry and Trigonometry, Algebra.

Special Students.

Appleby, Nema; Archibald, Mary M.; Bell, Mary F.; Blois, Verna M.; Chisholm, Mary P.; Christie, Ethelyn M.; Clarke, Jean McD.; Congdon, Ruth; Cossitt, Lillian; Dodwell, E. L.; Ellis, Evelyn; Harshaw, Ethel; Hopkins, G. W. L.; Irving, Lou D.; Jones, Helen L.; Lordly, G. R.; Macaskill, Marguerite E.; McInnes, Anna; MacLeod, Edna H.; MacLeod, Jessie; Penny, Elizabeth M.; Pottier, H. J.; Robb, A. W.; Ross, J. S.; Stairs, Helen E.; Wallace, Mary D.; Walls, V. B.

Advanced Standing.

Credits for Undergraduate Standing.

- Campbell, R. F. B.—Latin 1, French 1, German 1.
 Campbell, T. A.—Latin 1, 2, Greek 1, 2, French 1, 2, English 1, 2, Mathematics 1, Chemistry 1.
 Chipman, N. L.—Latin 1, French 1, English 1, Mathematics 1.
 Colquhoun, D. A. Y.—French 1, German 1, Mathematics 1, English 1.
 Crosby, C. H.—French 1, English 1.
 Dawson, C. H.—Mathematics 1, Latin 1, French 1, English 1.
 Dawson, M. H.—Latin 1, German 1, English 1, Mathematics 1.
 deBlois, Wilhelmina—Latin 1, French 1, English 1, Mathematics 1.
 Fraser, Margaret C.—Latin 1, French 1, English 1, Mathematics 1.
 Jones, F. H.—Latin 1, Greek 1, English 1.
 McCleave, H. A.—Latin 1, Greek 1, Mathematics 1, English 1.
 MacLean, D. E.—Latin 1, 2, Greek, 1, 2, French 1, 2, English 1, 2, Mathematics 1, Chemistry 1.
 MacNutt, R. D.—Latin 1, French 1, English 1, Mathematics 1.
 Montgomery, Edith M.—Latin 1, French 1, English 1, Mathematics 1, Chemistry 1.
 Nicholson, J. A.—Latin 1, Greek 1, English 1, Mathematics 1, Chemistry 1.
 Palmer, Gertrude L.—Latin 1, English 1, Mathematics 1.
 Pugsley, C. A.—Latin 1, English 1, Mathematics 1.
 Reinhardt, Ethel B.—Latin 1, 2, French 1, 2, English 1, 2, Mathematics 1, Chemistry 1.
 Ryan, J. H.—Latin 1, French 1, Mathematics 1.
 Smith, E. E. B.—French 1, English 1, Mathematics 1.
 Theakston, H. R.—Latin 1, French 1, English 1, Mathematics 1.
 Webster, G. E.—Latin 1, French 1, English 1, Mathematics 1, Chemistry 1.
 Whyte, E. F.—Latin 1, French 1, English 1, Mathematics 1.
 Whyte, Juanita M.—Latin 1, French 1, English 1, Mathematics 1.
 Wilson, H. A.—Latin 1, English 1, Mathematics 1.
 Wood, W. A.—English 1.

EXAMINATIONS, 1913-14.

FACULTY OF ARTS AND SCIENCE.

MATRICULATION.

Distinction—Names in Order of Merit.

Class I.—Colpitt, Merle P. (Mackenzie Bursary).

Class II.—Frame, H. C.; Mitchell, J. H.

Passed.—Names in Alphabetical Order.

Latin.—Colpitt, Merle P.; Douglass, P. G.; Frame, H. C.; Fraser, Ella C.; Fraser, E. S.; MacGregor, D. G.; Mitchell, J. H.; Roome, R. E. G.; Scriven, W. G.

Greek.—Frame, H. C.; Fraser, E. S.; Hanna, W. F.

French.—Colpitt, Merle P.; Crowell, Evelyn M.; Dodwell, E. L.; Fox, F. B.; Frame, H. C.; Fraser, E. S.; Henry, E. Blanche; MacDonal, J. W.; MacGregor, D. G.; Mitchell, J. H.; Scriven, W. G.; Soule, I. E.

English.—Allum, H. A. (Engineering); Archibald, G. E.; Bayne, C. M.; Campbell, R. F. B. (Engineering); Colpitt, Merle P.; Crosby, R. C.; Dodwell, E. L.; Douglass, P. G.; Frame, H. C.; Fraser, E. S.; Hoben, A. Lou; Holmes, G. R.; Lawrence, A. R.; Lawrence, L. L.; Linton, H. M.; Lordly, G. R.; Macaskill, W. R.; McCurdy, Isobel; G. MacGregor, D. G.; McLellan, A. J.; MacLeod, Malcolm; Mitchell, J. H.; Moseley, F. H.; Musgrave, W. B.; O'Brien, W. C.; Pottier, H. J.; Reid, R. K.; Roome, R. E. G.; Scriven, W. G.; Stairs, G. L.; Walls, V. B.

History.—Bennett, C. N.; Chisholm, W. H.; Colpitt, Merle P.; Creighton, H. J.; Frame, H. C.; Fraser, E. S.; MacGregor, D. G.; Mitchell, J. H.; Mooney, R. B.; O'Brien, W. C.; Porter, W. A.; Pottier, H. J.; Scriven, W. G.; Stairs, Graham; Walls, V. B.; Whyte, Juanita M.

Geometry and Trigonometry.—Colpitt, Merle P.; Frame, H. C.; Fraser, E. S.; Gillies, Emma C.; Hoben, A. Lou; Holmes, G. R.; Lawrence, A. R.; Macdonald, R. C.; MacGregor, D. G.; McLellan, A. J.; Mitchell, J. H.; O'Brien, W. C.; Roome, R. E. G.; Scriven, W. G.

Algebra.—Archibald, G. E.; Cameron, J. N.; Campbell, R. F. B.; Colpitt, Merle P.; Creighton, J. J.; Fox, F. B.; Frame, H. C.; Fraser, E. S.; Gillies, Emma C.; Heffler, F. A.; Holmes, G. R.; Lawrence, A. R.; MacGregor, D. G.; McLellan, A. J.; Mitchell, J. H.; O'Brien, W. C.; Scriven, W. G.

SUPPLEMENTARY AND SPECIAL EXAMINATIONS.

Names in Alphabetical Order.

Latin, Matriculation.—Patterson, M. A.; Whinyard, L. S.

Latin 1.—Campbell, Katherine L.; Campbell, R. F. B.; Carter, R. H.

Latin 2.—Campbell, G. H.; Colquhoun, Catherine C.; McCabe, J. M. S.; MacKay, Mable C.; MacNeily, W. H.; Matheson, H. A.; Raynor, H. S.; Reid, N. G.; Sibley, Gladys M.; Stairs, Graham; Withrow, Helena H.

Latin 3.—Evans, C. A.; Hawkins, C. R.; Henry, Jean; Lewis, G. M.; Murray, Claude; McCabe, J. M. S.; MacGregor, Jean M.; McLellan, F. F.; Ross, Agnes S.

Greek 1.—Duncan, T. C.

French, Matriculation.—Musgrave, W. B.; Phinney, E. C.; Moore, R. C. (Engineering).

French 1.—Austen, K. J.; Craig, Jean; Crowe, Clara A.; Morrison, Kate; Smith, E. E. B.

French 3.—Colquhoun, Lillias W.; Leslie, R. J.

German 2.—Austen, K. J.

English, Matriculation.—Crosby, C. H.; Ross, J. S.

English 1.—Johnstone, M. F.; Mooney, R. B.; Whitman, P. L.

English 2.—Campbell, Katherine L.; Colquhoun, Catherine C.; Hawkins, G. May.

English 4.—Murray, Claude; Smith, Marion R.

Biblical Literature.—Cunningham, Velma P.; MacDonald, J.; Ross, Agnes S.; Umlah, Annie L. B.

History 1.—Macdonald, R. C.; Smith, Marion R.

History 2.—Cunningham, Velma P.

Economics 1.—Murray, H. A.; Porter, W. A.

Economics 2.—Colquhoun, Lillias W.

Economics 3.—McCabe, J. M. S.

Philosophy 1.—Allen, Kathleen E.; Creighton, Edith M., Colquhoun, Lillias W.

Mathematics, Matriculation.—**Geometry and Trigonometry.**—Rutledge, J. E.; **Algebra and Arithmetic.**—Murray, G.; Whinyard, L. S.

Mathematics 1.—Colquhoun, Lillias W.; Dawson, J. A.; Mooney, R. B.; Whitman, P. L.; Zinck, A. A.

Mathematics 3.—Austen, K. J.; Cooke, N. L.; Fultz, S. L.; Hayes, J. B.; MacDonald, J. H.; MacDonald, J. W.

Mathematics 4.—Austen, K. J.

Physics 1A.—Freeman, R. P.; Hayes, J. B.

Physics 1B.—Lebbetter, T. A.; Stairs, G.

Physics 6.—Cooke, N. L.; Freeman, R. P.

Mechanics.—Fultz, S. L.; Hayes, J. B.

Chemistry 1.—Allen, Kathleen E.; Bayne, Lily J.; Creighton, Lois S.; Fox, F. B.; Malcolm, Florence P.; Umlah, Annie, L. B.; Whitman, P. L.

Chemistry 1A.—Hawkins, R. C. G.; Hayes, J. B.; Smith, L. K.

Chemistry 1B.—Archibald, H. B.; Fraser, W. R.

Chemistry 3.—Blackadar, K. K.; Daniel, H. L.

Chemistry 4.—MacAloney, R. G.

Geology 1.—Henry, E. Blanche.

Biology 1.—Ferguson, Elizabeth; Porter, W. A.

Drawing 2.—Hayes, J. B.; MacAloney, R. G.

Surveying.—Adams, R. S.; Hayes, J. B.

Kinematics.—Freeman, R. P.

Constitutional History.—Murray, H. A.

Torts.—Stairs, H. M.

SESSIONAL EXAMINATIONS.

Names in "Class I" and "Class II" are in Order of Merit, Names under Heading "Passed" are in Alphabetical Order. The Asterick indicates a High First Class. Brackets indicate candidates of equal merit.

Elementary Latin.

Class II.—Walls, V. B.

Passed.—Aikins, C. E.; Allan, S. S.; Irving, R. I.; Macdonald, N. E.; McDougall, W. D.; MacKenzie, D. A.; McLeod, D. F.; MacLeod, M.; MacMorran, A. M.; Munro, J. S.; Phinney, E. C.; Pottier, H. J.; Ross, J. S.

Latin 1.

Class I.—*Mitchell, J. H.; Colpitt, Merle P.; McGrath, Mona R.

Class II.—Harvey, Margaret; Wolfe, Janet B.

Passed.—Clemen, Olga; Creighton, H. A.; Frame, H. C.; Fraser, Ella C.; Fraser, E. S.; Grant, Jennie G.; Hanna, W. F.; Hoben, A. Lou; Kemp, H. D.; Linton, H. M.; MacGregor, D. G.; MacKenzie, N. A. M.; McLatchey, E. B.; MacNevin, C. U.; Martin, J. P.; Melvin, A. G.; Roome, R. E. G.; Soule, I. E.

Latin 2.

Class I.—Nicholson, J. A.; Malcolm, Florence P.; McCleave, H. A.; Fraser, Margaret C.; Montgomery, Edith M.; Dawson, M. H.

Class II.—Hall, Bessie, L.; Chipman, N. L.; MacLean, C. Myrtle.

Passed.—Bayne, Lily I.; Blanchard, H. H.; Campbell, Katherine L.; Campbell, R. F. B.; Creighton, Lois S.; Holland, C. W.; Jones, F. H.; Macdonald, R. C.; MacLeod, C. T.; MacNutt, R. D.; Marshall, D. F.; Palmer, Gertrude L.; Paterson, J. G.; Power, M. Louise; Rogers, W. M.; Ross, Mary A.; Rutledge, J. E.; Smith, E. E. B.; Smith, G. R.; Stairs, G. L.; Webster, G. E.; Whyte, E. F.; Whyte, Juanita M.

Latin 4.

Class I.—Macdougall, Jessie L.; McGrath, Annie L.; Crawford, E. H.; Campbell, Jean P.

Passed.—Campbell, G. H.; Creelman, E. Kathleen; Creighton, Edith M.; Crowe, Clara A.; Daley, G. McL.; Dawson, J. A.; Dawson, R. M.; Hall, Agnes F.; Hoben, A. Grace; Lawrence, L. L.; McInnes, C. M.; MacKenzie, Emelyn L.; MacLeod, Annie May; McMillan, Sadie N.; McPhail, Annie L.; Nelson, Eda M.; Nickerson, J. S.; Reid, N. G.; Ross, Agnes S.; Sibley, Gladys M.; Smith, Marion R.; Withrow, Helena H.; Zinck, A. A.

Elementary Greek.

Passed.—Macdonald, N. E.; MacKenzie, N. A. M.; McLeod, D. F.; MacLeod, M.; Pugsley, C. A.; Roome, R. E. G.; Soule, I. E.; Walls, V. B.

Greek 1.

Class II.—Frame, H. C.

Passed.—Archibald, A. D.; Creighton, H. A.; Fraser, E. S.; Hanna, W. F.; Zinck, A. A.

Greek 2.

Class I.—*MacLean, D. E.; McCleave, H. A.; (Malcolm, Florence P.; Nicholson, J. A.).

Passed.—Blanchard, H. H.; Brown, G. C.; Creighton, Lois S.; Evans, C. A.; Hall, Agnes F.; Jones, F. H.; Melvin, A. G.; Paterson, J. G.; Smith, G. R.

Greek 4.

Class II.—Patterson, R. A.

Passed.—Geddes, W.; Rattee, N. M.; Roche, C. J.

French 1.

Class I.—*Mitchell, J. H.; *Colpitt, Merle P.; Linton, H. M.

Class II.—MacKenzie, N. A. M.

Passed.—Clemen, Olga; Crowell, Evelyn M.; Fox, F. B.; Fraser, Ella C.; Fraser, E. S.; Hoben, A. Lou; Jardine, Marjorie D.; McCurdy, Isobel G.; McGrath, Mona R.; MacGregor, D. G.; Soule, I. E.; Whitman, P. L.; Wolfe, Janet B.

French 2.

Class I.—Lawrence, L. L.; Fraser, Margaret C.

Class II.—Montgomery, Edith M.; Vickery, H. B.

Passed.—Bayne, Lily I.; Brookfield, G. P.; Campbell, R. F. B.; Chipman, N. L.; Craig, Jean; Crowe, Clara A.; Holland, C. W.; Macdonald, R. C.; MacNutt, R. D.; Marshall, D. F.; Martin, J. P.; Piers, Judith F.; Porter, W. A.; Power, M. Louise; Rogers, W. M.; Ross, Mary A.; Stairs, G. L.; Webster, G. E.; Whyte, E. F.

French 5.

Class I.—*Maddougall, Jessie L.; *Crawford, E. H.; McInnes, C. M.; Dawson, J. A.; Nelson, Eda M.

Class II.—Mahabir, K. G.

Passed.—Arthur, Edna M.; Colquhoun, Catherine C.; Creighton, Edith M.; Hoben, A. Grace; MacDonald, J.; MacLean, C. Myrtle; Ross, Agnes S.; Withrow, Helena H.

Elementary German.

Passed.—Crowell, Evelyn M.; Mahabir, K. G.; Montgomery, Edith M.

German 1.

Class I.—Harvey, Margaret.

Passed.—Brookfield, G. P.; Johnstone, M. F.; Vickery, H. B.; Whitman, P. L.; Zinck, A. A.

German 3.

Class I.—*Macdougall, Jessie L.; Dawson, M. H.; Hall, Bessie L.; Henderson, G. H.

Passed.—Campbell, R. F. B.; Creelman, Emma K.; MacLeod, Annie M.; McMillan, Sadie N.

English 1.

Class I.—Mitchell, J. H.; (Jardine, Marjorie D.; Bell, Mary F.); MacKenzie, N. A. M.; Roome, R. E. G.

Class II.—McCurdy, Isobel G.; McDougall, W. D.; Lawrence, A. R.; Fraser, Ella C.

Passed.—Allan, S. S.; Archibald, G. E.; Bayne, C. M.; Cameron, J. M.; Clemen, Olga; Colpitt, Merle P.; Congdon, Ruth; Creighton, H. A.; Crowell, Evelyn M.; Frame, H. C.; Fraser, E. S.; Grant, Jennie G.; Harvey, Margaret; Henry, Elizabeth B.; Holmes, G. R.; Jones, Helen L.; Lawrence, Jessie L.; Linton, H. M.; Macaskill, Marguerite E.; McGrath, Mona R.; MacGregor, D. G.; MacKenzie, D. A.; MacLeod, M.; MacNevin, C. U.; Munro, J. S.; Reid, R. K.; Ross, J. S.; Soule, I. E.; Walls, V. B.; Whyte, Juanita M.; Wolfe, Janet B.

English 2.

Class I.—Nicholson, J. A.; McCleave, H. A.; Hall, Bessie L.

Class II.—Chipman, N. L.; Macdonald, R. C.; Fraser, Margaret C.; Dawson, M. H.; Fraser, J. M.; Melvin, A. G.; Bayne, Lily I.

Passed.—Appleby, Nema; Austen, K. J.; Blois, Verna M.; Boak, Harriet M.; Brookfield, G. P.; Colquhoun, D. A. Y.; Connely, Jean A.; Creighton, Lois S.; Crosby, C. H.; Dawson, C. H.; Guildford, Mary M.; Holland, C. W.; Inglis, Constance; Johnstone, M. F.; Lawley, J. H.; Macaskill, W. R.; Macdonald, N. E.; McDonald, W. M.; MacNutt, R. D.; Malcolm, Florence P.; Martin, J. P.; Montgomery, Edith M.; Mooney, R. B.; Musgrave, W. B.; Palmer, Gertrude L.; Piers, Judith F.; Power, M. Louise; Pugsley, C. A.; Ritchie, C. A.; Rogers, W. M.; Ross, Mary A.; Stairs, G. L.; Theakston, H. R.; Webster, G. E.; Whyte, E. F.; Wood, W. A.; Zinck, A. A.

English 5.

Class II.—(without thesis) Rattee, N. M.; MacLean, D. E.

Passed.—Arthur, Edna M.; Blanchard, H. H.; Campbell, G. H.; Campbell, Jean P.; Craig, Jean; Crawford, E. H.; Creelman, Emma K.; Creighton, Edith M.; Daley, G. M.; Dawson, J. A.; Dawson, R. M.; Fox, F. B.; Fraser, J. S.; Gillliatt, M. Esther; Hanna, W. F.; Henderson, G. H.; Hoben, A. Grace; Lawrence, L. L.; McCurdy, E. G.; MacDonald, J.; MacGregor, Jean M.; McInnes, C. M.; McKinnon, M. C.; MacLean, C. Myrtle; Macleod, C. T.; MacLeod, G. D.; McMillan, Sadie N.; MacNeily, W. H.; Marshall, D. F.; Murray, Claude; Nelson, Eda M.; Nickerson, J. S.; Paterson, J. G.; Patterson, R. A.; Roche, C. J.; Ross, Agnes S.; Rutledge, J. E.; Smith, G. R.; Stewart, J. McK.; Withrow, Helena H.

English 6.

Class I.—Nickerson, J. S.; Campbell, T. A.; McGrath, Annie L.

Class II.—Nelson, Eda M.

English 7.

Class I.—Nickerson, J. S.

Class II.—Umlah, Annie L. B.; Allen, Kathleen E.

Biblical Literature.

Class II.—McInnes, C. M.; MacNeily, W. H.; Pugsley, C. A.; Walls, V. B.

Passed.—Brown, G. C.; Campbell, G. H.; Daley, G. M.; Geddes, W.; Hanna, W. F.; MacKinnon, M. C.; MacLeod, Annie M.; MacLeod, G. D.; Murray, Claude; Ritchie, C. A.; Smith, G. R.; Stairs, Graham; Withrow, Helena H.

History 1.

Class I.—(*Campbell, T. A.; *MacLean, D. E.); *Rattee, N. M.; (Dawson, J. A.; McInnes, C. M.;) MacKenzie, Emelyn L.

Class II.—Zinck, A. A.

Passed.—Creighton, Edith M.; Daley, G. M.; Doane, W. E. E.; Hawkins, R. C. G.; Jardine, Marjorie D.; Linton, H. M.; MacKenzie, N. A. M.; McLeod, J. C.; MacLeod, Annie M.; MacLeod, G. D.; Martin, J. P.; Melvin, A. G.; Moseley, F. H.; Porter, W. A.; Reinhardt, Ethel B.; Ross, Agnes S.; Stairs, Graham.

History 3.

Class I.—*Rattee, N. M.; Lawrence, L. L.; Gilliatt, M. Esther; Montgomery, Edith M.; Nelson, Eda M.

Class II.—Fraser, Margaret C.

Passed.—Allan, S. S.; Allen, Kathleen E.; Archibald, A. D.; Arthur, Edna M.; Campbell, G. H.; Campbell, Jean P.; Craig, Jean; Creelman, Emma K.; Creighton, Lois S.; Fox, F. B.; Hanna, W. F.; Jones, F. H.; Leslie, R. J.; MacGregor, Jean, M.; MacKinnon, M. C.; MacLean, C. Myrtle; McMillan, Sadie, N.; Matheson, H. A.; Murray, Claude; Patterson, R. A.; Power, M. Louise; Smith, Marion R.; Stewart, J. McK.

Economics 1.

Class I.—*Campbell, T. A.; Dawson, R. M.; (McCleave, H. A.; Zinck, A. A.); Rattee, N. M.; MacKenzie, Emelyn L.; (Gilliatt, M. Esther; McInnes, C. M.).

Class II.—MacLean, D. E.; Patterson, R. A.; (Hoben, A. Grace; Nicholson, J. A.).

Passed.—Allan, S. S.; Blanchard, H. H.; Campbell, G. H.; Chipman, N. L.; Crawford, E. H.; Creelman, Emma K.; Creighton, Edith M.; Daley, G. M.; Doane, W. E. E.; Fraser, J. M.; Fraser, Margaret C.; Leslie, R. J.; McCurdy, E. G.; MacDonald, John; Macdougall, Jessie L.; MacGregor, Jean M.; MacKinnon, M. C.; McLeod, H. G.; MacLeod, Annie M.; MacLeod, D. C.;

MacLeod, G. D.; MacNutt, R. D.; Marshall, D. F.; Martin, J. P.; Murray, Claude; Roche, C. J.; Rogers, W. M.; Roome, R. E. G.; Ross, Agnes S.; Smith, Marion R.; Stairs, G. L.; Whyte, E. F.; Whyte, Juanita M.

Economics 2.

Passed.—Fraser, J. S.; Macaulay, P.; McMillan, Sadie N.; Smith, G. R.; Stewart, J. McK.

Philosophy 1.

Class I.—*MacLean, D. E.; Campbell, T. A.; Nicholson, J. A.; Hall, Bessie L.

Passed.—Archibald, A. D.; Bell, H. P.; Blanchard, H. H.; Brown, G. C.; Chipman, N. L.; Dawson, M. H.; Fraser, J. M.; Geddes, W.; Holland, C. W.; Johnstone, M. F.; Lawley, J. H.; Leslie, R. J.; McCurdy, E. G.; MacNutt, R. D.; Malcolm, Florence, P.; Marshall D. F.; Martin, J. P.; Montgomery, Edith M.; Pugsley, C. A.; Roche, C. J.; Rogers, W. M.; Ross, Mary; Smith, G. R.; Stairs, G. L.; Stairs, Graham; Webster, G. E.; Whyte, Juanita M.

Philosophy 2.

Class II.—Matheson, H. A.

Passed.—Reid, N. G.; Sibley, Gladys M.

Philosophy 3.

Class I.—McGrath, Annie L.

Passed.—Arthur, Edna M.; Campbell, Jean P.; MacKinnon, M. C.; McLellan, F. F.; MacLeod, G. D.; McMillan, Sadie N.; MacNeily, W. H.; Paterson, J. G.; Patterson, R. A.

Mathematics 1.

Class I.—*Colpitt, Merle P.; *MacGregor, D. G.; *Frame, H. C.; Archibald, G. E.

Class II.—Lawrence, A. R.; McPhail, Annie L.; Roche, C. J.

Passed.—Allan, Kathleen, E.; Bayne, C. M.; Blakeley, C. P.; Campbell, R. F. B.; Creighton, H. A.; Fraser, E. S.; Gillies, Emma C.; Grant, Jennie G.; Hawkins, G. May; Hoben, A. Lou.; Holmes, G. R.; Irving, R. I.; Jones, F. H.; Lantz, F. C.; MacAloney, R. G.; McGrath, Mona R.; MacKenzie, D. A.; McLeod, J. K.; MacNevin, C. U.; Mitchell, J. H.; Scriven, W. G.; Wolfe, Janet B.; Umlah, Annie L. B.

Mathematics 3.

Class I.—Paterson, J. G.; Colquhoun, D. A.

Class II.—Palmer, Gertrude L.; Dawson, M. H.

Passed.—Craig, Jean; Dawson, C. H.; Evans, C. A.; MacLean, C. Myrtle; Mooney, R. B.; Murray, Claude; Musgrave, W. B.; Ross, Mary A.; Ryan, J. H.; Smith, E. E. B.; Theakston, H. R.; Wilson, H. A.

Mathematics 4.

Class I.—Bennett, C. N.

Class II.—Hanright, F. R.; Smith, L. K.; MacLean, C. Myrtle.

Passed.—Adams, R. S.; Chisholm, W. H.; Craig, Jean; Evans, C. A.; Fultz, S. L.; MacNeily, W. H.; Moore, R. C.; Murray, Claude; Noble, C. O.; Ross, Mary A.; Strickland, L. C.

Mechanics.

Class I.—*Mackay, C. A.; MacGregor, D. G.

Class II.—(Engineering) Dawson, C. H.

Passed.—Archibald, G. E.; Colquhoun, D. A. Y.; Fraser, W. L.; Hall, Bessie L.; MacDonald, J. H.; MacGregor, Jean M.; McLeod, J. K.; Mooney, R. B.; Musgrave, W. B.; Palmer, Gertrude, L.; Ryan, J. H.; Theakston, H. R.; Wilson, H. A.

Physics 1.

Passed.—Gilliatt, M. Esther; McCurdy, E. G.; Marshall, D. F.; Moseley, F. H.; Paterson, J. G.; Wood, W. A.; McPhail, Annie L.

Physics 1A.

Class II.—(Engineering) Mackay, C. A.; Bennett, C. N.; Strickland, L. C.; Adams, R. S.; Chisholm, W. H.

Passed.—Fultz, S. L.; Hanright, F. R.; MacDonald, J. H.; Moore, E. H.; Moore, R. C.; Noble, C. O.; Smith, L. K.

Physics 1B.

Class I.—*McLeod, H. G.; Lawrence, L. L.

Passed.—Aikins, C. E.; Dawson, R. M.; Hawkins, R. C. G.; Holland, C. W.; Macaskill, W. R.; O'Brien, W. C.; Porter, W. A.; Pottier, H. J.; Reinhardt, Ethel B.

Physics 2.

Class II.—Vickery, H. B.

Physics 4.

Class I.—*Henderson, G. H.

Physics 6.

Class II.—(Engineering) Bennett, C. N.; Strickland, L. C.; Mackay, C. A.; Adams, R. S.; Chisholm, W. H.; Moore, R. C.

Passed.—Austen, K. J.; Evans, C. A.; Fultz, S. L.; Hanright, F. R.; Hayes, J. B.; MacDonald, J. H.; MacDonald, J. W.; Moore, E. H.; Noble, C. O.; Smith, L. K.

Chemistry 1.

Passed.—Colpitt, Merle P.; Crawford, E. H.; Fraser, Ella C.; Fraser, Margaret C.; McGrath, Mona R.; McLatchey, E. B.; McLeod, D. F.; MacLeod, Malcolm; MacMorran, A. M.; MacNeily, W. H.; Mitchell, J. H.; Pugsley, C. A.; Whyte, Juanita M.

Chemistry 1A.

Class I.—(*McCleave, H. A.; *MacGregor, D. G.); Theakston, H. R.; (Chipman, N. L.; Creighton, H. A.); Frame, H. C.; Dawson, M. H.; Whyte, E. F.; Brookfield, G. P.

Class II.—Fraser, W. L.; Colquhoun, D. A. Y.; Soule, I. E.; MacKenzie, D. A.; Wilson, H. A.; Archibald, G. E.; Dawson, C. H.; (Palmer, Gertrude L.; Pottier, H. J.); Campbell, R. F. B.; O'Brien, W. C.; (MacNutt, R. D.; Melvin, A. G.); Lawrence, A. R.

Passed.—Grant, Jennie G.; Jones, F. H.; Lantz, F. C.; Munro, J. S.; Ryan, J. H.; Smith, E. E. B.; Wood, W. A.

Chemistry 2.

Class I.—Dawson, J. A.

Chemistry 4.

Class II.—Bennett, C. N.; Adams, R. S.; Strickland, L. C.; Moore, R. C.; (Fultz, S. L.; MacDonald, J. H.; Noble, C. O.); McLeod, J. K.

Passed.—Austen, K. J.; Chapman, E. W. G.; Evans, C. A.; Hayes, J. B.; Mooney, R. B.

Chemistry 5.

Class I.—Vickery, H. B.

Geology 1.

Class I.—*Vickery, H. B.; Roche, C. J.

Class II.—Patterson, R. A.; Sibley, Gladys, M.

Passed.—Archibald, A. D.; Campbell, G. H.; Creelman, Emma K.; Fox, F. B.; Fraser, J. M.; Fraser, J. S.; Geddes, W.; Gilliatt, M. Esther; Heffler, F. A.; Hoben, A. Grace; Leslie, R. J.; MacGregor, Jean M.; MacLeod, D. C.; MacNeily, W. H.; Piers, Judith F.; Smith, Marion R.

Chemistry 7.

Class I.—Vickery, H. B.

Geology 1A.

Class II.—Evans, C. A.; Theakston, H. R.; Dawson, C. H.; Adams, R. S.; Colquhoun, D. A. Y.; Lawrence, A. R.

Passed.—Allum, H. A.; Austen, K. J.; Crosby, C. H.; Douglass, P. G.; Hanright, F. R.; Hayes, J. B.; Holmes, G. R.; Mooney, R. B.; Wilson, H. A.

Geology 2.

Passed.—St. Arnauld, Mrs. H.

Geology 3.

Passed.—McLeod, J. K.

Biology 1.

Class I.—McGrath, Annie L.

Class II.—Hall, Bessie L.; McLeod, H. G.; Macdougall, Jessie L.

University Lists.

Passed.—Campbell, T. A.; Campbell, Jean P.; Hawkins, G. May; Lawley, J. H.; Macdonald, R. C.; MacLean, D. E.; McLeod, J. C.; MacLeod, Annie M.; O'Brien, W. C.; Whyte, E. F.; Wood, W. A.

Biology III.

Class I.—McGrath, Annie L.

Passed.—Crowe, Clara A.

Biology IV.

Passed.—Bell, H. P.; Dawson, J. A.; Dwyer, G.; Matheson, H. A.

Biology V.

Passed.—Bell, H. P.

Biology VI.

Passed.—Bell, H. P.

Drawing I.

Class I.—Brookfield, G. P.

Class II.—Theakston, H. R.; (Holmes, G. R.; Mackay, C. A.); Fraser, W. L.; (Colquhoun, D. A. Y.; Dawson, C. H.; Lantz, F. C.).

Passed.—Archibald, G. E.; Lawrence, A. R.; Scriven, W. G.; Whitman, P. L.; Wilson, H. A.

Drawing II.

Class I.—Colquhoun, D. A. Y.; Theakston, H. R.

Class II.—Mackay, C. A.; Wilson, H. A.; MacDonald, J. W.

Passed.—Adams, R. S.; Austen, K. J.; Dawson, C. H.; Mooney, R. B.

Surveying.

Class I.—Bennett, C. N.; Mackay, C. A.

Class II.—Strickland, L. C.; Moore, R. C.; Musgrave, W. B.

Passed.—Blakeley, C. P.; Chisholm, W. H.; Fultz, S. L.; Moore, E. H.; MacAloney, R. G.; Noble, C. O.

Graphical Statics.

Class II.—Hayes, J. B.; Smith, L. K.; Blakeley, C. P.; MacDonald, J. H.

Passed.—Moore, E. H.

Kinematics of Machines.

Class I.—Mackay, C. A.; Bennett, C. N.;

Class II.—Moore, R. C.; (Hanright, F. R.; Strickland, L. C.)

Passed.—Adams, R. S.; Austen, K. J.; Chisholm, W. H.; Fultz, S. L.; Hayes, J. B.; MacDonald, J. H.; MacDonald, J. W.; Moore, E. H.; Noble, C. O.

Materials of Construction.

Class II.—Hayes, J. B.

Passed.—Fraser, W. L.; MacAloney, R. G.; MacDonald, J. H.; Moore, E. H.; Smith, L. K.

FACULTY OF LAW.
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.—McDade, G. M.; Lane, W. F.; Barry, C. R.; Yeoman, R. F.; (Blauvelt, R. B.; Doiron, E.); McLean, T. M.; Kinsman, W. L.; Fraser, J. S.; Rudland, J. A.; (Dwyer, D. L.; Penny, J. J.); Boylan, R. E.; Feeney, G. T.

Class II.—Pallen, W.; Rutledge, J. E.; McLeod, H. G.; Tyler, R. N.; Reid, N. G.

Passed.—Bell, L. G.; Campbell, A. D.; Chisholm, E. A.; Gray, K. H.; Henry, Harry; Jones, H. R. StC.; MacDonnell, A. J.; McMahon, H. K.; Patterson, F. H.; Potter, W. P.; Young, G. DeW.

Contracts.

Class I.—Feeney, G. T.; Nicholson, J. H. T.; Graham, F. D.; Potter, W. P.; Doiron, E.; (Dawson, R. M.; McLean, T. M.); Pallen, W.

Class II.—Rutledge, J. E.; McDade, G. M.

Passed.—Barry, C. R.; Chisholm, E. A.; Daley, G. M.; Fraser, J. S.; Hanna, W. F.; MacDonnell, A. J.; McLeod, C. T.; Patterson, F. H.; Reid, N. G.; Young, G. DeW.

Torts.

Class I.—McDade, G. M.; Barry, C. R.; Feeney, G. T.; Pallen, W.; Yeoman, R. F.; McLean, T. M.; (Doiron, E.; McLeod, H. G.); Campbell, A. D.

Class II.—Patterson, F. H.; Rudland, J. A.; Rutledge, J. E.

Passed.—Blauvelt, R. B.; Chisholm, E. A.; MacDonnell, A. J.; Potter, W. P.; Reid, N. G.; Young, G. DeW.

Wills.

Class I.—McDade, G. M.; Penny, J. J.; McLean, T. M.; Macaulay, P.; Lane, W. F.; (Hawkins, C. R.; Doiron, E.); Barry, C. R.

Class II.—(Dwyer, D. L.; Tyler, R. N.); Feeney, G. T.; Bell, L. G.; (Yeoman, R. F.; Pallen, W.; Swanson, J. K.; Potter, W. P.); Patterson, F. H.; Phinney, E. C.

Passed.—Blauvelt, R. B.; Boylan, R. E.; Campbell, A. D.; Chisholm, E. A.; Fraser, J. S.; Kinsman, W. L.; Lewis, G. M.; MacDonnell, A. J.; Rutledge, J. E.; Webber, H. L.

Constitutional History.

Class I.—Feeney, G. T.; (McDade, G. M.; Doiron, E.); McLean, T. M.; McCleave, H. A.

Class II.—(Dawson, R. M.; McLeod, H. G.); Barry, C. R.
Passed.—Blauvelt, R. B.; Campbell, A. D.; McLeod, C. T.;
 Pallen, W.; Patterson, F. H.; Reid, N. G.

Second Year.

Equity 1.

Class I.—Jones, O. B.; Macnutt, E. R.; Ross, W. A.; Barron, J. A.; Bradley, F. G.; Macdonald, D. D.; Nelson, W. M.

Class II.—Yeoman, R. F.; Macdonald, J. W.; Cyr, A. J.; (Creaghan, J. A.; Pineo, H. H.); Whinyard, L. S.

Passed.—Archibald, M. B.; Barss, W. DeW.; Bell, L. G.; Boylan, R. E.; Cockburn, G. H. I.; Curry, N. R.; Dwyer, D. L.; Graham, F. D.; Hawkins, C. R.; Kemp, H. D.; Kinsman, W. L.; Lane, W. F.; Lewis, G. M.; Murray, W. L.; MacMillan, J. A.; Nicholson, J. H. T.; Ormond, L. E.; Patterson, M. A.; Phinney, E. C.; Ryan, J. L.; Robichaud, L.; Seaman, A. M.; Smith, V. R.; Stairs, H. M.; Swanson, J. K.; Tyler, R. N.; Webber, H. L.; Young, G. DeW.

Partnership.

Class I.—Hawkins, C. R.

Class II.—Lane, W. F.; (Kinsman, W. L.; Phinney, E. C.); Barron, J. A.; Cyr, A. J.

Passed.—Archibald, M. B.; Bell, L. G.; Dwyer, D. L.; Kemp, H. D.; Nicholson, J. H. T.; Swanson, J. K.; Tyler, R. N.

Constitutional Law.

Class I.—Swanson, J. K.; Barron, J. A.; Macnutt, E. R.; Archibald, M. B.; Dwyer, D. L.; Robichaud, L.; Lewis, G. M.; Macaulay, P.

Class II.—Nicholson, J. H. T.; Hawkins, C. R.;

Passed.—Bell, L. G.; Cockburn, G. H. I.; Cyr, A. J.; Kemp, H. D.; Lane, W. F.; Kinsman, W. L.; Phinney, E. C.; Stairs, H. M.; Tyler, R. N.

Shipping.

Class I.—Macnutt, E. R.; Barron, J. A.; Nicholson, J. H. T.; Stewart, J. McG.; Archibald, M. B.; Dwyer, D. L.; Robichaud, L.; Graham, F. D.; Hawkins, C. R.; Tyler, R. N.

Class II.—Lewis, G. M.; Kinsman, W. L.; Murray, W. L.; Lane, W. F.; Seaman, A. M.; Boylan, R. E.; Cockburn, G. H. I.; Swanson, J. K.; Yeoman, R. F.

Passed.—Cyr, A. J.; Kemp, H. D.; Stairs, H. M.; Webber, H. L.

Evidence I.

Class I.—(McDade, G. M.; Macnutt, E. R.); Hawkins, C. R.; Doiron, E.; (McLean, T. M.; Swanson, J. K.; Yeoman, R. F.); (Barron, J. A.; Lewis, G. M.); Dwyer, D. L.; (Boylan, R. E.; Feeney, G. T.); Phinney, E. C.

Class II.—(Archibald, M. B.; Barry, C. R.; Macaulay, P.); Webber, H. L.; (Lane, W. F.; Nicholson, J. H. T.); Macdonnell, A. J.; Bell, L. G.; Robichaud, L.

Passed.—Blauvelt, R. B.; Campbell, A. D.; Cockburn, G. H. I.; Cyr, A. J.; Kemp, H. D.; Kinsman, W. L.; Pallen, W.; Patterson, F. H.; Penny, J. J.; Potter, W. P.; Rutledge, J. E.; Tyler, R. N.; Young, G. DeW.

Insurance.

Class I.—(Archibald, M. B.; Stewart, J. McG.); Dwyer, D. L.; (Barron, J. A.; Robichaud, L.; Macnutt, E. R.); Swanson, J. K.; Tyler, R. N.; Lane, W. F.; Nicholson, J. H. T.; Kinsman, W. L.; Boylan, R. E.

Class II.—Cyr, A. J.; MacMillan, J. A.; Bell, L. G.; Yeoman, R. F.; (Webber, H. L.; Phinney, E. C.); Kemp, H. D.

Passed.—Cockburn, G. H. I.; Hawkins, C. R.; Lewis, G. M.; Stairs, H. M.

• Third Year.

International Law.

Class I.—Bradley, F. G.; Smith, V. R.; Seaman, A. M.

Class II.—Ryan, J. L.; Patterson, M. A.; Nelson, W. M.; Creaghan, J. A.;

Passed.—MacMillan, J. A.; Whinyard, L. S.

Conflict of Laws.

Class I.—Stewart, J. McG.; (Nelson, W. M.; Bradley, F. G.); Yeoman, R. F.

Class II.—(Ormond, L. E.; Swanson, J. K.; Hawkins, C. R.); Creaghan, J. A.; Pineo, H. H.; Smith, V. R.

Passed.—Barss, W. DeW.; Curry, N. R.; Macdonald, D. D.; MacMillan, J. A.; Murray, W. L.; Patterson, M. A.; Ryan, J. L.; Seaman, A. M.; Whinyard, L. S.

Bills and Notes.

Class I.—Barron, J. A.; Bradley, F. G.; Jones, O. B.; Graham, F. D.; Macdonald, J. W.; Ross, W. A.; Yeoman, R. F.; Nelson, W. M.; Macaulay, P.

Class II.—Macnutt, E. R.; Ormond, L. E.; Patterson, M. A.; Seaman, A. M.

Passed.—Archibald, M. B.; Barss, W. D.; Bell, L. G.; Boylan, R. E.; Cockburn, G. H. I.; Creaghan, J. A.; Curry, N. R.; Cyr, A. J.; Dwyer, D. L.; Hawkins, C. R.; Kemp, H. D.; Kinsman, W. L.; Lane, W. F.; Lewis, G. M.; Macdonald, D. D.; MacMillan, J. A.; Murray, W. L.; Nicholson, J. H. T.; Phinney, E. C.; Pineo, H. H.; Robichaud, L.; Ryan, J. L.; Smith, V. R.; Swanson, J. K.; Stairs, H. M.; Tyler, R. N.; Webber, H. L.; Whinyard, L. S.

Evidence 2.

Class I.—Stewart, J. McG., Jones, O. B.; Macdonald, J. W.; Bradley, F. G.; Pineo, H. H.; Seaman, A. M.; Patterson, M. A.; Ross, W. A.

Class II.—Smith, V. R.; (Barss, W. DeW.; Macdonald, D. D.; Nelson, W. M.); Creaghan, J. A.; Murray, W. L.; (MacMillan, J. A.; Whinyard, L. S.)

Passed.—Ryan, J. L.

Companies.

Class I.—(Stewart, J. McG.; Bell, L. G.)

Class II.—(Robichaud, L.; Archibald, M. B.); Boylan, R. E.; Bradley, F. G.; (Pineo, H. H.; Ormond, L. E.)

Passed.—Barron, J. A.; Barss, W. DeW.; Creaghan, J. A.; Curry, N. R.; Cyr, A. J.; Dwyer, D. L.; Hawkins, C. R.; Kemp, H. D.; Kinsman, W. L.; Lane, W. F.; Lewis, G. M.; Murray, W. L.; Macdonald, D. D.; Macdonald, J. W.; MacMillan, J. A.; Nelson, W. M.; Nicholson, J. H. T.; Patterson, M. A.; Ryan, J. L.; Seaman, A. M.; Smith, V. R.; Stairs, H. M.; Swanson, J. K.; Tyler, R. N.; Whinyard, L. S.

FACULTY OF MEDICINE.**GENERAL PASS LIST.**

Names are in Alphabetical Order.

Final Professional.

Dickie, W. R.; Doull, J. A.; Gass, C. L.; Lebbetter, T. A.; Mackasey, W. P.; MacKenzie, S. G.; McKeough, W. T.; MacLean, Jean A.; MacNeil, Daniel*; Moilliet, A. K.; Morton, L. M.; Reid, J. B.; Tait, H. S.; Tompkins, M. G.; Wiswell, G. B.

Fourth Professional.

Blackett, A. E.; Brean, J. S.; Chisholm, J. S.; Davidson, V. D.; Densmore, F. T.; Gittleson, P. M.; Godfrey, H. M.; Graham, J. V.; Heal, J. G. F.; Lebbetter, T. A.*; MacKenzie, S. G.*; Moore, H. S.; Withrow, R. R.

Third Professional.

Blackadar, K. K.; Currie, J. A.; Dwyer, T. R.; Godfrey, A. T.; Hines, Arthur; Kirkpatrick, H. W.; Moore, H. S*; Pennington, Louise A.; Stoddard, R. H.; Whitehouse, Samuel.

Second Professional.

Blackadar, K. K.*; Campbell, D. St. C.; Campbell, J. G. D.; Davies, J. A.; Lindsay, R. D.; Lyons, J. N.; McDonald, W. M.; McGrath, J. P.; McLarren, P. D.; Mahabir, K. G.; Marsters, C. G.; Pennington, Louise A.†; Sieniewicz, Thad.; Turel, S. J.; Weir, A. F.; Zwicker, D. W. N.

First Professional.

Blauvelt, H. O.; Campbell, A. B.; Campbell, D. St. C.; Dickie, J. B.; Francis, O. M.; McKay, J. W.; MacKenzie, D. J.; Pennington, Louise A.**; Thorne, C. W.

*Supplementary Exam. September, 1913.

†Supplementary Exam. April, 1913.

** Supplementary Exam. April, 1914.

SUPPLEMENTARY EXAMINATIONS.

- Surgery 2.—Lebbetter, T. A.
 Medical Jurisprudence.—Lebbetter, T. A.
 Medicine 2.—Lebbetter, T. A.
 Obstetrics 4th. Yr.—Lebbetter, T. A.
 Biology 1.—Campbell, D. St. C.
 Medicine Final.—MacNeil, Daniel.
 Hygiene.—MacKenzie, S. G.
 Anatomy 1.—Anderson, J. W.; Campbell, D. St. C.; Herman,
 G. E.; Matheson, Florence E.
 Anatomy 2.—Blackadar, K. K.; Lyons, J. N.; Marsters, C. G.
 Physiology 2.—Campbell, D. St. C.; Matheson, Florence E.
 Physiology 1 & 3.—Lyons, J. N.
 Pathology 1 & 2.—Moore, H. S.
 Physics 1B.—Pennington, Louise A.
 Chemistry 3.—Lyons, J. N.
 Physiology 1.—Keith, Claude.

CLASS LISTS.

**Names under Heading "Distinction" are in Order of Merit;
 under "Passed" in Alphabetical Order. Brackets
 indicate Candidates of Equal Merit.**

FIRST YEAR.

Anatomy I.

Distinction.—McConney, J. R. T.

Passed.—Blauvelt, H. O.; Campbell, A. B.; Dickie, J. B.;
 Drury, D.; Francis, O. M.; McKay, J. W.; MacKenzie, D. J.;
 Sammy, J. S.; Thorne, C. W.; Trefry, H. S.

Biology 1.

Passed.—Blauvelt, H. O.; Francis, O. M.; McConney, J. R.
 T.; McKay, J. W.; MacKenzie, D. J.; McLean, N. A.; Thorne,
 C. W.; Trefry, H. S.

Chemistry 1B.

Distinction.—MacKenzie, D. J.;

Passed.—Blauvelt, H. O.; Burke, J.; Dickie, J. B.; Drury, D.;
 Francis, O. M.; McConney, J. R. T.; Sammy, J. S.; Thorne, C.
 W.; Trefry, H. S.

Special Lab. Examination.—Reinhardt, Ethel B.

Physics 1B.

Passed.—Blauvelt, H. O.; Campbell, A. B.; Dickie, J. B.;
 Francis, O. M.; McKay, J. W.; MacKenzie, D. J.; Sammy,
 J. S.; Trefry, H. S.

Histology.

Distinction.—Sammy, J. S.; McConney, J. R. T.

Passed.—Blauvelt, H. O.; Campbell, A. B.; Dickie, J. B.;
 Drury, D.; Francis, O. M.; McKay, J. W.; MacKenzie, D. J.;
 Reinhardt, Ethel B.; Thorne, C. W.

SECOND YEAR.

Anatomy 2.

Distinction.—Campbell, J. G. D.; McLarren, P. D.; Fuller, C. K.

Passed.—Anderson, J. W.; Campbell, D. St. C.; Coulter, W. B.; Davies, J. A.; Lindsay, R. D.; McCurdy, D. S.; McDonald, W. M.; McGrath, J. P.; Mahabir, K. G.; Sieniewicz, Th.; Turel, S. J.; Weir, A. F.; Zwicker, D. W. N.

Chemistry 3.

Distinction.—Campbell, J. G. D.; McLarren, P. D.

Passed.—Campbell, D. St. C.; Davies, J. A.; Lindsay, R. D.; McDonald, W. M.; McGrath, J. P.; Mahabir, K. G.; Marsters, C. G.; Matheson, H. A.; Sieniewicz, Th.; Turel, S. J.; Weir, A. F.; Zwicker, D. W. N.

Physiology.

Distinction.—McLarren, P. D.; Campbell, J. G. D.; Weir, A. F.

Passed.—Anderson, J. W.; Campbell, D. St. C.; Coulter, W. B.; Davies, J. A.; Fuller, C. K.; Lindsay, R. D.; McDonald, W. M.; McGrath, J. P.; Mahabir, K. G.; Matheson, Florence E.; Sieniewicz, Th.; Turel, S. J.; Zwicker, D. W. N.

THIRD YEAR.

Materia Medica.

Distinction.—Hines, A.; Godfrey, A. T.

Passed.—Blackadar, K. K.; Currie, J. A.; Dwyer, T. R.; Kirkpatrick, H. W.; Lyons, J. N.; Pennington, Louise A.; Stoddard, R. H.; Whitehouse, S.

Pathology.

Passed.—Blackadar, K. K.; Currie, J. A.; Dwyer, T. R.; Godfrey, A. T.; Hines, A.; Kirkpatrick, H. W.; Pennington, Louise A.; Stoddard, R. H.; Whitehouse, S.

Physiology 4.

Passed.—Blackadar, K. K.; Currie, J. A.; Dwyer, T. R.; Godfrey, A. T.; Hines, A.; Kirkpatrick, H. W.; Lyons, J. N.; Pennington, Louise A.; Stoddard, R. H.; Whitehouse, S.

Surgery 1.

Distinction.—Hines, A.; Dwyer, T. R.; Whitehouse, S.

Passed.—Blackadar, K. K.; Currie, J. A.; Godfrey, A. T.; Kirkpatrick, H. W.; Pennington, Louise A.; Stoddard, R. H.

Medicine 1.

Distinction.—Hines, A.; Stoddard, R. H.; (Whitehouse, S.; Kirkpatrick, H. W.)

Passed.—Blackadar, K. K.; Currie, J. A.; Dwyer, T. R.; Godfrey, A. T.; Lyons, J. N.; Pennington, Louise A.

Obstetrics 1.

Distinction.—(Blackadar, K. K.; Hines, A.); Stoddard, R. H.; Pennington, Louise A.; Whitehouse, S.; Kirkpatrick, H. W.; Godfrey, A. T.

Passed.—Currie, J. A.; Dwyer, T. R.; Lyons, J. N.

FOURTH YEAR.**Surgery 2.**

Distinction.—Graham, J. V.; Heal, J. G. F.; (Blackett, A. E.; Chisholm, J. S.; Godfrey, H. M.)

Passed.—Brean, J. S.; Davidson, V. D.; Densmore, F. T.; Gittleson, P. M.; Moore, H. S.; Withrow, R. R.

Medicine 2.

Distinction.—Moore, H. S.; Kilpatrick, Eliza; (Chisholm, J. S.; Blackett, A. E.)

Passed.—Brean, J. S.; Davidson, V. D.; Densmore, F. T.; Gittleson, P. M.; Godfrey, H. M.; Graham, J. V.; Heal, J. G. F.; LeBlanc, J. E.; Meech, L. R.; Withrow, R. R.

Obstetrics 2.

Distinction.—Blackett, A. E.; Graham, J. V.; (Kilpatrick Eliza; Moore, H. S.; Heal, J. G. F.); (Brean, J. S.; Godfrey, H. M.); Meech, L. R.

Passed.—Chisholm, J. S.; Davidson, V. D.; Densmore, F. T.; Gittleson, P. M.; LeBlanc, J. E.; Withrow, R. R.

Medical Jurisprudence.

Distinction.—Blackett, A. E.; Graham, J. V.; Godfrey, H. M.; Chisholm, J. S.

Passed.—Brean, J. S.; Davidson, V. D.; Densmore, F. T.; Gittleson, P. M.; Heal, J. G. F.; Kilpatrick, Eliza; LeBlanc, J. E.; Meech, L. R.; Moore, H. S.; Withrow, R. R.

Hygiene.

Distinction.—Kilpatrick, Eliza; (Blackett, A. E.; Davidson, V. D.; Graham, J. V.); Heal, J. G. F.; Godfrey, H. M.

Passed.—Brean, J. S.; Chisholm, J. S.; Densmore, F. T.; Gittleson, P. M.; LeBlanc, J. E.; Meech, L. R.; Moore, H. S.; Withrow, R. R.

FINAL EXAMINATION.**Surgery and Surgical Anatomy.**

Distinction.—McKeough, W. T.; Morton, L. M.; (Gass, C. L.; MacLean, Jean^A); Doull, J. A.

Passed.—Dickie, W. R.; Lebbetter, T. A.; Little, F. R.; Mackasey, W. P.; MacKenzie, S. G.; Moilliet, A. K.; Reid, J. B.; Tait, H. S.; Tompkins, M. G.; Wiswell, G. B.

Clinical Surgery.

Distinction.—(Doull, J. A.; Morton, L. M.).

Passed.—Dickie, W. R.; Gass, C. L.; Lebbetter, T. A.; Little F. R.; Mackasey, W. P.; MacKenzie, S. G.; McKeough, W. T.; MacLean, Jean A.; Moilliet, A. K.; Reid, J. B.; Tait, H. S.; Tompkins, M. G.; Wiswell, G. B.

Medicine.

Distinction.—Doull, J. A.

Passed.—Dickie, W. R.; Gass, C. L.; Lebbetter, T. A.; Mackasey, W. P.; MacKenzie, S. G.; McKeough, W. T.; MacLean, Jean A.; Moilliet, A. K.; Morton, L. M.; Reid, J. B.; Tait, H. S.; Tompkins, M. G.; Wiswell, G. B.

Clinical Medicine.

Distinction.—Morton, L. M.; Doull, J. A.; Mackasey, W. P.; Little, F. R.; (MacKenzie, S. G.; Wiswell, G. B.)

Passed.—Dickie, W. R.; Gass, C. L.; Lebbetter, T. A.; McKeough, W. T.; MacLean, Jean A.; Moilliet, A. K.; Reid, J. B.; Tait, H. S.; Tompkins, M. G.

Obstetrics and Diseases of Women and Children.

Distinction.—(McKeough, W. T.; Reid, J. B.); Moilliet, A. K.; Dickie, W. R.

Passed.—Doull, J. A.; Gass, C. L.; Lebbetter, T. A.; Little, F. R.; Mackasey, W. P.; MacKenzie, S. G.; MacLean, Jean A.; Morton, L. M.; Tait, H. S.; Tompkins, M. G.; Wiswell, G. B.

Hygiene and Therapeutics.

Distinction.—Doull, J. A.

Passed.—Dickie, W. R.; Gass, C. L.; Lebbetter, T. A.; Little, F. R.; Mackasey, W. P.; MacKenzie, S. G.; McKeough, W. T.; MacLean, Jean A.; Moilliet, A. K.; Morton, L. M.; Reid, J. B.; Tait, H. S.; Tompkins, M. G.; Wiswell, G. B.

FACULTY OF DENTISTRY.**CLASS LISTS.**

**Names under heading "Distinction" are in order of merit;
under heading "Passed" in alphabetical order.
Brackets indicate candidates of equal merit.**

Fourth Year.**Crown and Bridge Work, Ceramics and Hygiene.**

Distinction.—Parker, C. W.; (Chisholm, G. P.; Daniel, H. L.); Cowan, C. H.

History, Ethics and Jurisprudence.

Passed.—Chisholm, G. P.; Cowan, C. H.; Daniel, H. L.; Parker, C. W.

Operative Dentistry.

Passed.—Chisholm, G. P.; Cowan, C. H.; Daniel, H. L.; Parker, C. W.

Orthodontia.

Passed.—Chisholm, G. P.; Cowan, C. H.; Daniel, H. L.; Parker, C. W.

Prosthetic Dentistry.

Distinction.—Parker, C. W.; Daniel, H. L.; Chisholm, G. P.
Passed.—Cowan, C. H.

Surgery and Anaesthetics.

Passed.—Chisholm, G. P.; Cowan, C. H.; Daniel, H. L.; Parker, C. W.

Third Year.**Crown and Bridge Work and Ceramics.**

Distinction.—Woodbury, K. F.; McLellan, F. F.
Passed.—Nichols, M. P.

Orthodontia.

Passed.—McLellan, F. F.; Nichols, M. P.; Woodbury, K. F.

Operative Dentistry.

Distinction.—Woodbury, K. F.;
Passed.—McLellan, F. F.; Nichols, M. P.

Pathology and Bacteriology.

Passed.—McLellan, F. F.; Nichols, M. P.; Woodbury, K. F.

Oral Pathology and Therapeutics.

Distinction.—Woodbury, K. F.;
Passed.—McLellan, F. F.; Nichols, M. P.

Materia Medica.

Passed.—McLellan, F. F.; Nichols, M. P.; Woodbury, K. F.

Prosthetic Dentistry.

Distinction.—Woodbury, K. F.
Passed.—McLellan, F. F.; Nichols, M. P.

University Lists.

Metallurgy.

Distinction.—Woodbury, K. F.; McLellan, F. F.; Nichols, M. P.

Second Year.**Anatomy. 2A.**

Distinction.—Bagnall, J. S.

Passed.—Fraser, W. R.; Richmond, G. B.

Chemistry 3.

Passed.—Bagnall, J. S.; Fraser, W. R.; Richmond, G. B.

Physiology.

Distinction.—Bagnall, J. S.

Passed.—Fraser, W. R.; Richmond, G. B.

Operative Dentistry.

Distinction.—Bagnall, J. S.

Passed.—Fraser, W. R.; Richmond, G. B.

Prosthetic Dentistry.

Distinction.—Bagnall, J. S.; Richmond, G. B.; Fraser, W. R.

First Year.**Anatomy 1A.**

Passed.—Crosby, R. C.; Ferguson, H. V.; Stultz, G. N.

Chemistry 1B.

Distinction.—Ferguson, H. V.

Passed.—Crosby, R. C.; Stultz, G. N.

Histology.

Passed.—Ferguson, H. V.; Stultz, G. N.

Operative Dentistry.

Passed.—Crosby, R. C.; Ferguson, H. V.; Stultz, G. N.

Prosthetic Dentistry.

Distinction.—Crosby, R. C.; Ferguson, H. V.; Stultz, G. N.

Physics.

Passed.—Crosby, R. C.; Ferguson, H. V.; Stultz, G. N.

STUDENTS 1913-14.

FACULTY OF ARTS AND SCIENCE.

Adams, Robert Smyth	Truro, Col. Co
Aikins, Charles Ernest	Guysboro Intervale, Guys. Co
Allan, Shirley Silver	Pugwash, Cumb. Co.
Allen, Kathleen Emma	Halifax.
Allum, Henry Arthur	Halifax.
Appleby, Nema	Halifax.
Archibald, Alexander Daniel	New Town, Guys. Co.
Archibald, George Edward	Upper Musquodoboit, Hfx. Co.
Archibald, Harry Bambrick	Truro, Col. Co.
Archibald, Mary McKay	Wolfville, Kings Co.
Arthur, Edna Maude	Halifax.
Auld, Walter Richard	Freetown, P. E. I.
Austen, Kenneth John	N. E. Margaree, Inv. Co.
Bayer, Lilian Beatrice	Rockingham, Hfx. Co.
Bayne, Charles Macdonald	Halifax.
Bayne, Lily Isabel	Hillsboro, Inv. Co.
Bell, Hugh Philip	Halifax.
Bell, Mary Florence	Dartmouth.
Bennett, Carl Norwood	Halifax.
Blakeley, Cecil Pearson	Halifax.
Blanchard, Henry Hubbard	Ellershouse, Hants Co.
Blois, Verna Mabel	Halifax.
Boak, Harriet Mathilda	Halifax.
Brookfield, George Piers	Halifax.
Brown, Gordon Charles	Halifax.
Cameron, John Murray	New Town, Guys. Co.
Campbell, George Henderson	Halifax.
Campbell, Jean Pauline	Fairview, Hfx. Co.
Campbell, Katherine Lillian	Halifax.
Campbell, Lawrence Blair	Halifax.
Campbell, Richard Frederick	
Blake	Truro, Col. Co.
Campbell, Thane Alexander	Summerside, P. E. I.
Chapman, Edward Willard	
Gordon	Halifax.
Chipman, Nathan Lewis	Yarmouth.
Chisholm, Mary Patricia	Halifax.
Chisholm, William Harold	Halifax.
Christie, Ethelyn Mary	River Hébert, Cumb. Co.
Clarke, Jean McDougald	Middle Stewiacke, Col. Co.
Clayton, Edward Reginald B. A.	Halifax.
Clayton, Mary Louise, B. A.	Halifax.
Clemen, Olga Adele Emma	Halifax.
Clemen Rudolf Alexander Leopold, B. A.	Halifax.
Coade, Paul Patrick	Windsor, Hants Co.
Colpitt, Merle Perry	Halifax.
Colquhoun, Catherine	
Cameron	Halifax.

- Colquhoun, David Alfred
Yeadon Halifax.
- Condron, Ruth Dartmouth.
- Conneiy, Jean Alzuma Great Salmon River, N. B.
- Corsbie, Wilfred Campbell Trinidad, B. W. I.
- Craig, Alexander Fraser Truro, Col. Co.
- Craig, Jean Tatamagouche, Col. Co.
- Crawford, Edward Hugh St. John's, Newfoundland.
- Creelman, Emma Kathleen Truro, Col. Co.
- Creighton, Edith Murray Halifax.
- Creighton, Howard Alexander Halifax.
- Creighton, John James Scotsburn Station, Pic. Co.
- Creighton, Lois Sutherland Halifax.
- Crosby, Charles Harris Halifax.
- Crowe, Clara Alice Lower Truro, Col. Co.
- Crowell, Evelyn Meredith Halifax.
- Currie, Mary Maude Tatamagouche, Col. Co.
- Daley, Gordon McLaren Halifax.
- Dawson, Charles Howard Truro, Col. Co.
- Dawson, James Arthur McLellan's Brook, Pic. Co.
- Dawson, Martin Henry Truro, Col. Co.
- Dawson, Robert MacGregor Bridgewater, Lun. Co.
- de Blois, Wilhelmina Ritchie Halifax.
- Doane, William Edward
Everett Halifax.
- Dodwell, Edward Lionel Halifax.
- Douglass, Peter Gerald Dartmouth.
- Duncan, Thomas Carruthers Halifax.
- Dwyer, Gerald Halifax.
- Ellis, Evelyn Digby.
- Evans, Cyril Ansell Halifax.
- Faulkner, Georgene Lilian
LeMessurier Halifax.
- Forbes, Charles Hedley Gibson, N. B.
- Fox, Frank Benbow Valley, Col. Co.
- Frame, Hugh Campbell Halifax.
- Fraser, Alexander Daniel Springhill, Cumb. Co.
- Fraser, Ella Christine Westville, Pic. Co.
- Fraser, Everett Scott San Fernando, Trinidad, B. W. I.
- Fraser, James Macdonell Cushing, Quebec.
- Fraser, James Stanley New Glasgow, Pic. Co.
- Fraser, Margaret Catherine Elgin, Pic. Co.
- Fraser, William Lawrence New Glasgow, Pic. Co.
- Freeman, Ida Clare, B. A. Halifax.
- Fuller, Charles Knowles Yarmouth.
- Fultz, Stephen Lloyd Halifax.
- Geddes, William Grindstone, Magdalen Islands, P. Q.
- Gilliatt, Mary Esther Granville Centre, Ann. Co.
- Gillies, Emma Catherine Glace Bay, C. B. Co.
- Grant, Jennie Gordon Moncton, N. B.
- Gray, Kenneth Herbert Seafoam, Pic. Co.
- Guildford, David Adams, B. A. Halifax.
- Guildford, Mary Moir Halifax.
- Hall, Agnes Fulton Halifax.
- Hall, Bessie Louisa Bridgewater, Lun. Co.
- Hanna, William Fielding Middle Musquodoboit, Hfx. Co.

- Hanright, Frederick Rice.....Halifax.
 Hardwicke, Harold Hamilton..Annapolis Royal.
 Harris, William Edwin.....Pictou.
 Hart, Ruth Vivian.....Halifax.
 Harvey, Margaret.....Worcester, Mass, U. S. A.
 Harvey, Naomi.....Halifax.
 Hawkins, Gertrude May.....Halifax.
 Hawkins, Rupert Clarence Giles Halifax.
 Hayes, James Bertram, B. Sc.,
 B. A. (Mt. Ali.).....Halifax.
 Heffler, Foster Almon.....Halifax.
 Henderson, George Hugh.....Pictou.
 Henry, Elizabeth Blanche....River John, Pic. Co.,
 Hoben, Alma Grace.....Halifax.
 Hoben, Annie Lou.....Halifax.
 Holland, Clyde Wallace.....Halifax.
 Holmes, George Raymond....Hamilton, Bermuda,
 Hopkins, George William
 Leader.....Reading, Berkshire, Eng.
- Inglis, Constance.....Halifax.
 Irving, Lou Dorothy.....Buctouche, N. B.
 Irving, Rupert Inglis.....Moncton, N. B.
 Irving, William Sowerby.....Shubenacadie, Hants. Co.
- Jardine, Marjorie Doherty....Moncton, N. B.
 Johnstone, Murray Fraser....Sydney, C. B. Co.
 Jones, Frederick Howard.....Dartmouth.
 Jones, Helen Lorna.....Dartmouth.
- Kane, Helen England.....Halifax.
 Kemp, Hector Downie.....St. Peter's, Rich. Co.
 Kinley, Wilfred Francis.....Lunenburg.
- Lantz, Floyd Crawford.....Halifax.
 Lawley, James Herman.....North Sydney, C. B. Co.
 Lawrence, Archibald Rowley..Halifax.
 Lawrence Jessie, Lenore.....Halifax.
 Lawrence, LeRoy Litchfield...Hantsport, Hants. Co.
 Lebbetter, Thomas Alphonsus North Sydney, C. B. Co.
 Leslie, Robert Jamieson.....Halifax.
 Linton, Hubert Miller.....Truro, Col. Co
 Lordly, George Reading.....Halifax.
- MacAloney, Ralph Gordon....Fairview, Hfx. Co.
 Macaskill, Marguerite
 Elizabeth.....Baddeck, Vic. Co.
 Macaskill, William Ross.....Baddeck, Vic. Co.
 Macaulay, Peter.....Big Baddeck, Vic. Co.
 McCleave, Harry Austin.....Stewiacke, Col. Co.
 McCurdy, Edward Grant....Middle Musquodoboit, Hfx. Co.
 McCurdy, Isobel Gatherer...Halifax.
 MacDonald, James William...Green Hill, Pic. Co.
 MacDonald, John.....Boulardarie Head, Vic. Co.
 MacDonald, John Herbert....Sydney Mines, C. B. Co.
 Macdonald, Neil Ewan.....Framboise, Rich. Co.
 Macdonald, Roderic Churchill Halifax.
 McDonald, Wilfred Murray...Sydney Mines, C. B. Co.
 Macdougall, Jessie Laurence..Parrsboro, Cumb. Co.
 McDougall, William Dewar...Whycocomagh, Inv. Co.

- McGrath, Annie Laura Tignish, P. E. I.
 McGrath, Mona Rose St. John, N. B.
 MacGregor, Donald Gordon Amherst, Cumb. Co.
 MacGregor, Jean Margaret New Glasgow, Pic. Co.,
 McInnes, Anna Halifax.
 McInnes, Charles Malcolm Calgary, Alta.
 Mackay, Charles Alexander Truro, Col. Co.
 MacKay, Mable Catherine Pictou.
 MacKenzie, Charles Guy Charlottetown, P. E. I.
 MacKenzie, Daniel Angus Toney River, Pictou Co.
 MacKenzie, Emelyn Laura Lower Middle River, Vic. Co.
 MacKenzie, Norman Archibald
 MacRae Elmsdale, Hants Co.
 MacKinnon, Murdoch Charles Canoe Cove, P. E. I.
 McLatchey, Edward Bernard Campbellton, N. B.
 MacLean, Christina Myrtle Thorburn, Pic. Co.
 MacLean, David Edward Charlottetown, P. E. I.
 McLellan, Adam Johnson Noel Shore, Hants Co.
 McLellan, Frederic Fulton Noel Shore, Hants Co.
 Macleod, Annie May Pictou.
 Macleod, Charles Tupper New Haven, Vic. Co.
 MacLeod, Dan Campbell New Waterford, C. B. Co.
 MacLeod, Dan Frank South Gut of St. Anns, Vic. Co..
 MacLeod, Edna Hector New Haven, Vic. Co.
 MacLeod, George Daniel Oyster Bed Bridge, P. E. I.
 McLeod, Hugh Gordon Green Hill, Pic. Co.
 MacLeod, Jessie Point Tupper, Rich. Co.
 McLeod, John Charles Point Tupper, Rich. Co.
 McLeod, John Kenneth Sydney Mines, C. B. Co.
 MacLeod, MacIntosh Baddeck, Vic. Co.
 MacLeod, Malcolm Plaster Mines, Vic. Co.
 Macleod, Murdock Gordon New Haven, Vic. Co.
 MacMahon, Henry Keith Waterville, Kings Co
 McMillan, Sadie Nell Sydney, C. B. Co.
 MacMorran, Alexander
 Morrison Oak Hill, N. B.
 MacNeily, William Henry MacNeily's, Ann. Co.
 MacNevin, Colin Uriah De Sable, P. E. I.
 MacNutt, Roy Douglas Truro, Col. Co.
 McPhail, Annie Laurie Dartmouth.
 McQuarrie, Charles Allan Lorne, Pic. Co.
 Mahabir, Kenneth Grant San Fernando, Trinidad, B. W. I
 Malcolm, Florence Pearl Halifax.
 Marshall, David Fraser New Glasgow, Pic. Co.
 Martin, John Patrick Dartmouth.
 Matheson, Henry Angus Tatamagouche, Col. Co.
 Melvin, Arthur Gordon Halifax.
 Mitchell, John O'Hanlon Halifax.
 Montgomery, Edith McNeill Malpeque, P. E. I.
 Mooney, Reuel Burdett Stellarton, Pic. Co.
 Moore, Ernest Hastings Sydney, C. B. Co.
 Moore, Rowland Chapman Halifax.
 Morrison, Kate Dartmouth.
 Morrison, Lewis Nelson Halifax.
 Moseley, Frank Harold Dartmouth.
 Mulligan, William Orr, B. A.
 (Man.) Bedford, Hfx. Co.

- Munro, Arthur John Margaree Harbor, Inv. Co.
 Munro, Jephtha Seth Margaree Harbor, Inv. Co.
 Murray, Claude Mabou, Inv. Co.
 Murray, George West Branch River John, Pic. Co.
 Murray, Hugh Allan Halifax.
 Musgrave, William
 Burnthorne Halifax.
- Nelson, Eda Maude Truro, Col. Co.
 Nicholson, John Angus Valleyfield, P. E. I.
 Nickerson, James Stanley Shelburne.
 Noble, Clarke Osborne Brooklyn, N. Y., U. S. A.
 Nugent, James Belliveau Moncton, N. B.
- O'Brien, Willard Cleveland... Noel, Hants Co.
- Pallen, Wesley New Glasgow, Pic. Co.
 Palmer, Gertrude Louise Halifax.
 Paterson, John George Grand River, Rich. Co.
 Patterson, Robert Archibald... Richibucto, N. B.
 Penny, Elizabeth Mary Halifax.
 Phinney, Earle Caleb Bear River, Ann. Co.
 Piers, Judith Forbes Halifax.
 Porter, William Arthur Yarmouth.
 Pottier, Hector Joseph Eel Brook, Yar. Co.
 Power, Joseph Francis Halifax.
 Power, Mary Louise Halifax.
 Pugsley, Chester Arthur Amherst, Cumb. Co.
- Rae, Victor Guest Halifax.
 Rattee, Neil MacLean Malpeque, P. E. I.
 Raynor, Harold Stewart Enmore, P. E. I.
 Reid, Norman Graham Green Hill, Pic. Co.
 Reid, Ralph Kenneth Middle Musquodoboit, Hfx. Co.
 Reinhardt, Ethel Beatrice LaHave, Lun. Co.
 Ritchie, Chester Arthur Boston, Mass. U. S. A.
 Robb, Andrew Webster St. John, N. B.
 Roche, Charles Joseph Bedford, Hfx. Co.
 Rogers, William Marshall Halifax.
 Roome, Richard Edward
 Graham Dartmouth.
- Ross, Agnes Stewart St. John, N. B.
 Ross, John Shearer Glasgow, Scotland.
 Ross, Mary Alexandra St. John, N. B.
 Rutledge, James Edward Halifax.
 Ryan, Joseph Henry Halifax.
- Sammy, James Sukhnanan San Fernando, Trinidad, B. W. I.
 Scott, Robert Hamilton Jardineville, N. B.
 Scriven, William George Halifax.
 Sibley, Gladys Marguerite Halifax.
 Silver, Louis Edward Halifax.
 Smith, Ernest Earle Burton... Milltown, Maine, U. S. A.
 Smith, Ernest Spurgeon North Sydney, C. B. Co.
 Smith, Gerald Raymond Halifax.
 Smith, Lloyd Keating Halifax.
 Smith, Marion Reid Dartmouth.
 Soule, Ivan Edgar Milltown, N. B.
 Stairs, Gavin Lang Halifax.
 Stairs, Graham Halifax.

Stairs, Helen Elizabeth Halifax.
 St. Arnauld, Mrs. Henry Utica, N. Y., U. S. A.
 Stewart, Evelyn Jean Bridgewater, Lun. Co.
 Stewart, John McKenzie Grove's Point, C. B. Co.
 Strickland, Leslie Clide Trenton, Pic. Co.

Taylor, Howard Martin Windsor, Hants Co.
 Theakston, Harold Raymond Sydney, C. B. Co.

Umlah, Annie Lecina Boak Halifax.

Vickery, Hubert Bradford Yarmouth.

Wallace, Mary Douglas Shubenacadie, Hants Co.
 Walls, Victor Benjamin Blackville, N. B.
 Webber, Harry Louis Sydney, C. B. Co.
 Webster, George Edwards Charlottetown, P. E. I.
 Whidden, George Edmund Truro, Col. Co.
 Whitman, Philip Louis Halifax.
 Whyte, Earle Forrester Truro, Col. Co.
 Whyte, Juanita May Truro, Col. Co.
 Wilson, Harry Alexander Halifax.
 Withrow, Helena Howe Elmsdale, Hants Co.
 Wolfe, Janet Barbara Dartmouth.
 Wood, Walter Augustus River Herbert, Cumb. Co.
 Zinck, Austin Alvin East Chester, Lun. Co.

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Colquhoun, Lillias Williamina . Halifax.
 Cooke, Norman Logan Gay's River, Col. Co.
 Cunningham, Velma Purves Antigonish.
 Ferguson, Elizabeth Catherine . Balmoral Mills, Col. Co.
 Freeman, Robert Porter Halifax.
 Lewis, George Murray Yarmouth.
 McCabe, John Maxwell
 Skinner Durham, Pic. Co.
 MacDonald, Stanley Walwin . .
 Matheson Baddeck, Vic. Co.
 MacIntosh, James MacGregor . West River, Pic. Co.
 Zwicker, Robert Josiah La Have, Lun. Co.

FACULTY OF LAW.

Third Year.

Barss, Walter DeWolfe, B. A.(Acad.)	Dartmouth.
Bradley, Frederick Gordon	St. John's, Nfld.
Creaghan, John Adams, B. A.(U.N.B.)	Newcastle, N. B.
Curry, Nathaniel Rennie	Montreal, P. Q.
Jones, Owen Bell, B. A., M. A.	Halifax.
Macdonald, Donald Duncan, B. A.	
(St. F. X.)	Bailey's Brook, Pic. Co.
Macdonald, John Welsford, B. A.	
(Tor.)	Pictou.
Murray, Wilfred Laurier, B. A.	
(Mt. All.)	Halifax.
Nelson, William McCully, B. A.	Tatamagouche, Col. Co.
Ormond, Lawrence Edward, B. A.	
(St. F. X.)	Amherst, Cumb. Co.
Patterson, Malcolm Alexander	Sydney, C. B. Co.
Pineo, Henry Hoyt, B. A.(Acad.)	Waterville, Kings Co.
Ross, William Alexander	St. John, N. B.
Ryan, Joseph Lawrence, B. A.	
(St. Mary's, Maine.)	Three Brothers, N. B.
Seaman, Alexander Macfarlane	Minudie, Cumb. Co.
Smith, Vincent Reynold, B. A.	
(St. F. X.)	Amherst, Cumb. Co.
Stewart, James McGregor, B. A.	Halifax.
Whinyard, LeMert Stevens	Lawrencetown, Ann. Co.

Second Year.

Ackhurst, Ernest Victor, B. A.	Halifax.
Archibald, Maynard Brown	Manganese Mines, Col. Co.
Barron, John Augustine	St. John's Newfoundland.
Bell, Leslie Gordon, B. A. (Mich.)	Medicine Hat, Alberta.
Boylan, Raymond Edward, B. A.	
(St. F. X.)	New Ross, Lun. Co.
Cockburn, George Herbert Inglis, B.	
A. (U. N. B.)	St. Andrew's, N. B.
Cyr, Arthur Joseph	St. Hilaire, N. B.
Dwyer, Daniel Louis, M. A. (St. F.X.)	St. Stephen, N. B.
Hawkins, Charles Robert, B. A.	Fredericton, N. B.
Kemp, Hector Downie	St. Peter's, Rich. Co.
Kinsman, William LeRoy, B. A.(Acad.)	Truro, Col. Co.
Lane, William Frederick, B. A., M. A.	
(St. F. X.)	Bayfield, N. B.
Lewis, George Murray, B. A.	Yarmouth,
MacMillan, John Angus	E. Lake Ainslie, Inv. Co.
Macnutt, Earle Reynolds, B. A.(U.N.B.)	Fredericton, N. B.
Nicholson, James Hume Turnbull	Sydney Mines, C. B. Co.
Penny, John Joseph, B. A. (Oxford)	Halifax.
Phinney, Earle Caleb	Bear River, Digby Co.
Robichaud, Louis Prudent Alexander,	
B. A. (St. Jos.)	Cocagne, N. B.
Stairs, Hugh Morrow	Halifax.
Swanson, John King, B. A.	Kentville, Kings. Co.
Tyler, Richard Nicholas, B. A.(Mt. All.)	Louisburg, C. B. Co.
Webber, Harry Louis	Sydney, C. B. Co.
Yeoman, Robert Forsyth, B. A.	Halifax.

First Year.

Barry, Charles Rossiter, B.A. (U. N. B.)	Fredericton, N. B.
Blauvelt, Robert Brooks	Tusket, Yar. Co.
Campbell, Andrew Dominic, B. A.	(St. F. X.)
	Glace Bay, C. B. Co.
Chisholm, Edward Alexander	Havre Boucher, Ant. Co.
Doiron, Ernest, B. A. (St. Jos.)	Shediac, N. B.
Feeney, Gregory Thomas, B. Sc.	(U. N. B.)
	Fredericton, N. B.
Jones, Herbert Reginald St. Clair	Weymouth, Digby Co.
McDade, George Manning	St. John, N. B.
MacDonnell, Andrew Joseph	Glace Bay, C. B. Co.
Mackay, John Keiller	Pictou.
McLean, Thomas Malcolm	Bridgewater, Lunen. Co.
Pallen, Wesley	New Glasgow, Pic. Co.
Patterson, Frank Harris	Tatamagouche, Col. Co.
Potter, William Pitt, B. Sc. (Acad.)	Canning, Kings Co.

Special Students.

Doane, William Edward Everett	Halifax.
Fraser, James Stanley	New Glasgow, Pic. Co.
Graham, Frank Dunstone, B. A.	Halifax.
Gray, Kenneth Herbert	Seafoam, Pictou, Co.,
Hanna, William Fielding	Mid. Musquodoboit, Hfx Co
Henry, Harry	Halifax.
LeBlanc, Joseph Harold	Halifax.
Macaulay, Peter	Big Baddeck, Vic. Co.
McCleave, Harry Austin	Stewiacke, Col. Co.,
McLeod, Charles Tupper	New Haven, Vic. Co.
McLeod, Hugh Gordon	Green Hill, Pic. Co.
McMahon, Harry Keith	Waterville, Kings Co.
Reid, Norman Graham	Green Hill, Pic., Co.
Rudland, John Alexander	Halifax.
Rutledge, John Edward	Halifax.
Young, George DeWitt	Millsville, Pic. Co.

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Graham, Roderick Douglas	New Glasgow, Pic. Co.
Murray, Hugh Allan	Halifax.

FACULTY OF MEDICINE.

Fifth Year.

Dickie, Walter Reginald, B. A.	Stewiacke, Col. Co.
Doull, James Angus, B. A.	New Glasgow, Pic. Co.
Gass, Charles Leon, B. A.	Londonderry, Col. Co.
Lebbetter, Thomas Alphonsus	North Sydney, C. B. Co.
Mackasey, William Patrick	Moncton, N. B.
MacKenzie, Seymour Gourley	Truro, Col. Co.
McKeough, William Thomas,	B. A. (St. F. X.)
	Afzon, Antigonish Co.
McLean, Jean Augusta	North Sydney, C. B. Co.
Morton, Lewis Mark	Springfield, Ann. Co.
Reid, John Burris	Middle Musquodoboit, Hfx. Co.
Tait, Harold Sinclair	St. John's, Newfoundland.
Tompkins, Miles Gregory	East Margaree, Inv. Co.
Wiswell, Gordon Blanchard, B.A.	Halifax.

Fourth Year.

Blackett, Arthur Edwin.....	Halifax.
Brean, Joseph Seward.....	Glace Bay, C. B. Co.
Chisholm, James Stanley.....	Halifax.
Davidson, Victor David.....	Truro, Col. Co.
Densmore, Fred Thompson.....	Noel Shore, Hants Co.
Gittleson, Philip Michael.....	Glace Bay, C. B. Co.
Codfrey, Harry Munn.....	Marshfield, P. E. I.
Graham, Judson Vye.....	New Glasgow, Pic. Co.
Heal, James Gordon Freeman...	Dartmouth.
Kilpatrick, Eliza.....	Sydney Mines, C. B. Co.
LeBlanc, Joseph Emile, B. A. (Ste. Anne).....	Church Point, Digby Co.
Meech, Lloyd Remington.....	North Sydney, C. B. Co.
Moore, Hugh Stewart.....	Kentville, Kings Co.,
Withrow, Ralph Roscoe.....	Elmsdale, Hants Co.

Third Year.

Blackadar, Karl Kenneth.....	Hebron, Yar. Co.
Currie, James Albert.....	Port Morien, C. B. Co.
Dwyer, Thomas Ronald.....	Holyrood, Newfoundland.
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.....	Lunenburg.

Second Year.

Anderson, John Wilcox.....	Heart's Content, Nfld.
Britton, Harry Earle.....	Northport, Cumb. Co.
Campbell, Donald St. Clair.....	Fairview, Halifax Co.
Campbell, John George Duncan	Halifax.
Coulter, William Busby.....	Wallace Sta., Cumb. Co.
Davies, John Angus.....	Salt Springs, Pic. Co.
Fuller, Charles Knowles, B. A., (Mt. A.).....	Yarmouth.
Herman, George Evans, B. A....	Dartmouth.
Lindsay, Roy Dickson.....	Cariboo Mines, Hfx. Co.
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.
Marsters, Charles Galitzan.....	Halifax.
Matheson, Florence Elizabeth...	Plainfield, Pic. Co.
Sieniewicz, Thaddeus.....	Fairview, Halifax Co.
Turel, Solomon Jacob.....	Halifax.
Weir, Andrew Fraser.....	New Glasgow, Pic. Co.
Zwicker, Douglas William Norman.....	Lunenburg.

University Lists.

First Year.

Blauvelt, Hugh Osmund	Windsor, Hants Co.
Burke, John	Carbonear, Newfoundland.
Campbell, Alexander Brown	Inverness, Inv. Co.
Cooper, Reginald Frederick Clough	Savannalamar, Jamaica, B.W.I
Dickie, John Barrie	Truro, Col. Co.
Drury, David	Dartmouth.
Francis, Olive Michael	Grenada, B. W. I.
Kirk, James Ralph	Antigonish.
McConney, Jonathan Randolph Theophilus	Belmont, Port of Spain, B. W. I.
McKay, Joseph William	Truro, Col. Co.
MacKenzie, Donald John	Broughton, C. B. Co.
MacLean, Neil Archibald	Big Island, Pic. Co.
Reinhardt, Ethel Beatrice	LaHave, Lun. Co.
Sammy, James Sukhnanan	San Fernando, Trin. B. W. I.
Thorne, Clarence William	Lower Granville, Ann. Co.
Trefry, Harold Scott	Yarmouth.
Zwerling, Morris Benjamin	Halifax.

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Keith, Claude Hill	New Glasgow, Pic. Co.,
MacNeil, Daniel, B. A. (St. F. X.)	Mabou, Inv. Co.
Moilliet, Alexander Keir	Seymour, Texas, U. S. A

FACULTY OF DENTISTRY.

Fourth Year.

Chisholm, George Philip	Halifax.
Cowan, Canada Harold	Regina, Sask.
Daniel, Herbert LeMert	Bear River, Digby Co.
Parker, Charles William	Belleisle, Ann. Co.

Third Year.

McLellan, Frederic Fulton	Noel Shore, Hants Co.
Nichols, Morley Puncheon	Aylesford, Kings Co.
Woodbury, Karl Fairfield	Halifax.

Second Year.

Bagnall, John Stanley	Charlottetown, P. E. I.
Fraser, Roy Weldon	New Glasgow, Pictou Co.
Richmond, Gordon Baxter	Sydney, C. B. Co.

First Year.

Crosby, Reginald Clifton	Dartmouth.
Ferguson, Herbert Vernon	Pictou.
Stultz, Guy Nobles	Wolfville, Kings Co.





