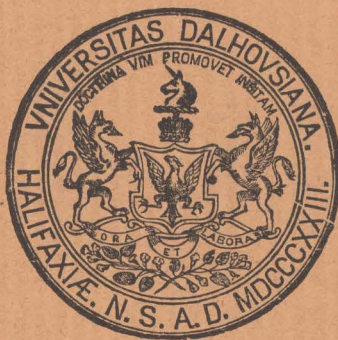


CALENDAR *+ K.P.*  
OF  
DALHOUSIE COLLEGE  
AND  
UNIVERSITY.

HALIFAX, NOVA SCOTIA.

1901-02.



HALIFAX

PRINTED FOR THE UNIVERSITY BY McALPINE PUBLISHING Co., LTD.

1901.

# 1901-1902.

## TIME TABLE—FACULTIES OF ARTS AND SCIENCE.

Years.	Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.
First Year.	9	Jun. Chem.		Jun. Chem.		Jun. Chem.
	10	Latin	Greek	Latin	Greek	Latin
	11	Jun. Math.	Jun. Math.	Jun. Math.	Jun. Math.	Jun. Math.
	12	English	English	English	English	English
	2	2nd German.	2nd French	2nd German.	2nd French	2nd German.
3	1st German.	1st French	1st German.	1st French	1st German.	
3	Botany*					
Second Year.	9	3rd German.	3rd French.	3rd German.	3rd French.	3rd German.
	10	Sen. Chem.	Sen. Chem.	Sen. Chem.	Sen. Chem.	Sen. Chem.
	11	Sen. Math.	Sen. Math.	Sen. Math.	Sen. Math.	Sen. Math.
	12	Latin	Greek	Latin	Greek	Latin
	4	Jun. Physics.	Jun. Physics.	Jun. Physics.	Jun. Physics.	Jun. Physics.
12	English	Jun. Phil.	English	Jun. Phil.	English	
2	2nd German.	2nd French	2nd German.	2nd French	2nd German.	
4	Jun. Physics.				Jun. Phil.	
Third Year.	9	3rd German.	3rd French.	3rd German.	3rd French.	3rd German.
	10	Sen. Physics.	Const. Hist.	Adv. Classics.	Const. Hist.	
	11	Sen. Phil.	Sen. Chem.	Sen. Physics.	Sen. Chem.	
	12	Mod. Phil.	1st Greek.	Sen. Phil.	1st Greek.	
	2	Jun. History.	English.	Mod. Phil.	English.	Sen. Chem (Md)
	3	Adv. Math.	Pol. Economy	Jun. History.	Pol. Economy.	
	2	2nd German.	App. Mechan.	Jun. Physics.	App. Mechanics	
	3	Botany *	Jun. History.	Mineralogy.	Jun. Physics.	Jun. History.
	3	1st German.	Zoology	Greek	Mineralogy.	Acoustics.
	4	Moral Phil.	1st French.	Latin	Greek	Adv. Classics.
	4	Greek Phil.	Adv. Phil.	Adv. Math.	Adv. Math.	Adv. Math.
	4	Botany*	Bib. Liter	2nd German.	2nd French	2nd German.
4	Jun. Physics.					
2	30					
3	1st German.		1st German.	Zoology		
4	Moral Phil.		Adv. Phil.	1st French.	1st German.	
4	Greek Phil.		Bib. Liter	Adv. Phil.	Moral Phil.	
4	Botany*			Bib. Liter	Greek Phil.	
4	Jun. Physics.		Education.			
Fourth Year.	9	3rd German.	3rd French.	3rd German.	3rd French.	3rd German.
	10	Adv. English.	Sen. Chem.	Const. Law.	Const. Law.	Const. Law.
	11	Sen. Phil.	Pol. Economy	Adv. Classics.	Sen. Chem.	Adv. English.
	12	Sen. Physics.	Pol. Economy	Sen. Phil.	Pol. Economy.	
	1	Adv. Mat. Phy	App. Mechan.	Sen. Physics.	Const. Law.	Sen. Chem (Md)
	2		Sen. History.	Adv. Mat. Phy	App. Mechanics	Adv. Exp. Phys
	3		Mineralogy.	Mineralogy.	Sen. History	
	4		2nd Greek.	2nd Greek.	Mineralogy	
	12	Latin	3rd Greek.	Latin	3rd Greek.	Adv. Classics.
	1		Adv. Math.	Contracts	Adv. Math.	Contracts
	2	2nd German.			2nd French.	Adv. Math.
	3	Botany*	2nd French.	2nd German.	2nd French.	Adv. Math.
2	30				2nd German.	
3	Moral Phil.	Zoology		Zoology		
4	Greek Phil.	Adv. Phil.		Adv. Phil.	Moral Phil.	
4	Botany*	Bib. Liter.		Bib. Liter	Greek Phil.	
4		English.		English.		

N. B.—The days and hours of meeting of classes not mentioned in this Time Table will be arranged at the opening of the session.

\* The time of meeting of the Botany class may, in the event of conflict, be changed.

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# UNIVERSITY ALMANAC, 1901-1902.

1901.

- Aug. 15. Th.—Last day for receiving applications for Matriculation Examination (Provincial Medical Board.)
19. M.—Last day for receiving notices of Supplementary Examinations (Medical Faculty.)
27. Tu.—Last day for receiving notices of Supplementary Examinations (Law Faculty.)
29. Th.—Session (Medical Faculty) begins. Matriculation Examination (Prov. Med. Board) begins at 9 A. M., at Medical College.
- Sept. 2. M.—Supplementary Examinations begin (Medical Faculty), 10 A. M.  
“ “ Results Matriculation Examination (Prov. Med. Board) declared, and certificates issued.  
“ “ Registration and payment of Class Fees (Medical Faculty) 11 A. M.
3. Tu.—Lectures begin at Halifax Medical College.  
“ “ Session begins (Law Faculty).  
10 A. M., Registration and payment of Class Fees.  
3 P. M., Supplementary Examinations.
4. W.—Lectures begin (Law Faculty).
7. Sa.—10 A. M., Meeting of Senate.  
10 A. M., Meeting of Faculty of Arts.
9. M.—Last day for receiving notices of Supplementary Examinations (Arts and Science Faculties).
10. Tu.—Session begins (Arts and Science Faculties).  
3 P. M., Registration of candidates for Matriculation and Scholarship Examinations (Arts and Science Faculties).
11. W.—Examination for Junior and Senior Matriculation and for Entrance Scholarships (Arts and Science Faculties).  
9.45 A. M., Latin.  
3 P. M., Greek.
12. Th.—10 A. M., Geometry.  
3 P. M., Arithmetic, Algebra.
13. F.—10 A. M., History and Geography,  
3 P. M., English.
14. Sa.—10 A. M., French.  
3 P. M., German.
16. M.—10 A. M., Chemistry.  
“ “ 10 A. M., Supplementary Examinations begin (Arts and Science Faculties).
18. W.—9 A. M., Meetings of Faculties of Arts and Science.  
3 P. M., CONVOCATION. Address by Prof. D. A. Murray, Ph. D.
19. Th.—Registration and payment of class fees (Arts and Science Faculties).  
“ “ Lectures begin (Arts, Science and Medical Faculties).
- Oct. 1. Tu.—Intimation as to elective subjects to be made by undergraduates (Arts Faculty) on or before this day.
3. Th.—4.30 P. M., Meeting of Faculty of Law.
14. M.—Returns as to residence and church attendance to be made on or before this day.
19. F.—4.30 P. M., Meeting of Faculties of Arts and Science.

- Nov. 7. Th.—4.30 P. M., Meeting of Faculty of Law.  
 —. Th.—Thanksgiving Day.—No lectures.  
 —. F. —Munro Day.—No lectures.
- Dec 5. Th.—4.30 P. M., Meeting of Faculty of Law.  
 12. Th.—Last day of lectures (Arts and Science Faculties).  
 14. Sa.—Christmas Examinations (Arts and Science Faculties) begin :  
     9.00 A. M., Junior Philosophy, Senior Physics.  
     3.00 P. M., Junior Physics.  
 16. M.—8.45 A. M., Latin.  
     11.15 A. M., French.  
     3.00 P. M., Botany.  
 17. Tu.—9.00 A. M., German.  
     11.15 A. M., Junior and Senior Mathematics.  
     3.00 P. M., First English, Moral Philosophy.  
 18. W.—9.00 A. M., Political Economy.  
     11.15 A. M., Second, Third and Fourth English.  
     3.00 P. M., Chemistry, Senior Philosophy.  
 19. Th.—9.00 A. M., Greek.  
     11.15 A. M., Senior History.  
     3.00 P. M., Junior and Senior Mathematics, Junior History.  
     Applied Mechanics.  
 28. F. —Last day of lectures (Law and Medical Faculties).

## 1902.

- Jan. 2. Th.—Lectures resumed (Faculty of Law).  
 7. Tu.—Lectures resumed (Faculties of Arts, Science and Medicine.)  
 24. F. —4 P. M., Meeting of Senate.
- Feb. 6. Th. —4.30 P. M., Meeting of Faculty of Law.  
 14. F. —Last day of Lectures (Faculty of Law).  
 15. Sa.—Sessional Examinations begin (Faculty of Law).  
     10 A. M., Equity.  
 17. M.—10 A. M., Constitutional History, International Law.  
     3 P. M., Constitutional Law.  
 18. Tu.—10 A. M., Sales.  
     3 P. M., Crimes.  
 12. W. —Ash Wednesday—No Lectures.  
 “ “ 10 A. M., Real Property, Advanced.  
     3 P. M., Torts.  
 20. Th.—10 A. M., Evidence.  
     3 P. M., Real Property, 1st Year.  
 21. F. —10 A. M., Contracts, Conflict of Laws.  
     3 P. M., Shipping.
- Mar. 1. Sa.—Last day for receiving M. A., M. L., and M. Sc. Theses.  
 28. F. —Good Friday.—No Lectures.
- Apr. 2. W. —Last day for receiving applications for Primary and Final  
     M. D., C. M. Examinations.  
 8. Tu.—Last day of lectures (Faculties of Arts and Science).  
 10. Th.—Last day of lectures (Faculty of Medicine).  
 “ “ Spring Examinations (Faculties of Arts and Science) begin.  
     9.00 A. M., Senior and Junior Philosophy.  
     3.00 P. M., Education.  
 11. F. —9.00 A. M., Practical Chemistry (Laboratory, 1st Division.)  
     2.30 P. M., Practical Chemistry (Laboratory, 2nd Division).  
 12. Sa.—8.45 A. M., Latin.  
     11.15 A. M., French.  
     3.00 P. M., Practical Physics.

- Apr 14 M.—Class certificates (Medical Faculty, and Hx. Med. College), issued on presentation of class fee receipts at Registrar's office, Dalhousie College, 11 A. M., and at Secretary's office, Hfx. Med. College, respectively.
- “ “ Spring Examinations continued:  
9.00 A. M., Second, Third and Fourth English.  
11.15 A. M., Additional French.  
3.00 P. M., Junior Physics.
- 15 Tu.—9.00 A. M., First English, Additional Third English.  
11.15 A. M., Political Economy, Mineralogy.  
3.00 P. M., Sen. Physics; Addit. Jun. and Sen. Philosophy.
- 16 W.—Primary and Final M. D., C. M. Examinations begin.  
Spring Examinations continued:  
9.00 A. M., Jun. and Sen. Practical Chemistry (written.)  
11.15 A. M., Mathematics, Junior History.  
3.00 P. M., Additional Latin; Additional Education; Junior Anatomy; Materia Medica and Therapeutics; Surgery.
- 17 Th.—9.00 A. M., Junior and Senior Chemistry.  
3.00 P. M., Addit. Greek; Medical Jurisprudence and Hygiene; Medicine.
- 18 F.—9.00 A. M., Greek.  
11.00 A. M., Sen. History.  
3.00 P. M., Moral Philosophy; Sen. Anatomy; Pathology.
- 21 M.—9.00 A. M., Mathematics; Addit. Sen. Physics.  
11.15 A. M., Addit. Junior Physics.  
3.00 P. M., Addit. History; Addit. First and Second English; Histology; Obstetrics and Diseases of Women and Children.
- 22 Tu.—9.00 A. M., Addit. Mathematics; Addit. Moral Philosophy; Oral Examination in Chemistry.  
2.00 P. M., Clinical Medicine at Victoria General Hospital.  
2.30 P. M., Oral Exams. in Chem., Med. Jurisprudence and Hygiene, Mat. Medica and Therapeutics.  
3.00 P. M., German.
- 23 W.—9.00 A. M., Addit. German.  
11.45 A. M., Addit. Political Economy.  
2.00 P. M., Clinical Surgery at Victoria General Hospital.  
3.00 P. M., Botany; Addit. 1st and 2nd German; Physiology.
- 24 Th.—9.00 A. M., Zoology.  
2.30 P. M., Oral Exams., Anatomy, Pathology.
- 25 F.—2.30 P. M., Oral Exams., Physiology, including Histology; Surgery; Medicine; Obstetrics and Diseases of Women and Children.
- 26 Sa.—Meeting of Faculties of Arts and Science at 9 A. M.  
“ “ Meeting of Faculty of Medicine at 4 P. M.
- 28 M.—Meeting of Senate at 9 A. M.  
“ “ Results of Examinations (Faculties of Arts, Science and Medicine) declared.
- 29 Tu.—CONVOCATION, at 3 P. M.

N. B.—The dates of the Examinations are liable to change as circumstances may demand.

## HISTORICAL SKETCH.

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DALHOUSIE COLLEGE was founded by the Right Honourable George Ramsay, Ninth Earl of Dalhousie, in 1821, "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, in Maine, during its occupation in 1814 by Sir John C. Sherbrooke, then Lieutenant-Governor of Nova Scotia. These funds the British Government authorized the Earl of Dalhousie, Sir John's successor, to expend "in defraying the expense of any improvement which it might seem expedient to undertake in the Province;" and the Earl, believing that "a Seminary for the higher branches of education is much needed in Halifax—the seat of the Legislature—of the courts of justice—of the military and mercantile Society," decided upon "founding a College or Academy on the same plan and principle of that at 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."

The original Board of Governors consisted of the Governor-General of British North America, the Lieutenant-Governor of Nova Scotia, the Bishop, the Chief Justice and President of Council, the Provincial Treasurer and Speaker of the House of Assembly,

After unsuccessful efforts on the part of both the British Government and the Board of Governors to effect a union with King's College, the only other then existing in the Province, this College went into operation in 1838, under the Presidency of the Rev. Thomas McCulloch, D.D., and with a staff of three Professors.

By an Act passed in 1841, University powers were conferred on the College, and the appointment of the Governors was vested in the Lieutenant-Governor and Council.

In 1843, President McCulloch died; and in 1845, the College was closed, the Governors considering it "advisable to allow the funds of the institution to accumulate."

In 1848, an Act was passed authorizing the Lieutenant-Governor and Council to appoint a new Board of Governors "to take some steps for rendering the institution useful and efficient as to His Excellency may seem fit." This Board, from 1849 to 1859, employed the Funds of the University to support a High School.

In 1856, the Arts department of the Gorham College, Liverpool, N. S., was transferred to this College "with a view to the furtherance of the establishment of a Provincial University," and an attempt was made to conduct the Institution as a University under the Act of 1841. This union, however, came to an end in 1857.

In 1863 the College was re-organized under the following Act:

*An Act for the Regulation and Support of Dalhousie College.*

(Passed the 20th day of April, A D., 1863.)

WHEREAS, it is expedient to extend the basis on which the said College is established, and to alter the constitution thereof, so as the benefits that may be fairly expected from its invested capital and its central position may, if possible, be realized, and the design of its original founders, as nearly as may be, carried out



*Be it enacted by the Governor, Council, and Assembly, as follows.—*

1. The Board of Governors now appointed, consisting of the Honorable William Young, the Honorable Joseph Howe, Charles Tupper, S. Leonard Shannon, John W. Ritchie, and James F. Avery, Esquires, shall be a body politic and corporate by the name and style of the Governors of Dalhousie College at Halifax, and shall have and exercise all usual powers and authorities as such, and have the title, control and disposition of the buildings on the Parade, at Halifax, and of the property and funds belonging to the said college and held for the use thereof, by the present Governors; and all vacancies at the Board shall be filled up on recommendation of the remaining members thereof by the Governor-in-Council; and any of the Governors shall be removed by the Governor-in-Council, at the instance of the Board of Governors.

2. Whenever any body of Christians, of any religious persuasion whatsoever, shall satisfy the Board that they are in a position to endow and support one or more chairs or professorships in the said College, for any branch of literature or science, approved by the Board, such body in making such endowment, to the extent of twelve hundred dollars a year, shall have a right, from time to time, for every chair endowed, to nominate a Governor to take his seat at the Board with the approval of the Board of Governors and of the Governor-in-Council, and shall also have a right, from time to time, to nominate a Professor for such chair, subject to the approval of the Board of Governors; and in the event of the death, removal, or resignation of any person nominated under this section, the body nominating shall have the power to supply the vacancy thus created.

3. The same right of nominating a Professor from time to time shall belong to any individual or number of individuals, who shall endow to the same extent and support a chair or Professorship, and to the nominee of any testator by whose will a chair or professorship may be so endowed.

4. The Governors shall have power to appoint, and to determine the duties and salaries of the President, Professors, Lecturers, Tutors, and other officers of the College, and from time to time to make statutes and by-laws for the regulation and management thereof, and shall assemble together as often as they shall think fit and upon such notice as to them shall seem meet, and for the execution of the trust hereby reposed in them.

5. The said college shall be deemed and taken to be a University, with all the usual and necessary privileges of such institutions; and the students shall have liberty and faculty of taking the degrees of bachelor master, and doctor, in the several arts and faculties at the appointed times; and shall have liberty within themselves of performing all scholastic exercises for the conferring of such degrees, and in such manner as shall be directed by the statutes and by-laws

6. No religious tests or subscriptions shall be required of the professors, scholars, graduates, students, or officers of the College.

7. The internal regulations of the said College shall be committed to the *Senatus Academicus*, formed by the respective chairs or professorships thereof subject in all cases to the approval of the Governors.

8. The Legislature shall have power, from time to time, to modify and control the powers conferred by this Act.

9. The Acts heretofore passed in relation to Dalhousie College are hereby repealed, except the Act passed in the fourth year of his late Majesty King George the Fourth, entitled, "An Act authorizing the lending of a sum of money to the Governors of Dalhousie College, and for securing the payment thereof"

This Act was afterwards amended by the following Acts :

*An Act to amend the Act for the Regulation and support of Dalhousie College,*

(Passed the 6th day of May, A. D., 1875.)

*Be it enacted by the Governor, Council, and Assembly, as follows :*

1. The present Board of Governors, consisting of nine persons, shall be increased to a number not exceeding fifteen ; and the Board shall be filled up with new nominations made on the same principle as set forth in the first section of the Act hereby amended ; and any of the Governors shall be removable, as heretofore by the Governor-in-Council.

2. The Governors shall have power to affiliate to Dalhousie College any other college desirous of such affiliation, or any schools in arts, in theology, in law, or in medicine, and to make statutes for such affiliations, and for the regulation and management thereof, on the same principles as obtain in other Universities, and to vary and amend such statutes from time to time. Provided always, that such statutes of affiliation, before they go into effect, shall be submitted to and receive the sanction of the Governor-in-Council.

3. So much of Chapter 24 of the Acts of 1863, entitled, "An Act for the Regulation and Support of Dalhousie College," or of any other Act as is inconsistent with this Act, is repealed.

---

*An Act to provide for the Organization of a Law Faculty in connection with Dalhousie College, and for other purposes,*

(Passed the 14th day of April, A. D., 1881.)

*Be it enacted by the Governor, Council, and Assembly, as follows:—*

1. The Governors of Dalhousie College, at Halifax, shall in addition to the powers conferred on them by section 2 of chapter 27 of the Acts of 1875, entitled, "An Act to amend the Act for the Regulation and Support of Dalhousie College," have power to organize a Faculty of Law in connection with such College, and to appoint professors or lecturers in law, and out of the revenues of the College to provide for the maintenance and support of such Faculty, and to make rules for the regulation and management of such Faculty, and for the granting of degrees in law on the same principles as obtain in other universities, and to vary and amend such rules from time to time.

2. Section 3 of Chapter 24 of the Acts of 1863, entitled, "An Act for the regulation and support of Dalhousie College," is amended by adding the words "and governor" after the word "professor" in the said section, and any individual who has hitherto endowed a Chair or Chairs in the College shall have a right to nominate a governor for each Chair endowed, in the same way as if section 3 aforesaid had been originally passed as now amended.

3. Section 1 of the said chapter 27 of the Acts of 1875, is amended by adding the words "provided, however, that in the event of any body of Christians, individual, or number of individuals, endowing and supporting one or more Chairs or professorships in the said College, as provided by sections 2 and 3 of the Act hereby amended, and of such body of Christians or individuals nominating a professor or governor by virtue thereof, the number of governors may be increased beyond fifteen, but such increase shall be limited to the number of such chairs or professorship as may after the passing of this Act be founded by virtue of said sections 2 and 3."

In pursuance of the Act of 1863, the Presbyterian Church of the Lower Provinces closed their College, and agreed to support two chairs in this University; the Synod of the Maritime Provinces in connection with the Church of Scotland founded one chair; and the College opened in that year, under the Principalship of Rev. James Ross, D.D., and with an Arts Faculty of six Professors. On the death of Principal Ross in 1885, and Professor Lyall in 1890, the Presbyterian Church withdrew the two Professorships they had previously supported.

In 1868, a Faculty of Medicine was organized, which, in 1875, developed into the Halifax Medical College. In 1885 the Faculty was re-organized.

In 1883 the Faculty of Law, and, in 1891, the Faculty of Pure and Applied Science, were added.

In 1879, the late GEORGE MUNRO, of New York, a native of this Province, placed in the hands of the Governors the funds necessary for the endowment of a Professorship of Physics. In 1881 he established a Professorship of History and Political Economy. In 1882, he founded a chair of English Language and Literature. In 1883 he added to the staff of the College a Professor of Constitutional and International Law. In 1884 he founded a Professorship of Philosophy. From 1883 till 1890 he provided Tutors in Classics and Mathematics. From 1880 to 1894 he provided the University with Exhibitions and Bursaries to the amount of \$83,148 69, which, according to his own desire, were so offered for competition as to stimulate to greater activity and efficiency the High Schools and Academies of Nova Scotia and the neighboring Provinces.

The Governors desire to place on permanent record their high sense of Mr. Munro's enlightened public spirit, and their gratitude to him for the munificent manner in which he came to their help in the work of building up an unsectarian University in Nova Scotia.

To connect the donor's name for all time with the benefits thus conferred both on the University and on his native country, the chairs which he founded shall be called the GEORGE MUNRO CHAIRS OF PHYSICS, OF HISTORY AND POLITICAL ECONOMY, OF ENGLISH LANGUAGE AND LITERATURE, OF CONSTITUTIONAL AND INTERNATIONAL LAW, AND OF PHILOSOPHY, respectively.

In 1882, ALEXANDER MCLEOD, Esq., of Halifax, bequeathed to the University the residue of his estate. The following is an extract from his will:

"All the residue of my estate I give and bequeath to the Governors of Dalhousie College or University in the City of Halifax in Trust, that the same shall be invested and form a fund to be called the McLeod University Fund, and the interest and income of which shall be applied to the endowment of three or more professorial chairs in said College as they may deem proper; but this bequest is made upon these conditions namely, that if at any time the said College or University shall cease to exist, or be closed for two years, or be made a sectarian college, then and in any such case, the said fund and all accumulations thereof shall go to the said Synod of the Maritime Provinces of the Presbyterian Church in Canada, to be used for the purposes of higher education in connection with said Synod, and it is further stipulated that no part of this fund shall ever be used, either by said Governors of Dalhousie College or by the said Synod, as a collateral security under any circumstances whatever."

According to the provisions of the will, the MCLEOD CHAIRS OF CLASSICS, CHEMISTRY, and MODERN LANGUAGES were founded.

In 1886, the late SIR WILLIAM YOUNG, one of the oldest and best friends of the College, subscribed \$20,000 to start a Building Fund. In 1887, Sir William Young bequeathed to the University half the residue of his estate, together with a Prize Fund of \$4,000, and the amount remaining unpaid of his subscription to the Building Fund. The following are extracts from his will :

"I bequeath to the Governors of Dalhousie College at Halifax the sum of \$4,000 to be kept continually invested by them, and that they shall apply the income derived therefrom in founding and maintaining a prize of a gold medal of the value of \$50, to be called Sir William Young's medal, and to be annually awarded for scholastic eminence, and to have the recipient's name engraved thereon, with the year of his attendance at College, and in founding and maintaining such other prizes for distribution among the students of said College as the Governors may from time to time approve.

"Having agreed and promised to the Governors of Dalhousie College to pay them the sum of \$20,000 to aid in the erection of their building now in progress, I direct my executors to pay the said sum from time to time as it may be required by the said Governors.

"All the rest and residue of my estate I direct my executors to divide into two even and equal parts or shares, and to pay over one such part or share to \* \* \*, and the other part or share to the Governors of Dalhousie College at Halifax for the general purposes of said College

"In the event of my having paid to Dalhousie College during my life-time any part of said sum of \$20,000 hereinbefore mentioned, as agreed to be paid to them to aid in the erection of the college buildings, I do direct my executors to pay to said Governors the balance only, if any, that may be due on said sum at the time of my decease."

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In 1887, by the will of the late J. F. Avery, M. D., of Halifax, the following bequest was made to the College :

"I give and bequeath the sum of \$500 to Dalhousie College in the City of Halifax, to be at the disposal of the Senatus of the said College, and the interest thereof to be appropriated for an annual prize."

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In 1887, by the will of the late MRS. HARRIET ELIZABETH MACKENZIE, or MORRISON, of Stonaway, Scotland, formerly of Pictou, N. S., the following bequest was made to the College :

"To Dalhousie College, £1,000 for founding a bursary for students attending said College, subject to such conditions and regulations as the governing body of said College may appoint, but with this proviso that said bursary shall be called the 'Mackenzie Bursary,' and that students of the name of Mackenzie, Maclean, and Fraser shall have a preference in the selection of beneficiaries therefor."

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In 1890, by the will of the late JOHN P. MOTT, Esq., of Halifax, the following bequest was made to the College :

"I give and bequeath to the Board of Governors of Dalhousie College, or to such individuals or organization in whom or in which the control of such College shall be legally vested, the sum of ten thousand dollars, to be legally invested by the said Governors, individuals or organization, and the proceeds applied for the benefit of such College so long as it shall remain and continue to be a non-sectarian institution as at present."

In 1901 the College received the following bequest from the late Professor Charles Macdonald, M. A. :—

“To Dalhousie College Library Fund two thousand dollars for the purchase of books chiefly in English literature ; the annual interest of this sum only to be employed or used.”

The following donations have been made to the Endowment Fund :

Sir William Young, Hon. W. J. Stairs, Hon. Stayley Brown, John Gibson, John P. Mott, Wm. P. West, Thos. A. Ritchie, and Hon. Robert Boak, \$1,000 each ; Thos. E. Fraser, \$600 ; Adam Burns, Peter Jack, Hon. Jeremiah Northup, Prof. Lawson, Alex. McLeod, Hon. J. W. Carmichael, Prof. Macdonald, Prof. Weldon, \$500 ; Prof. J. G. MacGregor, \$400 ; D. C. Fraser, M. P., J. M. Carmichael, George F. McKay, Prof. H. Murray, \$250 each ; Sinclair & Patterson, \$240 ; Hugh MacKenzie, C. H. Cahan, \$200 each ; J. F. McLean, \$150 ; Israel Longworth, R. J. Turner, George Campbell, Mrs. J. R. Dickie, J. C. Mahon, H. T. Sutherland, Senator McKay, \$100 each ; C. A. Robson, \$75 ; Rev. Dr. Burns, \$60 ; Angus Chisholm, J. Heywood McGregor, P. A. McGregor, S. Fraser, J. H. McKay, W. R. Campbell, W. S. Muir, M. D., Martin Dickie, D. H. Smith, Angus Murray, F. A. Laurence, M. P. P., Wm Donald, W. H. Magee, Ph. D., \$50 each ; with smaller sums amounting to \$280.

The following subscriptions have been made to the Building Fund :

Rev. Louis H. Jordan, \$1,000 ; John Doull, John S. Maclean, Hon. R. Sedgwick, \$750 ; Thomas Bayne, John Macnab, Adam Burns, Hon. R. Boak, Dr. Avery, \$500 each ; President Forrest, \$375 ; James Forrest, \$300 ; Prof. John Johnson, Peter Jack, William Miller, Prof. Macdonald, \$250 each ; Prof MacGregor, A. & W. Mackinlay, \$225 each ; Prof. W. J. Alexander, Judge Graham, \$200 each ; James Scott, R. B. Seeton, Rev. Dr. McMillan, Wm. Robertson, J. C. Mackintosh, H. McD. Henry, John Y. Payzant, Pearson, Morrison & Forbes, \$150 each ; J. J. Stewart, \$120. Rev. E. Scott, Peter Ross, H. W. C. Boak, Pictou Academy, \$100 each ; Wm. B. Wallace, Arthur Drysdale, E. L. Newcombe, Alfred Costley, H. W. Barnes, Hugh McKenzie, \$75 each ; W. C. Silver, Graham Fraser, \$50 each ; with smaller sums amounting to \$95.

The following subscriptions have been made from time to time to meet current expenses :

John Doull, \$2 900 ; Adam Burns, \$2,625 ; W. J. Stairs, \$1,450 ; Hon. R. Boak, \$1,410 ; Donald Keith, \$1,000 ; Rev. Pres Forrest, \$900 ; W. B. Ross, \$800 ; Prof. J. Johnson, LL. D., \$600 ; Hon. Sir W. Young, Thos. Ritchie, Prof B Russell, D. C. L., Prof. W. Murray, Farquhar, Forrest & Co., and the Class of 1893, \$500 each ; Rev. J. McMillan, D. D., \$450 ; A. H. McKay, LL. D., \$413 21 ; J. D. MacGregor, \$400 ; J. S. Maclean, Prof. J. Liechti, Drysdale & McInnes, D. A. Campbell, M. D., and Prof. D. A. Murray, \$300 each ; R. L. Borden, and J. C. Mackintosh, \$250 each ; J. Avery, M. D., Sir S. Fleming, Rev. Prin. Grant, LL. D., Thos. Bayne, John Gibson, John Macnab and J. A. Turnbull, \$200 each ; Jas. Scott and A. K. MacKinlay, \$180 each ; The Medical Faculty, \$310 ; Hon. A. G. Jones, Geo. Thomson, and Geo Campbell, M. D., \$150 each ; W. Dennis, H. W. Barnes, W. & J. Macdonald, \$125 each ; J. J. Bremner, \$120 ; B. H. Collins, J. Donaldson, Prof. J. DeMille, Prof. G. Lawson, LL. D., Alex. McLeod, R. Morrow, Hon. J. Northup, Jos. Northup, T. A. Ritchie, Rev. Prin. Ross, D.D., E. Smith, R. H. Skimmings, John

Stairs, James Thomson, Sir C. Tupper, James Thompson (Pictou), J. McG. Stewart, J. H. McKenzie, A. K. McLean, W. D. Cameron, and G. S. Campbell, \$100 each; Hon. J. W. Carmichael, C. D. Hunter, Maj.-Gen. Laurie, Lawson, Harrington & Co. Prof. C. Macdonald, J. P. Mott, and Hon. Judge Ritchie, \$80 each; E. M. Macdonald and R. L. Schwartz, \$75 each; G. P. Mitchell, Hon. S. L. Shannon, and Rev. A. Rogers, \$60 each; J. B. Duffus, R. W. Fraser, Peter Jack, W. H. Neal, C. M. Blanchard, Chas. Morash, Thos. Notting, E. P. Allison, Jas. D. McLean, Prof. A. G. Laird, Prof. J. E. Creighton, Victor Frazee, H. Mellish, T. J. Cahalane, Prof. A. S. Mackenzie, Capt. H. B. Stairs, G. G. Patterson, J. A. MacKinnon, and Geo. E. Faulkner, \$50 each; with smaller sums amounting to \$1,899.

The following donations have been made from time to time for the provision of scientific apparatus and of laboratory and museum equipment:

Alumni Association, \$801.61; Hon. Sir William Young and Prof. E. MacKay, \$500 each; A. H. MacKay, LL. D., \$276.79; Prof. J. G. MacGregor, \$200; J. F. Avery, M. D., Thos. Bayne, Hon. R. Boak, Alex. McLeod, John MacNab, Hon. Jeremiah Northup, W. J. Stairs, and W. P. West, \$100 each; Thomas A. Brown, Messrs. Doull & Miller, Messrs. Esson & Co., John Gibson, Peter Jack, Prof. G. Lawson, J. S. Maclean, Robert Morrow, Hon. J. W. Ritchie, James Thomson, and a Friend, \$50 each: with smaller sums amounting to \$645.

Miss Lawson and Mrs. W. F. McCoy, daughters of the late Prof. Geo. Lawson, have presented their father's microscope to the College.

The following contributions have been made to the Library since 1892 for the purchase of books and to meet current expenses:

Prof. J. Seth (proceeds of course of lectures), \$245; Prof. A. MacMechan (proceeds of courses of lectures), \$573; Faculty of Arts, \$220; Alumni Association, \$343; English Class (proceeds of dramatic recitals), \$60.44; Friend of the College, \$75; H. McInnes, LL. B., \$40; Class of '94, \$49; Lecturers on Education \$60; Philomathic Society \$20; Class of '97, \$53; Class of '95, \$50; S. A. Morton, Esq., M. A., \$12; Class of '96, \$182.50; Class of '98, \$66; Class of '99, \$231.50; Three Friends, \$300; Class of '00, \$123.70; Class of '01, \$100.50; Miss B. L. M., \$6; R. C., \$5; W. M. H., \$2.

For other benefactions see under headings, Library and Museum.

The following donations have been made to the Law Library prior to 1888:

Sir Wm. Young, \$200; Robert Sedgwick, \$600; Professor Weldon, \$500; Prof. Russell, \$400; Mr. Justice Thompson, \$200; John Y. Payzant, \$400; James Thomson, Q. C., \$275; Hon. Wallace Graham, \$400; Hon. H. McD. Henry, \$200; Prof. MacGregor, \$100; J. J. Stewart, \$100; Hon. R. Boak, \$100; John Doull, \$50; Dr. J. F. Avery, \$50; T. A. Ritchie, \$50; Jas. Pyles, \$50; Hon. J. W. Ritchie, \$40; Peter Jack, \$25; Thomas Kenny, \$25; A. K. MacKinlay, \$25; James Scott, \$25; R. W. Fraser, \$20; George W. Munro, \$20; D. Buchanan, \$10; C. S. Harrington, \$150; Hon. S. L. Shannon, \$125; W. J. Stairs, \$100; R. I. Hart, \$100; Doull & Boak, \$100; Hon. J. N. Ritchie, \$100; Hon. J. W. Johnstone, \$50; R. L. Borden, \$50; B. H. Eaton, \$50; S. A. Chesley, \$50; John Menger, \$50; J. T. Ross, \$50; F. B. Wade, \$40; J. N. Lyons, \$25; J. W. Allison, \$25; J. F. Stairs, \$25.

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- Law*: . . . . . 1883-85—J. T. Bulmer.



In Memoriam

CAROLI MACDONALD, M. A.

PER OCTO ET TRIGINTA ANNOS IN HAC UNIVERSITATE  
MATHEMATICAE PROFESSORIS,  
QUI UNDECIMO DIE MENSIS MARTII ANNO DOMINI MDCCCXI,  
AETATIS SUAE SEPTUAGESIMO PRIMO

OBDORMIVIT,

AD SUPREMUM FERE VITAE DIEM OFFICIO FUNCTUS.

HIC VIR DOCTISSIMUS

PRAELECTOR LUCIDISSIMUS

AMICUS AMANTISSIMUS

NATUS ET ARTIBUS LITERISQUE INSTITUTUS IN SCOTIA  
MAJOREM PARTEM VITAE SUAE IN NOVA SCOTIA EGIT,

UBI ASSIDUITATE, BENIGNITATE, CONSTANTIA

ANIMOS OMNIUM SIBI CONCILIAVIT.

HUJUS TANTI VIRI MORTEM OMNES AMICI ET NOTI

VERO DOLORE LUGENT.

IPSE QUIDEM ABIIT, SED NOMEN EJUS ET MEMORIA

MANENT SEMPERQUE MANEBUNT.

# Dalhousie College & University.

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Correspondence should be addressed :

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Cicero, *Orations against Catiline* ; Vergil, *Aeneid*, Book VI. ; \*Cicero, *Pro Lege Manilia* ; \*Vergil, *Aeneid*, Book IV. Latin Prose Composition. Exercises in Sight Translation. Roman History to the Battle of Actium.

*Books recommended* : Cicero, *Orations against Catiline*. (Wilkins's, Macmillan, N. Y., 60 cents), Cicero, *Pro Lege Manilia*, (Wilkins's Macmillan, N. Y., 60 cents), or Cicero, *Selected Orations and Letters*, (Kelsey's Allyn & Bacon, Boston, \$1.25. This book includes all the speeches to be read by the class, and has the advantage of having the vowel-quantities indicated.) Vergil, *Aeneid*, Book VI, (Page's, Macmillan, N. Y., 40 cents). Vergil, *Aeneid*, Book IV, (Stephenson's, Macmillan, N. Y., 40 cents). Bradley's Arnold's *Latin Prose Composition*. Smith's *Smaller History of Rome*, (Harper's, N. Y.). Bennett's *Latin Grammar*, Allyn & Bacon, Boston, cents), or Allen & Greenough's, (Ginn & Co., Boston, \$1.20).

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\*For private reading by students seeking First or Second Class Distinction. Passages for translation at sight will be set in all examinations.

## Second Latin Class.

*Mondays, Wednesdays and Fridays, 11 A. M.—12 M.*

Livy, Book I; Horace, *Odes*, Books I and II; \*Horace, *Odes*, Books III and IV. Latin Prose Composition. Exercises in Sight Translation. Grecian History to the death of Alexander.

*Books recommended:* Livy, Book I, (Rolfe's [text with indicated quantities], Allyn & Bacon, Boston, 25 cents). Horace, *Odes*, (Page's in Macmillan's Classical Series, each book 50 cents, or Books I—IV, in one volume, \$1.25). Bradley's Arnold's *Latin Prose Composition*. Smith's *Smaller History of Greece*, (Harper's, N. Y.).

## Third Latin Class.

*Mondays and Wednesdays, 12 M.—1 P. M.*

Plautus, *Trinummus*; Juvenal, *Selected Satires*; Tacitus, *Germania*. \*Virgil, *Bucolics*, and Books II and III of the *Georgics*. Latin Prose Composition. Exercises in Sight Translation.

*Books recommended:* Plautus, *Trinummus*, (Freeman & Sloman's, Macmillan, 75 cents). Juvenal, (Hardy's, Macmillan, \$1.25). Tacitus, *Germania*, (Church & Brodrigg's, Macmillan, 55 cents). Virgil, *Bucolics* and *Georgics*, (Papillon & Haigh's, Macmillan, 90 cents).

## First Greek Class.

*Tuesdays and Thursdays, 10—11 A. M.*

Xenophon, *Hellenica*, Books I and II; \*Xenophon, *Cyropaedia*, Book I. Greek Prose Composition. Exercises in Sight Translation.

*Books recommended:* Xenophon, *Hellenica*, Books I and II, (Underhill's, Macmillan, 75 cents). Xenophon, *Cyropaedia*, Book I, (Biggs's, Macmillan, 50 cents). Fletcher & Nicholson's *Greek Prose Composition*. Goodwin's *Greek Grammar*, (Ginn & Co., Boston, \$1.25).

## Second Greek Class.

*Tuesdays and Thursdays, 11 A. M.—12 M.*

Lucian, *Vera Historia*; Homer, *Odyssey*, Book IX; \*Lysias, *The Sacred Olive, Against Eratostheres, For the Cripple*. Greek Prose Composition. Exercises in Sight Translation.

*Books recommended:* Lucian, *Vera Historia* (Jerram's, Clarendon Press, 1s. 6d.) Homer, *Odyssey*, Book IX, (Edward's, Macmillan, 60 cents). Lysias, *Select Orations*, (Bristol's, Allyn & Bacon, Boston, \$1.00). Fletcher & Nicholson's *Greek Prose Composition*,

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

Passages for translation at sight will be set in all examinations.

## Third Greek Class.

Tuesdays and Thursdays, 12 M.—1 P. M.

Plato, *Apology* and *Crito*; Aristophanes, *The Clouds*; \*Herodotus, Book VI. Greek Prose Composition. Exercises in Sight Translation.

*Books recommended*: Plato, *Apology* and *Crito*, (Wagner's, Geo. Bell & Sons, London, 2s. 6d.). Aristophanes, *The Clouds*, (Merry's, Macmillan, 75 cents). Herodotus, Book VI, (Strachan's, Macmillan, \$1.00).

## Advanced Class.

Professor.....HOWARD MURRAY, B. A.  
Lecturer.....J. W. LOGAN, B. A.

Three or four times a week.

In this class a portion of the Latin and Greek subjects prescribed for the special Course in Classics is read, and Prose composition is regularly practised.

## II.—NEW TESTAMENT GREEK.

The class and examinations in New Testament Greek, conducted by Professor R. A. FALCONER, M. A., B. 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.

## First Year Class.

Daily, 12.30 P. M.

The work of this class consists of the interpretation of the Gospels, especially those of St. Matthew and St. John. Lectures are also given on the language of the New Testament, the principles of Textual Criticism, Introduction to the Gospels and the Jewish world at the time of Christ.

*Text-books*: Stevens and Burton: *Harmony of the Gospels*, or Huck; *Synopse der drei ersten Evangelien*. Hammond: *Textual Criticism of the New Testament*. Mathew's: *A History of New Testament Times in Palestine*. Simcox: *Language of the New Testament*.

*Books recommended*: F. Blass: *Grammar of N. T. Greek*. Burton: *New Testament Moods and Tenses*. Nestle: *Textual Criticism of the Greek N. T.* Expositors' *Greek Testament*, Vol. I. Plummer: *Gospel of St. Luke*. Westcott: *Gospel of St. John*. Schürer: *The Jewish People in the Time of Christ*.

## III.—HEBREW.

The class and examinations in Hebrew, conducted by Professor JOHN CURRIE, D. D., in the Halifax Theological College, are recognized as qualifying for a degree. Similar classes in other Theological Colleges approved by the Faculty, are also recognized for the same purpose.

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

Passages for translation at sight will be set in all examinations.

## Junior Class.

Daily, 8.45—9.30 A. M.

*Text-book*: Davidson's Introductory Hebrew Grammar, with Progressive Exercises in Reading and Writing, (T. & T. Clark, Edinburgh, 7s. 6s.).

The aim of the course is, by a thorough drill in paradigms, exercises in reading and writing, to impart a fair knowledge of inflection and syntax, and the ability to read at sight easy parts of the Hebrew Scriptures.

*Books recommended*: Gesenius' Hebrew Grammar, revised edition, Mitchell, (Bradley & Woodruff, Boston, \$3). Green's Hebrew Grammar, new edition, unabridged (Wiley and Sons, New York, \$3). Harper's Introductory Hebrew Method and Manual, latest edition, (American Publication Society of Hebrew, Chicago). Robinson's Gesenius' Hebrew Lexicon, (Houghton, Mifflin & Co., Boston, \$6.).

## IV.—MODERN LANGUAGES.

(McLeod Professorship).

Professor.....JAMES LIECHTI, M. A.

## First French Class.

Tuesdays and Thursdays, 3—4 P. M.

Macmillan's *Progressive French Reader*, II year, (Fasnacht). Molière: *Le Bourgeois Gentilhomme*, (Macmillan & Co.). Eugène Scribe: *Valérie* (Macmillan & Co.). Exercises in Grammar and Composition, (Fasnacht's First Course by Macmillan & Co.)

Additional for a First-Class position: Saintine, *Picciola*, First 10 chapters; or Scribe: *Le Verre d'Eau*, or Octave Feuillet: *Le Roman d'un Jeune Homme Pauvre*, first fifteen chapters.

*Text-books*: Brachet's Public School Elementary French Grammar. Other Text-Books required will be announced at the opening of the Session.

## Second French Class.

Tuesdays and Thursday, 2—3 P. M.

For 1901-02. Racine; *Athalie*, Molière: *Les Précieuses Ridicules* (Macmillan & Co.). Sight-reading: a comedy by Scribe. Translation from English writers. Exercises in Syntax. Translation of unspecified passages from modern authors. French Composition.

For 1902-03. Racine; *Esther*. Molière: *L'Avare*. Sight-reading: a comedy by Scribe, (Macmillan & Co.). Translation from English writers. Exercises in Syntax. Translation of unspecified passages from modern authors. French composition.

Molière: *Le Misanthrope*, (Macmillan & Co.), and either Madame de Staël: *L'Allemagne*, first 20 chapters, or Pierre Cœur: *L'Amé de Beethoven*, (Macmillan & Co.), are prescribed for private reading to candidates for a First Class position.

*Text-books*: As in First Class. Outlines of the History of French Literature (Saintsbury's Primer).

## Third and Fourth French Classes.

Tuesdays and Thursdays, 9—10 A. M.

For 1901-02. Corneille : *Horace*. Racine : *Phèdre*. Sight-reading : a comedy by Scribe. Translation from English writers. French composition, 2nd course, by Eugène Fasnacht (Macmillan & Co.). Translation of unspecified passages from modern authors.

For 1902-03. Molière *Les Femmes Savantes*. Racine : *Iphigénie*. Corneille : *Le Cid*, (Macmillan & Co.). Sight-reading : a comedy by Scribe. Translation from English writers. French Composition, 2nd course, by Eugène Fasnacht (Macmillan & Co.). Translation of unspecified passages from modern authors.

*Text-books* : As in Second Class. Masson : *Littérature française*.

THIRD FRENCH : Molière : *Tartufe*, Acts I and II, (Macmillan & Co.), and either Victor Hugo : *Les Travailleurs de la Mer*, Chapters I to V (incl.) (Rivington's) or Madame de Staël : *Corinne ou l'Italie*, livres I to V (incl.) are prescribed for private reading to candidates for a First Class position. FOURTH FRENCH : Molière : *L'Ecole des Maris* and *L'Ecole des Femmes*, (I and II Acts of each).

## First German Class.

Mondays, Wednesdays and Friday, 3—4 P. M.

Buchheim : *German Reader*, Part II. Schiller : *Wilhelm Tell*, (Macmillan & Co.). Additional for a First Class position : Gustav Ebner : *Herr Walther von der Vogelweide*, (Macmillan & Co.), or Helene Stökl : *Unter dem Christbaum*, (D. C. Heath & Co.), or Schiller ; *Wilhelm Tell*, II and III Acts. Exercises in Grammar and Composition. Elementary German Prose Composition, by E. S. Buchheim, (Clarendon Press.)

*Text-books* : Joynes-Meissner's German Grammar, (D. C. Heath & Co). Other text-books required will be announced at the opening of the Session.

## Second German Class.

Mondays, Wednesdays and Fridays, 2—3 P. M.

For 1901-02. Goethe : *Herman und Dorothea*, (Clarendon Press). Lessing : *Minna von Barnhelm*, (Macmillan & Co.). Sight-reading from Helene Stökl's : *Unter dem Christbaum*, (D. C. Heath & Co.). Translations from English writers. Original compositions. Translation of unspecified passages from modern authors.

For 1902-03. Goethe : *Egmont*. Schiller : *Maria Stuart*. (Macmillan & Co.). Sight-reading from Helene Stökl's : *Unter dem Christbaum*, (D. C. Heath & Co.) Translation from English writers. Original compositions. Translations of unspecified passages from modern authors. Bernhard's course in German composition (Ginn & Co.)

*Text Books* : As in First Class. Critical outline of the Literature of Germany by Alb. Sells, Ph. D. (Longmans, Green & Co.

Schiller : *Die Jungfrau von Orleans*, Prolog, and Act I. and either Heine : *Die Harzreise* (Macmillan & Co.), or Freudvoll und Leidvoll (Ed. Dr. W. Bernhardt) (American Book Co.), are prescribed for private reading to candidates for a First Class position.

## Third German Class.

*Mondays, Wednesdays, and Fridays, 9—10 A. M.*

For 1901-02. Lessing: *Minna von Barnhelm* (Macmillan & Co.). Goethe: *Iphigenie auf Tauris*. Prose composition. Translation of unspecified passages from modern authors. Sight-reading from Prehn's *Journalistic German*. (American Book Co.).

1902-03. Lessing: *Nathan der Weise* (Macmillan & Co.). Goethe: *Götz von Berlichingen* (Macmillan & Co.). Prose composition. Translation of unspecified passages from modern authors. Sight-reading from Prehn's *Journalistic German*. (American Book Co.).

Schiller: *Wallensteins Tod*, Act I, 5th Scene; Act II, 2nd and 3rd Scenes; Act III, 18th Scene; (George Bell & Sons) and either Goethe: *Faust, Prolog. im Himmel*, and first three scenes of Part I, (by Jane Lee: Macmillan & Co.), or Heine: *Harzreise* (Macmillan & Co.) are prescribed for private reading to candidates for a First Class position.

*Text Books:* As in Second Class. Bernhardt's *Hauptfakta aus der Geschichte der deutschen Litteratur* (American Book Co.).

## Fourth German Class.

*Twice a Week.*

Schiller: *Lyrische Gedichte*, Goethe: *Faust*, Part I, by Jane Lee: Macmillan & Co.). Prose composition. Translation of unspecified passages from modern authors. Selss's German Literature.

Private reading for a First Class position. Schiller: *Wallsteins Lager*, and Lessing: *Sara Sampson*, or Schiller: *Geisterseher*.

## Advanced German Class.

*Twice a Week.*

The subjects studied in this class will be those prescribed for the special course of English and German (§ viii (8) ). The course will extend over two years.

1901-02. Middle High German: Grammar (Wright's Middle High German Primer). Selections from Wackernagel: *Kleineres Altdeutsches Lesebuch*. Selections from authors of the 18th century. Prose composition.

1902-03. Middle High German; Grammar (Paul's Grammar). Selections from Wackernagel: *Kleineres Altdeutsches Lesebuch*. Selections from Swiss and Plattdeutsch dialect literature. Selections from authors of 16th and 17th centuries. Prose composition.

Other text-books will be announced at the opening of the Session.



## V.—ENGLISH LANGUAGE AND LITERATURE.

(George Munro Professorship.)

Professor.....ARCHIBALD MACMECHAN. PH. D.

The course in English is mainly literary; the method pursued is historical. The different periods are studied in the representative works of the period; and in all cases actual acquaintance with the texts precedes criticism upon them. This part of the course is intended to furnish the student with an outline picture of English literature from Chaucer to Tennyson. The work for "class distinction" is meant to broaden the knowledge of more ambitious students. The essential facts of Historical English Grammar are taught by means of lectures in the Second Year. In Composition, practice is set before theory; the various exercises are corrected and preserved; the writing of "reports" forms part of this work. In the Advanced Classes the aim of the instruction is to acquaint the student with the Grammar of Old and Middle English, and to widen his knowledge of Elizabethan literature.

## First (A.) Class.

Tuesdays and Thursdays, 12—1 P. M.

COMPOSITION.—Christmas Term; imitative exercises in the construction of narrative and descriptive paragraphs. Spring Term; ten narrative and descriptive themes, based chiefly on personal experience.

LITERATURE.—Eighteenth Century. Prose. Addison: *Papers Contributed to "The Spectator."* 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 Church-yard.* Goldsmith: *Traveller, Deserted Village.* Burns: *Two 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.* Pope: *Essay on Man.* Johnson: *Lives, of Dryden, Addison, and Gray.*

Two reports on private reading, assigned by the instructor, are required from each student.

*Books recommended:* Hale: *Longer English Poems* (containing all the poetry read in class); Addison, ed. T. Arnold; (Clarendon Press Series); Johnson: *Six Chief Lives*; ed. M. Arnold.

PARALLEL READING.—As a preparation for this 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.*

## Second (B) Class.

Mondays, Wednesdays, and Fridays, 12—1 P. M.

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

LITERATURE.—Elizabethan. Shakspeare: *Henry V*, *Twelfth Night*, *Julius Cæsar*. Milton: *Comus*, *L'Allegro*, *Il Penseroso*, *Lycidas*, *Sonnets*, *Paradise Lost*, Bks. I, II. Lectures.

ENGLISH LANGUAGE.—A short course of Lectures on the History of the English Language, at the end of the Spring Term.

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

A report on private reading assigned by the instructor, is required from each student. Candidates for Distinction are required to present a second report.

Candidates for Class Distinction will be examined in the following plays, which are not read in class:—*Henry IV*, Pt. 2, *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*. Hetzner: *Travels in England*. Harrison: *Description of England*. (Scott Library, W. Scott). Macaulay: *Milton*.

#### Third (C) Class.

Tuesdays and Thursdays, 10—11 A. M.

(Not given in 1901-1902.)

LITERATURE.—Middle English and Pre-Shakesperean. Chaucer: *Prologue*, *Knights Tale*, *Nonne Prestes Tale*. Sweet's *Middle English Primer*, II. Spenser: *Færie Queene*, bks. I, II. Marlowe: *Dr. Faustus*. Lectures.

History of Literature: Pollard: *Chaucer Primer*. For reference. Lounsbury, Ten Brink. Morley: *English Writers*, V.

For Distinction. Chaucer: *Minor Poems*, *The Prioress's Tale*, *Sir Topas*, *The Monk's Tale*, *The Squire's Tale*.

#### Fourth (D.) Class.

Tuesdays and Thursdays, 4—5 P. M.

LITERATURE.—Nineteenth Century. Scott: *Old Mortality*, *Marmion*. Byron: *Poems*, selected and edited by Matthew Arnold. Wordsworth: ed. Dowden (*Athenæum Press Series*). Tennyson: *The Lady of Shalott*, *Oenone*, *Lotus Eaters*, *A Dream of Fair Women*, *Morte d' Arthur*, *Dora*, *Sir Galahad*, *The Lord of Burleigh*, *Ulysses*. Browning: *Andrea del Sarto*, *Epistle of Karshish*, *Memorabilia*. *Evelyn Hope*, *A Toccata of Galuppi's*, *The Statue and the Bust*, *In a Balcony*, *The Last Ride Together*. Ruskin: *Sesame and Lilies*. Carlyle: *Sartor Resartus*: ed. MacMechan, (*Athenæum Press Series*).

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.

This subject may be assigned at the end of the previous session, and completed during the summer vacation. It should in any case,

be selected at the beginning of the session in which the student intends to present it, and must embody the results of an original literary investigation. The following are the titles of representative theses which have been accepted: *Chatterton, A Study in Style*; *The Relation of "Tristram Shandy" to "Anatomy of Melancholy"*; *Tennyson's Treatment of Colour in "The Idylls of the King"*; "*Alastor,*" edited with *Introduction and Notes*. The Thesis must be written on special thesis paper and bound. A copy must be deposited in the University Library.

**Fifth (E.) Class. (Advanced.)**

*Mondays and Fridays, 9—10 A. M.*

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

**Sixth (F.) Class. (Advanced.)**

(Not given in 1901-1902).

ELIZABETHAN DRAMA.—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 Malfi*. Shakspeare: the tragedies, *Two Noble Kinsmen*.

This course is conducted by means of a Seminary.

*Books recommended*: History of Literature: Ten Brink, *Saintsbury*. Brooke. Texts: Clarendon Press. "Mermaid," "Temple Dramatists," Thayer: "Best Elizabethan Plays."

**VI.—BIBLICAL LITERATURE.**

Lecturers..... { PROF. D. M. GORDON, D. D.  
 { PROF. R. A. FALCONER, LL. D.

*Tuesdays and Thursdays, 3—4 P. M.*

This course extends over two sessions, and covers the whole Bible. Professor Gordon will give one lecture a week on the Old Testament, Professor Falconer one lecture a week on the New Testament. Although students are advised to take the entire course, the work of any one session will be accepted as an elective in the third or fourth year.

**OLD TESTAMENT.**

*First Part, 1901-'02.* Introduction The Record of Revelation. Outline of structure. What did Moses write? The Pentateuch, its sources and contents. The Law. The Religious Institutions of Israel. The earlier Histories. The Monarchy. The earlier Prophets, including Amos, Hosea, and Micah, Isaiah. The Captivity of the Northern Kingdom.

*Second Part, 1902-'03.* Recapitulation. The later Histories. The Prophets subsequent to 700 B. C. The Exile and Restoration. The Poetical Books and other Writings. The Messianic Element in the Old Testament. The Canon. The Religious Value and Authority of the Old Testament.

## NEW TESTAMENT.

*First Part, 1901-'02.* Literary characteristics of the Gospels. Synoptic Problem. Johannine question. Readings from the four Gospels outlining the Life of Jesus Christ. A comparison, both as to form and import, of the discourses and parables of the Synoptics with the teaching of the Gospel according to John.

*Second Part, 1902-'03.* The Literature of the Apostolic Age, exclusive of the Gospels. (Fuller announcements in next calendar).

Text-Books for N. T. : Stevens and Burton's *Harmony of the Gospels*. Mathews's *History of N. T. Times in Palestine*. Burton and Mathews's *Constructive Studies in the Life of Christ*.

For Class Distinction a knowledge of the following books will be required :—Sanday : *Bampton Lectures*. W. Robertson Smith : *Prophets of Israel*. Stanton : *Jewish and Christian Messiah*. Ramsay : *Was Christ Born at Bethlehem ?*

Recommended for reading :—Kent : *History of the Hebrew People*. W. Robertson Smith : *Old Testament in the Jewish Church*. Robertson : *Early Religion of Israel*. Moulton : *Literary Study of the Bible*. Driver : *Introduction to the Literature of the O. T.* Articles in Hastings' Dictionary of the Bible :—*Jesus Christ*, by Sanday ; *Gospels*, by Stanton ; *New Testament Canon*, by Stanton ; also the separate articles on each of the four Gospels.

## VII.—HISTORY AND POLITICAL ECONOMY.

(George Munro Professorship.)

Professor.....REV. PRESIDENT FORREST.

## Junior History Class.

*Mondays, Wednesdays and Fridays, 11 A. M.—12 M.*

Mediæval History and Modern History to 1555.

The class work will be conducted by means of lectures and examinations on prescribed reading. A detailed syllabus with references and passages prescribed for reading will be given to students on the opening of the class.

Candidates for First Class Distinction will be examined on Hallam's Middle Ages, Bryce's Holy Roman Empire, and introductory sections of Robertson's Charles V.

*Books recommended :* Gibbon : *Decline and Fall of the Roman Empire* ; Hallam : *Middle Ages* ; Bryce : *Holy Roman Empire* ; Irving : *Mahomet and His Successors* ; Guizot : *History of Civilization* ; Michaud : *History of the Crusades* ; Robertson : *Charles V* ; Stubbs : *Constitutional History of England* ; Labberton : *Historical Atlas*.

## Senior History Class.

*Tuesdays and Thursdays, 11 A. M.—12 M.*

Modern History from 1555.

The class work will be conducted by means of lectures and examinations on prescribed reading. In the lectures, books of reference will be named and select portions specified for reading.

Disputed points will be marked out for special study and students required to examine authorities and weigh conflicting opinions, and thus learn to study history critically for themselves.

Candidates for First Class Distinction will be examined on Green and Guizot, and a few chapters to be specified in other works.

*Books recommended:* Green: *England, Vol. IV.*; Guizot: *France (Masson's Abridgement)*; Menzel: *Germany*; Motley: *Dutch Republic*; Bancroft: *United States*; McMaster: *History of the People of the United States*; Parkman: *France and England in North America*; Labberton: *Historical Atlas*.

#### Advanced History Class.

*Once a week.*

English History from 1603 to 1688.

The work of this class will be conducted by means of lectures and examinations on reading prescribed from Clarendon, Gardiner, Green, Hallam, Ranke, Lingard and other authorities.

This class is intended especially for undergraduates taking the Special course in English and English History.

#### Political Economy Class.

*Tuesdays and Thursdays, 10—11 A. M.*

The work of this class will be conducted by means of lectures and examinations on prescribed reading.

The lectures will generally follow the order of arrangement of Mill's Principles of Political Economy. 1.—THE NATURE WEALTH. Analysis of fundamental conceptions of wealth, &c. 2.—PRODUCTION OF WEALTH: Labor, Capital, Population, and their relations to each other. 3.—DISTRIBUTION OF WEALTH: Wages, Profits, Rent, Socialism, Labor Unions, Land Tenure. 4.—EXCHANGE: Value Money, Banking. 5.—RELATIONS OF GOVERNMENT TO TRADE AND INDUSTRY: Tariffs, Taxation.

Particular attention will be given to the problems of the day. Protection and Free Trade, Trade Unions, Combines, Bimetallism. Each student is required to read the whole of Mill's *Principles*, together with prescribed passages from leading economists and current literature on the subjects. Weekly examinations will be held on the prescribed reading.

Candidates for First Class Distinction will be examined on additional work, which will be announced at the beginning of the Session.

*Text Book:* Mill: *Principles of Political Economy*,

#### Advanced Political Economy Class.

*Twice a week.*

The work of this class will consist of lectures, entering into the Principles of Political Economy, more fully than in the ordinary class, with examinations on reading prescribed in the works of leading writers on the subject.

### VIII.—CONSTITUTIONAL LAW AND CONSTITUTIONAL HISTORY.

The classes in Constitutional Law and Constitutional History, conducted by Professor Weldon in the Faculty of Law and the examinations conducted in these subjects by the Faculty of Law, are recognized as qualifying for a degree.

### IX.—CONTRACTS.

The class in Contracts, conducted by Professor Russell in the Faculty of Law, and the examinations conducted in this subject by the Faculty of Law, are recognized as qualifying for a degree.

### X.—PHILOSOPHY.

(George Munro Professorship.)

Professor.....WALTER C. MURRAY, M. A.

#### Junior Philosophy.

Tuesdays and Thursdays, 12—1 P. M., Fridays, 4—5 P. M.

The work of this class will consist of two courses of lectures, one on Logic, and one on Psychology, with essays, discussions, and oral examinations.

The work in the course on Logic will be selected so as to afford the best possible mental training. In the Psychological course, experiments will be introduced as much as possible to supply a basis for the theory and for the purpose of illustration. Especial attention will also be given to the connection between Psychology and Educational methods.

*Text Books:* Mill: *Logic*; Titchener: *Primer of Psychology*.

*Books recommended:* Creighton: *Introductory Logic*; Fowler's or Jevons's *Logic*; James's *Psychology*. Reading for Distinction—Berkeley: *Theory of Vision*, *Divine Visual Language*, *Principles of Human Knowledge*, (as in Fraser's Selections); Bosanquet: *Essentials of Logic*

#### Senior Philosophy.

Mondays and Wednesdays 10—11 A. M.

For 1901-2. This course of lectures, which is intended to serve as an introduction to Metaphysics, will be based on Paulsen's *Introduction to Philosophy*.

*Books recommended:* Hibben: *Problems of Philosophy*; Rogers: *Modern Philosophy*; Watson: *An Outline of Philosophy and Christianity and Idealism*, Part II; Lotze: *Outlines of Metaphysics*; Royce: *Religious Aspect of Philosophy*, Book II; Caird: *Metaphysics* (*Ency. Brit.* or *Essays on Literature and Philosophy*, Vol. II.); Ward: *Naturalism and Agnosticism*.

#### Modern Philosophy.

Mondays and Wednesdays, 10—11 A. M.

For 1902-3. After a preliminary sketch of the principal problems of Metaphysics, the development of Modern Philosophy from Locke will be studied in Locke's *Essay*, Berkeley's *Principles of Knowledge*,

and *Siris*, Hume's *Enquiry*, Reid's *Inquiry*, Kant's *Prolegomena*, and Watson's Extracts from Mill's Writings.

*Books*: Seth (A.) *Scottish Philosophy*; Locke: *Essay* (Fraser's Edition, or Ward, Locke & Co's); Berkeley: *Selections* by Fraser; Hume: *Treatise and Enquiry* (Edited by Green & Grosse, or Selby-Bigge's and Open Court's Edition of *Enquiry*); Reid: *Works* (ed. by Hamilton), and *Inquiry* (Sneath's Edition); Kant: *Prolegomena*, translated by Mahaffy & Bernard; Wemley: *Outlines of Kant's Critique*; Mill: *Selections* (Watson); Douglas: *John Stuart Mill*; Blackwood's *Philosophical Classics*; Höfding's or Fälcckenberg's or Weber's *History of Philosophy*.

#### Greek Philosophy.

##### *Mondays and Fridays, 3-4 P. M.*

For 1902-3. In this course an introductory sketch of the development of Greek Philosophy from Thales is followed by a critical study of Plato's *Apology*, *Crito*, *Phædo*, *Republic*, and *Theætetus*; and Aristotle's *Ethics*.

*Books recommended*: Ferrier: *Lectures on Early Greek Philosophy*; Church's *Translation of Apology, Crito and Phædo* (Golden Treasury Series); Davies and Vaughan's *Translation of Republic*, (G. T. S.); Dyde's *Translation of Theætetus*; Aristotle's *Ethics* (The Scott Library, or Peters's Translation); Zeller: *Greek Philosophy*; Burnet: *Early Greek Philosophy*; Bosanquet: *Companion to Plato's Republic*; Nettleship: *Philosophical Lectures and Remains*; Essay in *Hellenica*; Muirhead: *Chapters from Aristotle's Ethics*; Jowett's *Translation of Plato's Dialogues*; Pater: *Plato and Platonism*; Wallace: *Epicureanism*; Hegel: *History of Philosophy*.

#### Moral Philosophy.

##### *Mondays and Fridays, 3-4 P. M.*

For 1901-2. This course of lectures attempts a systematic presentation of the Principles of Moral Philosophy. The earlier part of the course will follow Seth's *Ethical Principles* Parts I & II, or Muirhead's *Elements of Ethics*; the later part, Green's *Prolegomena to Ethics*.

*Books recommended*: Dewey: *Outline of Ethics, Study of Ethics*; Mackenzie: *Manual of Ethics*; Green: *Lectures on Moral Obligation* (edited by Bosanquet); Mill: *Utilitarianism*; Spencer: *Data of Ethics*; Paulsen: *Ethics*; Watson: *Hedonistic Theories*.

#### Advanced Philosophy.

##### *Tuesdays and Thursdays, 3-4 P. M.*

1901-2. The subject of this course is Kant's Philosophy. The *Prolegomena*, *Critiques of Pure Reason*, of *Practical Reason*, and of *Judgment*, will be studied.

*Translations recommended*: Watson's *Selections*; Mahaffy and Bernard: *Prolegomena*; Max Müller: *Critique of Pure Reason*; Abbott: *Theory of Ethics*; Bernard: *Critique of Judgment*.

*Commentaries and Expositions recommended*: Stirling: *Text-Book to Kant*; Wallace: *Kant*; Fischer: *Kant*; Caird: *Critical Philosophy*; Watson: *Kant and his English Critics*; and Comte Mill and Spencer or *An Outline of Philosophy*. Adamson: *Philosophy of Kant*; Mahaffy and Bernard: *Kritik of Pure Reason Defended and Explained*; Green: *Philosophical Works, Vol II*.

### XI.—EDUCATION.

The class in the Science of Education conducted by Prof. Walter C. Murray in the Faculty of Science, and the examinations of the Faculty of Science, are recognized as qualifying for a degree. (See Fac. Science.)

## XII.—MATHEMATICS.

Professor..... —————

## Junior Class.

Daily, 11 A. M.—12 M.

ALGEBRA.—Involution, Evolution, Theory of Indices, Equations of the First and of the Second Degree revised. Discussion of Imaginary Quantities and of  $\sqrt{-1}$ : Theory of Quadratic Equations; Proportion, Inequalities, Indeterminate Equations, Variation, Progressions, Theory of Notation; Elements of Determinants; Selected Propositions in the Theory of Equations, with Horner's method of approximating the roots of an Equation of a Degree higher than the Second.

GEOMETRY.—First, Second, and Third Books of Euclid revised, Fourth Book, Definitions of the Fifth, and the Sixth Book, with Geometrical Exercises and practical applications.

After the beginning of January, attendance at the Class on Wednesday will be *optional*, except for those who are trying for First or Second Class Distinction. But the Professor reserves to himself the right of excluding any whom he may have judged unequal to the work of the Wednesday Class.

*Books recommended:* Todhunters', or Deighton's, or Hall & Stevens' (George Bell & Sons), Elements of Euclid. Todhunter's Algebra, or (best) Hall & Knight's Higher Algebra. (The latter book is recommended to those who wish to pursue advanced work. School Algebras are scarcely sufficient for the course.)

## Senior Class.

Daily, 10—11 A. M.

The daily meeting of this Class is subject to the following explanations:

After the Christmas Examinations, the Class will be resolved into two Divisions, a Lower and a Higher.

The Lower or Ordinary Division will meet on four or three days a week, according as the general progress of the Class may demand. The Higher Division will meet on the remainder of the five days a week. Fitness to enter the Higher Division is determined by the Professor, according to the general standing and previous record of the student.

In the Lower or Ordinary Division of the Class the subjects of study are:—

GEOMETRY.—Sixth Book of Euclid revised; Cockshott & Walter's Conic Sections; the Parabola and part of the Ellipse; Easy Geometrical Exercises with practical applications; 21 Propositions of the Eleventh Book of Euclid; Modern Geometry, supplementary to the Six Books of Euclid.

TRIGONOMETRY.—Analytical Plane, as far as, but exclusive of, DeMoivre's Theorem. The use of Logarithms, and of the chief Mathematical Tables. Solution of Plane Triangles; Mensuration of Heights and Distances; Elementary Problems in Navigation.



ALGEBRA.—Permutations and Combinations; uses of the Binomial Theorem, Properties of Logarithms; Compound Interest and Annuities; Elements of the Doctrine of Chances, should there be time for the subject.

In the Higher Division the subjects are :—

GEOMETRY.—Parabola, Ellipse, and Modern Extension of Euclid.

TRIGONOMETRY.—As in the Lower Division, with Extensions; DeMoivre's Theorem, with Higher Angular Analysis; Spherical Trigonometry, as far as the solution of Right-angled Triangles, with application to easy Astronomical problems.

ALGEBRA.—Investigations connected with the subjects studied in the Lower Division, such as Logarithmic Series, Indeterminate Co-efficients, Partial Fractions, &c., with illustrations and examples of a more difficult kind. For First or Second Class at the Examinations, acquaintance with the subjects treated in this Division is necessary.

*Books recommended* : Algebras—Todhunter's or Hall and Knight's (best); Locke's Plane Trigonometry; Cocksott & Walters' Geometrical Conics (Macmillan & Co.); Chambers' Logarithmic, etc., Tables. For Higher Division: Todhunter's Spherical Trigonometry.

#### Advanced Class.

There are two Divisions in this class :—

The First Division meets three times a week.\* Subjects: Analytical Trigonometry, commencing with the application of DeMoivre's Theorem; Analytical Geometry; Spherical Trigonometry; Theory of Equations; Differential Calculus.

*Books recommended* : Locke's Plane Trigonometry, Vol. II.; C. Smith's and Todhunter's Conic Sections; Todhunter's Theory of Equations; Williamson's Differential Calculus; Todhunter's Spherical Trigonometry. Any standard works on the subjects treated may, however, be used.

The Second Division meets twice a week.† Subjects: Analytical Geometry; Spherical Trigonometry; Theory of Equations; Differential Calculus, Integral Calculus, with Differential Equations; Application of these to Physics, Physical Astronomy, etc.

*Books recommended* : The same as for the First Division, with the addition of Williamson's Integral Calculus. Also Tait and Steele's Dynamics of a particle; Todhunter's Analytical Statics; D. A. Murray's Differential Equations, (Macmillan & Co.).

N. B.—This entire section is subject to modification on the appointment of a new professor.

### XIII.—THEORY OF MUSIC.

The Classes in the Theory of Music, conducted in the Halifax Conservatory of Music by \_\_\_\_\_ Director, and Mr. \_\_\_\_\_, and the examinations of the Conservatory in the subjects of these classes, are recognized as qualifying for the B. A.

\*The hour of meeting on Fridays may possibly be changed at the opening of the session.

†An extra hour for some part of the session may be required.

‡This work is published in two volumes. The first of these—"A Treatise on Elementary Trigonometry"—is sufficient for the ordinary class.

and B. L. degrees. In the case of each class, attendance must include at least two lessons per week from the opening to the closing of lectures in this Faculty.

The subject studied in the First Class is Harmony in not more than four parts.

The subjects of the Second Class are : Harmony in not more than five parts ; Simple Counterpoint in two or three parts ; Canon in two parts ; Imitation and Fugue in not more than three parts ; Form,—Elementary Forms, Phrases and Periods, closed and open Forms.

Information as to Fees, etc., may be obtained on application to the Secretary of the Conservatory.

#### XIV.—PHYSICS.

(George Munro Professorship.)

Professor.....J. G. MACGREGOR, D. Sc.

##### Junior Physics Class.

*Mondays, 4—5 P. M., Tuesdays and Thursdays, 11 A. M.—  
12 M.*

In this Class a rapid survey of the whole subject of Experimental Physics is taken, the subjects treated being :—Dynamics ; Properties of Solids and Fluids ; Sound ; Heat ; Electricity and Magnetism ; and Light and other forms of Radiation. The mode of treatment is inductive and quasi-historical, the generalisations and theoretical conceptions being worked up to experimentally but not systematically developed by deduction. The amount of mathematical knowledge assumed is not greater than can be acquired in the Junior Class in Mathematics.

Members of the Class who aim at passing merely, will be examined in those subjects only which are fully discussed in class. Those who aim at Distinction will be expected to give considerable attention to Dynamics, and to consult the works recommended by the Professor on all subjects that may be referred to in class. Students are expected to hand in problem papers for correction and criticism.

*Books of Reference:* For frequent reference—Cunning's Mechanics Treated Experimentally (Rivingtons) ; Jones's Heat, Light and Sound (Macmillan) ; Cunning's Electricity Treated Experimentally (Rivingtons). For occasional reference—Knott's Physics (Chambers) ; Peddie's Manual of Physics (Bailliere, Tindall & Co) ; Daniell's Principles of Physics (Macmillan & Co.) ; Barker's Physics—Advanced Course (H. Holt & Co.) ; Anthony and Brackett's Text-Book of Physics, revised by Magie (J. Wiley & Sons) ; Nichols and Franklin's Elements of Physics (The Macmillan Co.) ; Hastings and Beach's General Physics (Ginn & Co.) ; Watson's Text-Book of Physics (Longmans).

##### Senior Physics Class.

*Mondays and Wednesdays, 10—11 A. M.*

The subjects studied in this Class,—Dynamics, Heat, and Electricity and Magnetism,—have been selected both because of their educational value and because of their extensive industrial applications. The more important generalisations and theoretical conceptions, obtained inductively in the Junior Class, are made the starting point ; and the treatment is thus largely deductive, deductions being tested by experiment, and important practical applications discussed. Only elementary mathematical methods are used, such as are studied in the Junior and Senior Classes in Mathematics.

Students who aim at passing merely, will be examined in those portions only of the subjects which are discussed in class. Those who aim at Distinction are expected not only to acquire considerable power of applying principles in the solution of problems, but also to study privately portions of the subject not fully treated in class.

The course being too extensive to be completed in a single session, different portions will be taken up in alternate years, as follows:—

In 1901-2.—Heat, and Electricity and Magnetism, including a discussion of heat engines and dynamo-electric machines. A knowledge of the elements of Heat and Electricity such as may be acquired in the Junior Physics Class, is assumed.

In 1902-3.—Kinematics and Dynamics of particles and rigid bodies.

*Books of reference:* For frequent reference—MacGregor's Kinematics and Dynamics (Macmillan); Maxwell's Theory of Heat (Longmans & Co.); and S. P. Thompson's Electricity & Magnetism (Macmillan). For occasional reference—Tait's Heat (Macmillan & Co.); Wright's Heat (Longmans & Co.); J. J. Thomson's Electricity & Magnetism (Camb. Univ. Press); Foster and Atkinson's Electricity & Magnetism (Longmans); Ewing's Steam Engine and other Heat Engines (Camb. Univ. Press); and S. P. Thompson's Dynamo-electric Machinery (Spon).

#### Advanced Mathematical Physics Class.

*Mondays and Wednesdays, 11 A. M.—12 M.*

The object of this Class is to give students an introduction to the application of the Higher Mathematics to the study of physical problems. They are therefore assumed to have a sufficient knowledge of Analytical Geometry and the Differential and Integral Calculus. The subjects to be discussed in the next two years are as follows:

In 1901-2.—Kinematics and Dynamics (including Statics).

In 1902-3.—Thermodynamics and Electrodynamics (including Electrostatics).

*Books of reference:* MacGregor's Kinematics and Dynamics (Macmillan); Williamson & Tarleton's Dynamics (Longmans); Tait & Steele's Dynamics of a Particle (Macmillan & Co.); Todhunter's Analytical Statics (Macmillan & Co.); Aldis's Rigid Dynamics (Deighton, Bell & Co.); Besant's Hydromechanics (Deighton, Bell & Co.); Tait's Sketch of Thermodynamics (Douglas, Edinburgh); Baynes' Thermodynamics (Clarendon Press); Buckingham's Theory of Thermodynamics (Macmillan); J. J. Thomson's Electricity and Magnetism (Camb. Univ. Press); Emtage's Mathematical Theory of Electricity and Magnetism (Clarendon Press); Mascart and Joubert's Electricity and Magnetism, Vol. I (De La Rue & Co., London); and Gray's Treatise on Electricity and Magnetism (Macmillan).

#### Advanced Experimental Physics Class.

*At least once a week.*

The subjects studied are (*a*) physical experimental methods, and the elimination of errors, this section of the class work being conducted mainly by private reading, under the Professor's supervision, of original papers by Faraday, Joule, and Kelvin; (*b*) the treatment of observations, including graphical methods and the method of least squares, and the influence of errors of observation on results; (*c*) the relation of theory to experimental research, illustrated by sketches of one or more of the following:—the kinetic

theory of gases, the theory of solutions and of electrolysis, the wave theory of light.

*Books of reference* : Faraday's Experimental Researches in Electricity, Vol. I. (Quaritch) ; Joule's Scientific Papers, Vol. I. (Taylor & Francis) ; Lord Kelvin's Mathematical and Physical Papers, Vol. II. (Camb. Univ. Press) ; Merriman's Text-Book of Least Squares (John Wiley & Sons) ; Johnson's Theory of Errors and Method of Least Squares (J. Wiley & Sons) ; Holman's Precision of Measurements (J. Wiley & Sons) ; Meyer's Kinetic Theory of Gases, tr. Baynes (Longmans & Co.) ; Whetham's Solution and Electrolysis (Camb. Univ. Press) ; Leffeldt's Text-Book of Physical Chemistry (Arnold) ; Preston's Theory of Light.

#### Junior Practical Physics Class.

(At least five hours a week.)

The work of the class will consist of the experimental investigation of simple physical laws, constants such as density, specific heat, etc., being determined incidentally. Students are required to prepare reports on the investigations made, describing in outline the methods used and discussing in detail the results obtained and their degree of precision.

Members of the class who wish to become Science teachers will be allowed to devote part of their time to the devising and executing of illustrative experiments of a qualitative and quantitative kind with the simple apparatus and materials usually available in schools. Those who do so will be required to prepare illustrated lessons and give them before an audience.

Students will be examined in the subjects of Chaps. I-VII. of Glazebrook & Shaw's Practical Physics and in other discussions, recommended by the Professor, of any experimental methods which they may have used. Their standing in the Pass and Distinction Lists will depend upon the number and quality of the papers prepared and lessons given, and on the results of the examination.

*Books of reference* : Glazebrook & Shaw's Practical Physics (Longmans) ; Kohlrausch's Physical Measurements (Churchill) ; Holman's Computation Rules and Logarithms.

#### Senior Practical Physics Class.

(At least five hours a week.)

The work of this class will consist of the investigation of physical laws of a more complex kind than in the Junior class, and a greater degree of precision will be expected in the determinations made. Students who show sufficient ability will be allowed to conduct new investigations, provided they do not use for that purpose a large portion of the prescribed time.

Members of the class are required to prepare reports on the investigations conducted, of the same kind as in the Junior class, to attend the lectures of the Advanced Experimental Physics Class on the treatment of observations, to acquaint themselves with methods of physical measurement generally, as described, *e. g.*, in Glazebrook & Shaw's Practical Physics, and to study discussions of the methods they may use, in the works recommended by the Professor.

Class standing is determined as in the Junior class.

*Books of reference* : Those specified above, together with Stewart & Gee's Elementary Practical Physics (Macmillan) ; Ayrton's Practical Electricity (Cassell) ; Nichols' Laboratory Manual of Physics and Applied Electricity (Macmillan) ; Ostwald's Physico-chemical Measurements (Macmillan) ; Wiedemann's, *Physikalisches Practicum*; and Threlfall's Laboratory Arts (Macmillan).

**Advanced Practical Physics Class.***(At least ten hours a week.)*

The work will consist of new investigations conducted by students who have shewn sufficient ability either in the Senior class or elsewhere.

Members of the class will be required to acquaint themselves with the literature of the subject in which their investigations lie, to prepare critical reports on those portions of it with which their work is more immediately concerned, and to prepare full reports on the methods and results of their own observations.

Reports which are of sufficient value will be communicated either to the N. S. Institute of Science or to the Royal Society of Canada. If, though the subject may have been suggested by the Professor, the investigation has been concluded practically independently by the student, the report will be communicated in his name. If the student has been assisted by the Professor to such an extent that the investigation has not been conducted practically independently by himself, the report will be communicated as by the Professor and the student jointly.

Only a very limited number of students can be admitted to this class.

**XV.—CHEMISTRY.***(McLeod Professorship.)**Professor . . . . . E. MACKAY, PH. D.***Junior Chemistry Class.***Mondays, Wednesdays and Fridays, 9—10 A. M.*

The lectures in this class deal in an elementary way with the principles of general chemistry. In the earlier part of the course the characteristic properties of common acids and bases are studied, and then the chemistry of fire, of water and of air, the order of historical development being followed as nearly as possible. When some acquaintance with chemical facts has thus been gained, the fundamental laws of combination are taken up and the atomic theory and chemical formulæ are introduced. Chlorine, nitrogen, carbon and some of their typical compounds are then studied, and thereafter the principal remaining elements, each in connection with the group of elements in the periodic system to which it belongs. Examinations, oral or written, are held fortnightly, and occasional written exercises are required.

Students aiming at distinction are required to devote at least three hours per week to laboratory work. The laboratory 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; simple quantitative experiments are performed; and some time is devoted to elementary work in qualitative analysis.

*Books recommended: Remsen's Introduction to the Study of Chemistry, Macmillan & Co., for both class and laboratory work.*

**Senior Chemistry Class.**

(Tuesdays and Thursdays, 9—10 A. M.)

The lectures in this class are for the first few weeks devoted to a fuller treatment of some portions of inorganic chemistry than is given in the Junior Class. The constitution of acids, bases and salts, the determination of atomic and molecular weights, the chemistry of the metals, and the principal reactions used in qualitative analysis are the chief topics taken up. The remainder of the year is devoted to organic chemistry. Special attention is given in this part of the course to a study of the experimental evidence upon which the constitutional formulæ of organic compounds are based.

Students aiming at distinction are required to devote at least three hours weekly to laboratory work. This will include a fuller course in qualitative analysis than is given in the Junior Class, and, in addition, the preparation of pure laboratory reagents and of typical inorganic and organic substances.

*Books recommended:* For class use, Roscoe and Harden's *Inorganic Chemistry for Advanced Students* (Macmillan & Co.); Remsen's *Compounds of Carbon* (Macmillan & Co.). For reference, Remsen's *Inorganic Chemistry, Advanced Course* (H. Holt & Co.).

**Advanced Chemistry Class.**

*One hour weekly.*

The subjects of study in this class are: (a) Methods of quantitative analysis; (b) History of chemical theory; (c) Special topics in organic and inorganic chemistry in connection with the reading prescribed in the Special Course in Chemistry and Chemical Physics.

Different portions of this work are taken up in alternate years. The portion treated in 1901-1902 will be Methods of Quantitative Analysis.

**Practical Chemistry Class.**

*At least five hours weekly.*

**JUNIOR COURSE.**—This course is intended for students taking their first laboratory work. The course will include the preparation and study of several common inorganic substances and a study of the reactions of the principal elements. Qualitative analysis and blow-pipe reactions are taken up and a few simple quantitative experiments are performed. Remsen's *Introduction to the Study of Chemistry* is used as a laboratory manual.

**SENIOR COURSE.**—This course is open to students who have taken the Junior Course or its equivalent. The first part of the year is devoted to less elementary work in qualitative analysis than that in the Junior Course, and the remainder of the year to the preparation of pure laboratory reagents and of typical inorganic and organic substances.

**Advanced Practical Chemistry Class.**

The work of this class will include quantitative analysis and the preparation of inorganic and organic substances involving somewhat greater difficulty than the preparations prescribed for the Senior Class. The Analytical Courses include a course in general quantitative analysis, and courses in its special branches.

**QUANTITATIVE ANALYSIS.**—The work in this course is designed to illustrate typical methods in quantitative analysis. It will include the quantitative estimation of chlorine, iodine, sulphur, nitrogen, phosphorus, silicon, carbon, hydrogen, and of the metals silver, copper, iron, manganese, aluminium, calcium, and potassium. Volumetric methods, as well as gravimetric, are employed whenever applicable.

**TECHNICAL COURSES.**—Students having a sufficient training in general quantitative analysis may undertake work in one or more of the following special branches of analysis: (a) Assay of ores. (b) Analysis of foods or poisons. (c) Analysis of soils. (d) Analysis of potable waters. (e) Gas analysis.

*Books recommended:* Renouf's *Inorganic Preparations* (Johns Hopkins Press); Cohen's *Practical Organic Chemistry for Advanced Students* (Macmillan & Co.); Clowes and Coleman's *Quantitative Analysis*. J. & A. Churchill.

Students taking Practical Chemistry are admitted to that one of the preceding courses for which their previous work has fitted them. All members of practical classes are required to keep a detailed record of their experiments. The character of this record is a factor in determining the standing of a student in the class lists.

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

The chemical laboratory accommodates about one hundred students. A reference library is placed in the laboratory for the use of students doing analytical work.

The general laboratory is open daily, Saturdays excepted, from 10 a. m. to 1 p. m., and from 3 to 5 p. m., on Mondays and Wednesdays. The quantitative laboratory is open daily, except Saturdays, from 9 a. m. to 5 p. m.

#### XVI.—BOTANY.

The class in Botany, conducted by the Faculty of Science, and the examination conducted by the Faculty of Science in this subject, are recognized as qualifying for a degree. See Faculty of Science.

#### XVII.—ZOOLOGY.

The class in Zoology conducted by \_\_\_\_\_ of the Faculty of Science, and the examinations conducted by the Faculty of Science are recognized as qualifying for a degree. See Faculty of Science.

#### XVIII.—PHYSIOLOGY.

The University provides no instruction in this subject; but the class conducted in the Halifax Medical College by Professor L. M. Silver, M. B., and C. D. Murray, M. B., is recognized as qualifying for a degree. The class meets on Tuesdays, Thursdays and Saturdays, at 11—12 a. m. The fee for the course is \$15.00.

**§ II.—The Academic Year.**—The Academic year consists of one Session. The Session of 1901—1902 will begin on Tuesday, 10th September, 1901, and end on Tuesday, 29th April, 1902.

§ III.—Admission of Students.—(1.) Persons of either sex may become students of the College by (a) furnishing satisfactory references or certificates of good moral character (on first entering the College); (b) entering their names in the Register (annually), and (c) paying the annual Registration fee, (§ xxiii).

(2.) Registered students may, on presentation of their Registration Tickets, and on payment of the proper fees, (§ xxiii.), enter any of the ordinary classes of the College. The Advanced Classes are restricted to students who have sufficient knowledge of the subjects taught in them.

(3.) Students who are candidates for degrees are known as Undergraduates. Candidates for the higher degrees in attendance on classes are known as Graduate Students. All others are known as General Students.

§ IV.—Degrees.—(1.) Two baccalaureate degrees are conferred in the Faculty of Arts, those, viz., of Bachelor of Arts (B. A), and Bachelor of Letters (B. L.). Candidates for these degrees must attend with regularity the classes of their courses of study as prescribed in § vii, perform the exercises required and appear at the examinations held in connection with such classes, and secure a position on the Pass Lists in all subjects. The courses of study extend over at least four years, but, in the case of students who enter at advanced stages, may be completed in a shorter time.

(2.) Persons may become candidates for degrees by passing the Junior or Senior Matriculation Examination, (§§ v, vi). Those who pass the Senior Matriculation examination are exempted from attending the classes recommended in § vii to be taken in the first year of attendance, and may complete their courses in three years. In general, the Matriculation examination is to be passed by a student before he enters upon a course of study leading to a degree. For subjects of examinations, examinations recognized as equivalent, &c., see §§ v, vi.

(3.) General students who have attended some of the classes in either of the Courses of Study and passed in the subjects of them, may become candidates for a Degree by passing one of the Matriculation examinations, in which cases the classes previously attended will be recognized as qualifying for a Degree. But in those subjects of the Matriculation examination in which they have previously attended classes, such students will be expected to show a higher proficiency than if they had passed the examination at the beginning of their course.

(4.) Undergraduates 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 courses of study have not corresponded to the courses on which they enter in this University, they may be required by the Faculty to take additional classes.

§ V.—**Junior Matriculation Examination.**—(1.) The following are the subjects of this examination :

1—2. Two of the following languages must be selected : Latin, Greek, French, German. Candidates for B. A. must pass in Latin. If they are to take Greek, as one of the subjects of the First Year, they must also pass in Greek. Candidates for B. L. may select any two.

LATIN.—Translation : (a) Passages for translation from prescribed books with questions arising out of those books. (For 1901, Cæsar, *Gallie War*, Book V, and Vergil, *Aeneid*, Book I or Book II. (For 1902), Cæsar, *Gallie War*, Book I, and Vergil, *Aeneid*, Book II. (b) Short and easy passages for translation at sight from books not prescribed. *Composition* : Such a knowledge as may be gained from Collar and Daniell's First Latin Book, and the first eighteen exercises of Bradley's Arnold's Latin Prose Composition. *Grammar* : As in Bennett's Latin Grammar, or Allen and Greenough's.

NOTE.—The Roman pronunciation of Latin as given in all the modern grammars, is the one used in the class-room. It is strongly recommended that special attention be given to the reading of the Latin aloud with correct accent, with fluency, and with proper expression. This recommendation applies also in the case of Greek, the words being accented according to the written Greek accent, and the diphthongs pronounced as follows :

<i>ai</i> as in <i>aisle</i> ,	<i>av</i> as <i>ou</i> in <i>our</i> ,
<i>ei</i> as in <i>height</i> ,	<i>ev</i> as in <i>feud</i> ,
<i>oi</i> as in <i>oil</i> ,	<i>ov</i> as in <i>group</i> ,
<i>ui</i> as in <i>quit</i> ,	<i>uv</i> as <i>eh-oo</i> rapidly pronounced.

GREEK.—Translation : (a) Passages for translation from prescribed books with questions arising out of those books. (For 1901), Xenophon, *Anabasis*, Book III or Book IV. (For 1902), Xenophon, *Anabasis*, Book IV. (b) Short and easy passages for translation at sight from books not prescribed. *Composition* : Such a knowledge as may be gained from White's First Greek Book, and the first fifteen exercises of Fletcher and Nicholson's Greek Prose Composition. *Grammar* : As in Elementary Grammars.

FRENCH.—Voltaire : *Charles XII.*, Books I, II, III. Grammar questions limited to the *Accidence*, and based on the passages selected for translation.

GERMAN.—Buchheim, *German Reader*, Part I, (Clarendon Press), or Hauff, *Das Wirthshaus im Spessart* (Macmillan & Co.), omitting the five tales interwoven in the original story. Grammar questions limited to the *Accidence*, and based on the passages selected for translation.

N. B.—Instead of the work prescribed above in Latin, Greek, French and German, candidates for Matriculation (but *not* for scholarships) may offer equivalents, provided they have been previously approved by the President.

3.—ENGLISH.—*Language*: Grammar, Analysis, Parsing. *Composition*: An essay on one of several set subjects to be drawn from:—Macaulay, *Warren Hastings*; Shakspeare, *Merchant of Venice*; Longfellow, *Evangeline*; Scott, *The Lady of the Lake*.

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 drawn from the works named.

4.—ARITHMETIC AND ALGEBRA.—*Arithmetic. Algebra*: Simple rules; rules for the treatment of Indices; Surds; Extraction of Square and Cube Roots; Equations of the First Degree; Quadratic Equations of one unknown quantity.

5.—GEOMETRY.—Euclid, Books, I, II, III; or their equivalents.

6.—HISTORY AND GEOGRAPHY.—Outlines of English and Canadian History, and General Geography.

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.

Candidates reaching a certain standard will be declared to have Passed with Distinction, and will be eligible for the Sir William Young and Professors' Scholarships, and the Mackenzie Bursary. (§ xv.)

(2.) Candidates who hold the following Diplomas, Licenses or Certificates, shall be exempted from the above examination in subjects which were included in the examinations by which such Diplomas, Licenses or Certificates were obtained, and in which a sufficiently high standard was reached:—

- (1.) Teachers' Licenses of Grades A or B of Nova Scotia.
- (2.) High School Leaving Certificates of Grades XII (A.) or XI (B.) of Nova Scotia.
- (3.) Honour Diplomas, or First or Second Class Ordinary Diplomas, as issued by the Prince of Wales College, P. E. I.
- (4.) First Class or Second Class Teachers' Licenses of Prince Edward Island.
- (5.) Superior Licenses (except in the subject of Latin), or First Class or Grammar School Licenses of New Brunswick.

Candidates who hold Teachers' Licenses or Leaving Examination certificates issued by the Education Offices of other Provinces, may be exempted from the whole or from parts of the above examination on application to the faculty.

Persons who, as candidates for the above licenses or certificates, succeeded in reaching a sufficiently high standard in the majority of the subjects of the above examination, shall be exempted from examination in such subjects.

(3.) Persons may be admitted as Undergraduates of the First Year, without examination, on presentation of certificates from the Principals of High Schools or Academies, approved for this purpose by the Faculty, stating that they have satisfactorily completed the work prescribed for the Junior Matriculation Examination and passed satisfactory examinations therein.

(4.) This examination will be held at the College on September 11th—14th, 1901.

**§ VI.—Senior Matriculation Examination.—(1.)**  
The following are the subjects of this examination :

1—2. Two of the following :—Latin, Greek, French, German.

Candidates for B. A. must pass in Latin. If they intend to take Greek as one of the subjects of the Second Year they must also pass in Greek; if not, they may select Greek or French, or German. Candidates for B. L. must pass in one modern language. They may select as the second subject, Latin or Greek or the other modern language.

LATIN.—(For 1901). Cicero, *Orations against Catiline*; Vergil, *Æneid*, Book VI; Tacitus, *Annals*, Book I.

(For 1902).—Cicero, *Orations against Catiline*, *De Senectute*, *De Amicitia*; Vergil, *Æneid*, Book VI.

GREEK.—(For 1901). Xenophon, *Hellenica*, Books I and II; Sophocles, *Ajax*.

(For 1902).—Xenophon, *Hellenica*, Books I and II; Euripides *Medea*.

The papers in Latin and Greek will contain passages for translation from the books prescribed, together with grammatical and other questions arising out of those books, and short and easy passages for translation from books not prescribed. General questions in Latin and Greek Grammar will also be set, and some English sentences to be turned into Latin and Greek.

FRENCH.—Macmillan's Progressive French Reader, II Year; Molière: *Le Bourgeois Gentilhomme*; Scribe: *Valérie*; Grammar (Brachet, Public School Grammar), Composition.

GERMAN.—Hauff: *Wirthshaus im Spessart*, excluding the five tales interwoven in the story (Macmillan & Co.); Buchheim: German Reader, Part II; Schiller: *Wilhelm Tell*; Grammar, (Joynes-Meissner); Composition.

3. ENGLISH.—*Language*: Grammar, Analysis, Parsing. *Composition*: An essay on one of several set subjects; to be drawn from :—Macaulay: *Warren Hastings*; Shakspeare: *Merchant of*

*Venice*; Longfellow: *Evangeline*; Scott: *The Lady of the Lake*. (See § v, 3. Note).

*Literature*.—Eighteenth Century: Prose. Addison: *Papers contributed to the Spectator*. Johnson: *Life of Pope*. (Macaulay: *Samuel Johnson*). Dryden: *MacFlecknoe*, *St. Cecilia's Day*, *Alexander's Feast*. Pope: *Rape of the Lock*. Gray: *Elegy in a Country Churchyard*. Goldsmith: *Traveller*, *Deserted Village*. Burns: *Two Dogs*, *Cotter's Saturday Night*.

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

Instead of the works prescribed here in Latin, Greek, French, German and English, candidates for matriculation (but *not* for scholarships) may offer equivalents; provided they have been previously approved by the President.

4. MATHEMATICS.—*Arithmetic Algebra*: The simple rules. Involution, Evolution, Theory of Indices, Equations of the First and of the Second Degrees; Discussion of Imaginary Quantities and of  $\sqrt{-1}$ :—Proportion, Inequalities, Indeterminate Equations, Variation, Progressions, Theory of Notation; Elements of Determinants; Selected Propositions in the Theory of Equations, with Horner's method of approximating the Roots of an Equation of a Degree higher than the Second. *Geometry*. Euclid: Books I, II, III, IV, Definitions of the Fifth, and the Sixth Books, with Geometrical exercises.

5. CHEMISTRY.—The elements of General Chemistry. Remsen's *Introduction to the Study of Chemistry* (Macmillan & Co.) may be taken to indicate in a general way the extent of knowledge required. The examination will be designed to test the extent to which the candidate's knowledge of the subject is founded upon practical study.

N. B.—This examination is prescribed for candidates for Senior Scholarships.

(1.) Candidates who have previously passed in one or more of the above subjects, either at the Senior Matriculation Examination or at the Junior Matriculation and First Year Examinations, shall be exempt from further examination therein.

(2.) Candidates who held the following Licenses, Diplomas or Certificates shall be exempted from the above Examination in subjects which were included in the Examinations by which such Licenses, Diplomas or Certificates were obtained, and in which a sufficiently high standard was reached:

- (1) Teachers' Licenses of Grade A of Nova Scotia.
- (2) High School Certificates of Grade XII (A) of Nova Scotia.
- (3) Honour Diplomas as issued by the Prince of Wales College, P. E. I.
- (4) First Class Licenses of Prince Edward Island, (except in the subject of Greek).
- (5) Grammar School Licenses of New Brunswick.

Candidates who hold the following Licenses or Certificates shall be exempted from such parts of the Junior Matriculation Examination as are common to it and the examinations by which such Licenses and Certificates were obtained, provided that in the latter, the candidates reached a sufficiently high standard :

- (1.) Teachers' Licenses of Grade B of Nova Scotia.
- (2.) High School Certificates of Grade XI (B) of Nova Scotia.
- (3.) Second Class Licenses of Prince Edward Island.
- (4.) Superior or First Class License of New Brunswick.

Candidates who hold Teachers' Licenses or Leaving Examination Certificates, issued by the Education Offices of other Provinces, may be exempted from the whole or from parts of the above examination, on application to the Faculty.

Persons who, as candidates for the above Licenses and Certificates, attained a sufficiently high standard in the more important of the subjects of the above examination, shall be exempted from examination in such subjects.

(3.) Candidates must give at least one fortnight's notice to the President, of their intention to appear at this examination ; and in giving such notice they must state in what Latin, Greek, French, German, and English books they intend to offer themselves for examination, and in what subjects they claim exemption from examination.

(4.) This examination will be held at the College on September 11th—16th, 1901.

**§ VII.—Ordinary Courses of Study for Degrees of B. A. and B. L.**—(1.) The B. A. course consists of the following classes :—

1. Three in either Latin or Greek.
2. Two in one of the following :—The classical language not selected to be studied for three years, German, French.
3. Two in each of the following :—English, Mathematics.
4. One in each of the following :—History, Philosophy, Physics, Chemistry.
5. Seven single classes (or an equivalent), to be selected, subject to the approval of the Faculty, from the lists given below [§ vii (9), p. 44], a single class being one in which two or three lectures per week are given, a double class one in the number is four or five, and one double class being regarded as equivalent to two single classes.

(2) The B. L. course consists of the following classes:—

1. Three in either German or French.
2. Two in one of the following:—The modern language not selected to be studied for three years, Latin, Greek.
3. Three in English.
4. One in each of the following:—History, Philosophy, Mathematics, Physics, Chemistry.

5. Seven single classes (or an equivalent) to be selected, subject to the approval of the Faculty, from the lists given below [§ vii (9), p. 44], equivalents being determined as in (1), 5, above.

(3.) The classes not specified above, which are selected by students as part of their course, must be submitted to the President for approval at a date not later than Oct. 1, 1901.

(4.) Undergraduates in taking French or German for the first time, enter the classes for which the Professor considers them fitted. In other subjects, they enter the First or Junior classes.

(5.) The First class in Latin, Greek, French and German is not recognized as a part of the course for a degree unless the Second class is subsequently taken.

(6.) No class in which the subjects studied are the same from year to year, can be taken twice as part of a course.

(7.) A sufficient number of the more purely literary, philosophical, or scientific subjects of theological, legal, medical and musical courses respectively, are included among the elective subjects, to enable the student during his course to complete part of one or other of these professional courses. Students taking Constitutional History, Constitutional Law and Contracts, and passing therein, are allowed to complete their Law Course in this University subsequently, in two years [§ xl (4)]—Students who have registered as undergraduates in Medicine, may complete one *annus medicus* during their Arts Course by taking in any one year either Junior Chemistry or Senior Chemistry (Medical), and Physiology. (See Faculty of Medicine).

(8.) The classes in the above courses may be taken in any order subject to the provisions:—(1) that in any one subject, classes are to be taken in the order of their advancement; (2) that Junior Mathematics is to be taken before Junior Physics; and (3) that Junior Physics and Junior Chemistry are to be taken before Practical Physics and Practical Chemistry respectively; (3) that Junior Philosophy is to be taken before Moral Philosophy.

(9.) In the following statement, however, the classes are arranged in years, to show the order in which it will generally

be found most convenient to take them. The time-table of lectures and the dates of examinations are based upon this arrangement.

The details of the subjects studied in these classes will be found under Courses of Instruction. (§ i).

#### First Year.

1. *For B. A.*—Latin or Greek. *For B. L.*—German or French.

2. *For B. A.*—The classical language not selected as subject 1, or French, or German. *For B. L.*—The modern language not selected as subject 1, or Latin, or Greek.

3. First English.

4. Junior Mathematics.

5. Junior Chemistry.

N. B.—Undergraduates who intend in their Third Year to enter the Special Course in Mathematics and Physics, or Chemistry and Chemical Physics, (§ viii, 12 & 13), are recommended to take German as subject 2, and to give special attention to Mathematics and Chemistry.

Undergraduates who intend to enter other special courses, are recommended to take German as an additional class.

#### Second Year.

1. *For B. A.*—The language selected as subject 1 in the First Year. *For B. L.*—The language selected as subject 1 in the First Year.

2. *For B. A.*—The language selected as subject 2 in the First Year. *For B. L.*—The language selected as subject 2 in the First Year.

3. Second English.

4. *For B. A.*—Senior Mathematics. *For B. L.*—Senior Mathematics or Junior Physics.

5. Junior Philosophy or (in the case of students who intend to enter the Special Courses in Pure and Applied Mathematics or Mathematics and Physics,) Junior Physics, or (in the case of students who intend to enter the Special Course in Chemistry and Chemical Physics,) Senior Chemistry.

#### Third Year.

1. *For B. A.*—Latin or Greek or N. T. Greek. The language selected must have been taken during the First and Second Years. *For B. L.*—German or French; the language selected must have been taken in the First and Second Years.

2. *For B. A.*—Junior Physics or (if Junior Physics have been taken in the Second Year). Junior Philosophy. *For B. L.*—Junior Physics or (if Junior Physics have been taken in the Second Year) one of subjects 4—5.

3. Junior History.

4—5. Two of the following:—

Latin,	Moral Philosophy,
Greek,	Senior Philosophy,
N. T. Greek,	Modern Philosophy,
Hebrew,	Science of Education,
French,	Senior Chemistry,
German,	Practical Chemistry,
Biblical Literature,	Botany,
English,	Zoology,
Constitutional History,	Practical Physics,
Political Economy,	Theory of Music,
Greek Philosophy.	

#### Fourth Year.

Five of the following:—

Latin,	Senior Philosophy,
Greek,	Modern Philosophy,
N. T. Greek,	Greek Philosophy,
Hebrew,	Moral Philosophy,
French,	Science of Education,
German,	Senior Physics,
Biblical Literature,	Practical Physics,
English,	Senior Chemistry,
History,	Practical Chemistry,
Political Economy,	Botany,
Constitutional History,	Physiology,
Constitutional Law,	Zoology,
Contracts,	Theory of Music.

N. B.—Any Advanced Class may, in this year, be taken as an ordinary class, if approved by the Faculty.

§ VIII.—**Special Courses for Degrees.**—(1.) An undergraduate shall be allowed, after completing the work recommended in § vii for the first two years of his course, to restrict his attention to a more limited range of subjects than that of the ordinary course, by entering upon one of the Special Courses, provided he has either attained both a First Class standing at the previous Examination in the subject corresponding to that of the Special Course selected, and a satisfactory standing in the other subjects, or received the special permission of the Faculty.



(2.) Special Courses are provided in the following departments, viz., (A) Classics, (B) Latin and English, (C) Greek and English, (D) English and German, (E) English and English History, (F) Philosophy, (G) Pure and Applied Mathematics, (H) Mathematics and Physics, (I) Chemistry and Chemical Physics.

(3.) An undergraduate taking a special course in any of the above departments shall be required to attend the Advanced Classes provided in the subjects of such departments (§ 1), to make progress satisfactory to the Professors who conduct such classes, and to pass the examinations in the subjects of such department. He shall be allowed to omit, from the subjects of the ordinary course, certain specified subjects below, and may select as his ordinary classes in any year, any of the classes of that year, subject to the following regulations and to the approval of the Faculty.

(4.) The examinations in the subjects of Special Courses shall be held at the end of the Fourth Year.

(5.) Undergraduates taking the Special Course in **Classics** (A) may, in each of the Third and Fourth Years, omit any two of the subjects of those years, except Latin and Greek.

They 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 : *Miles Gloriosus*.

Terence : *Adelphi*.

Vergil : *Georgics*, Books I, IV.

Horace : *Epistles*, Books I, II ; *Ars Poetica*.

Juvenal : *Satires*, Books VII, VIII, XIV.

Cicero : *De Oratore*, Books I, II, III.

Livy : Books XXI, XXII.

Tacitus : *Agricola* : *Annals*, Book II.

II. Candidates will be required to show a general knowledge of one prose and one verse subject, to be chosen by them from the following list :—

Plautus : *Menechmi*, and *Aulularia*.

Terence : *Andria*, and *Heautontimorumenos*.

Cicero : Select Letters, (Muirhead's edit., Longmans, London).

Tacitus : *History*, Books III, IV, V.

#### III. COMPOSITION.—Prose.

IV. LITERATURE.—Cruttwell's History of Roman Literature, selected chapters.

V. PHILOLOGY.—Victor Henry's Comparative Grammar of Greek and Latin.

## GREEK.

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

Aeschylus : *Eumenides*.  
 Sophocles : *Oedipus Rex*.  
 Aristophanes : *The Knights*.  
 Homer : *Odyssey*, Books V, VI, VII, VIII.  
 Thucydides : Book II.  
 Plato : *Phædo*.  
 Demosthenes : *De Corona*.  
 Aristotle : *Poetics*.

II. Candidates will be required to show a general knowledge of one prose and one verse subject, to be chosen by them from the following list :—

Aeschylus : *Agamemnon*, and *Choephoroi*.  
 Sophocles : *Oedipus Coloneus*, and *Antigone*.  
 Thucydides : First and Seventh Books.  
 { Aeschines : *Contra Ctesiphontem*, and  
 { Demosthenes : *De Falsa Legatione*.

III. COMPOSITION.—Prose.

IV. PHILOLOGY.—Victor Henry's Comparative Grammar of Greek and Latin.

V. LITERATURE.—Mahaffy's History of Greek Literature, the portions bearing on the authors' and subjects read by the candidate during his college course. Haigh's Theatre of the Greeks.

(6.) Undergraduates taking the Special course in **Latin and English** (B) may, in each of the Third and Fourth Years of their course, omit any two of the subjects of those years except Latin and English. They shall be examined in the following subjects, viz.:—

## LATIN.

The Latin subjects prescribed for the Special 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 O. E.

History of the Elizabethan and Early Stuart Literatgre. Lectures. 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 Malfi*. Shakspere, *Titus Adronicus*, *Romeo and Juliet*, *Julius Cæsar*, *Hamlet*, *Othello*, *Lea*, *Macbeth*,

*Antony and Cleopatra, Coriolanus, Timon, The Two Noble Kinsmen.*  
Part of this course is conducted by means of a Seminary.

*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," and Arber editions of Elizabethan works.

(7.) Undergraduates taking the Special Course in **Greek and English** (C) may, in each of the Third and Fourth Years of their course, omit any two of the subjects of those years, except Greek and English. They shall be examined in the following subjects, viz.:—

GREEK.

The Greek subjects prescribed for the Special Course in Classics.

ENGLISH.

The English subjects prescribed for the Special Course in Latin and English.

(8.) Undergraduates taking Special Course in **English and German** (D) must have taken German in the First and Second Years of their course, and may in each of the Third and Fourth Years omit any two subjects of those years except English and German. They shall be examined in the following subjects:—

ENGLISH.

The English subjects prescribed for the Special Course in Latin and English.

GERMAN.

Middle High German: Grammar (Wright's Middle High German Primer); Selections from Hartmann von Aue, Walther von der Vogelweide, Nibelungenlied, Gudrun, Wolfram von Eschenbach, Freidank or Gottfried von Strassburg, Sebastian Brant, (Wackernagel's Kleineres Altdeutsches Lesebuch

Selections from Swiss and Plattdeutsch dialect literature.

German Literature of the 16th, 17th and 18th centuries, with selections from authors of that period.

Two of the chief literary works of Goethe not read in the ordinary course.

Translations of unspecified passages from any Modern High German Author.

Prose Composition

(9.) Undergraduates taking the Special Course in **English and English History** (E) may, in each of the Third and Fourth Years of their course omit any two of the subjects of those years, except English and History. They shall be examined in the following subjects, viz.:—

ENGLISH.

The English subjects prescribed for the Special Course in Latin and English.

## ENGLISH HISTORY.

English History from A. D. 1603-1689.

*Books recommended* : Green's History of the English People, Vol. 3; Lingard's History of England, Vols. 8-10; Hallam's Constitutional History of England, Chap. VI -XIV.; Ranke's History of England; S. R. Gardiner's works on this period; Clarendon's History of the Great Rebellion; Masson's Life of Milton; Carlyle's Life of Cromwell; Forster's Life of Eliot; Bayne's Chief Actors in the Puritan Revolution.

(10.) Undergraduates taking the Special Course in **Philosophy** (F) may, in each of the Third and Fourth Years of their course omit any one of the subjects of those years, except Senior Philosophy, Modern Philosophy, Moral Philosophy, and Greek Philosophy. They are recommended to take German. They shall be examined in the following subjects :—

- I. General History of Philosophy.  
 Ferrier : Greek Philosophy.  
 K. Fischer : Descartes and his School, pp. 1-158, 309-375, 465-581.  
 Seth (A) : Scottish Philosophy.  
 Royce : Spirit of Modern Philosophy.
- II. Greek Philosophy from the Sophists to Aristotle, and Modern Philosophy from Locke to Kant.  
 Plato : Republic and Theaetetus (with Dyde's Introduction).  
 Aristotle : Metaphysics, Book I., and Ethics (with Muirhead's Introduction).  
 Locke : Essay on Human Understanding (with Fraser's Prolegomena).  
 Berkeley : Principles of Human Knowledge, Dialogues, and Siris (as in Fraser's Selections, 5th edit.).  
 Hume : Treatise of Human Nature, Book I.  
 Reid : Inquiry into Human Mind; Intellectual Powers, Essay VI.  
 Kant : The Critiques of Pure Reason, of Practical Reason, and of Judgment (as in Watson's Selections).  
 Hegel : Logic, Chaps. I.-VI. (Wallace's Translation).
- III. Any *three* of the following :
  1. Principles of Logic. Bosanquet : Logic.
  2. Principles of Psychology. James : Principles of Psychology.
  3. Principles of Ethics. Green : Prolegomena to Ethics; Paulsen : A System of Ethics.
  4. Principles of Metaphysics. Lotze : Metaphysics.
  5. Philosophy of Religion. Caird : Introduction to the Philosophy of Religion; Ward; Naturalism and Agnosticism.
- IV. Any *one* of the following :
  1. History of Philosophy from Descartes to Leibniz. Descartes : Method, Meditation and Principles; Spinoza : Ethics; Caird : Cartesianism; Pollock : Spinoza; Leibniz : Monadology (with Latta's Introduction)

2. History of Philosophy from Kant to Hegel. Hegel : Logic (Wallace's Translation), and Philosophy of Right (Dyde's Translation); Everett : Fichte's Science of Knowledge. Seth : Hegelianism and Personality, and From Kant to Hegel. McTaggart : Studies in Hegelian Dialectic.
3. History of Philosophy from Hume to Spencer. Comte : Positive Philosophy. Mill : as in Watson's Selections. Spencer : First Principles. Mill : Comte and Positivism; Douglas : John Stuart Mill. Watson : An Outline of Philosophy.

(11.) Undergraduates taking this Special Course in **Pure and Applied Mathematics** (G) are recommended to take German in their First and Second Years and Junior Physics in their Second Year; and in the event of their not having done so, they should work up the German in their vacations, and should read the appropriate sections of the elements of Physics (if possible, performing experiments) before entering the Senior Physics Class. They may omit in the Third Year any two, and in the Fourth Year any three of the subjects of those years except Physics, and must take the Senior Physics Class in both the Third and Fourth Years. The standard of attainment shown in the examinations in this Class in both Years will be considered in estimating the results in the final examination of the Special Course.

The subjects of examination will be as follows :—

#### PURE MATHEMATICS.

TRIGONOMETRY.—Angular Analysis : Solution of Spherical Triangles; Napier's Analogies; with application to Astronomical Problems.

ANALYTICAL GEOMETRY.—The Conic Sections, and the equation of the Second Degree between two variables; as far as set forth in any standard treatise on the subject.

CALCULUS.—Differential and Integral, as set forth in any standard treatises on these subjects (Williamson's Treatises recommended). Differential Equations, with practical application to Physical problems. Dr. D. A. Murray's Introductory Course of Differential Equations recommended. (Longmans, Green & Co., New York.)

#### APPLIED MATHEMATICS.

Either the Kinematics and Dynamics of particles, rigid bodies, flexible strings, elastic solids and fluids, or Thermodynamics and the Theory of Electricity and Magnetism,—those portions of these subjects which are treated in the class of Advanced Mathematical Physics or may be appointed for private reading in the course of the work of that class, the mode of treatment being by application of Analytical Geometry and the Differential and Integral Calculus.

(12.) Undergraduates taking the Special Course in **Mathematics and Physics** (H) should have studied German in their

First and Second Years, and Junior Physics in their Second Year. In the event of their not having done so, they should work up the German in their vacations and should read the proper sections of the elements of Physics (if possible performing experiments), before entering the Senior Physics Class. They are required, if they wish to complete the course in two years, to take in their Third Year Advanced Mathematics, Senior Physics, Practical Physics, Senior Chemistry, and Practical Chemistry, and in their Fourth Year, the Advanced Classes in Mathematics, Mathematical Physics and Experimental Physics, and Senior and Practical Physics. But they are advised to take three years rather than two to complete the course. The standard of attainment shewn in the examinations in Senior Physics in both Years will be considered in estimating the results of the final examination of the Special Course.

They will be required in the course of their Laboratory work in Physics and Chemistry to prove their ability to make accurate determinations of physical constants, to conduct investigations of physical laws, and to carry out qualitative analyses and both gravimetric and volumetric quantitative analyses of inorganic bodies.

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 will be as follows:—

1. MATHEMATICS.—The subjects of the Special Course in Pure and Applied Mathematics, § viii (11), the standard of attainment required not being so high as in the Special Course in Pure and Applied Mathematics.

2. APPLIED MATHEMATICS.—The subjects of the Special Course in Pure and Applied Mathematics.

3. GENERAL PHYSICS.—A systematic general knowledge of all sections of the subject, as *e. g.* in Watson's Text-book of Physics, (Longmans & Co.) with a more detailed knowledge of special sections illustrating the use of theory in research, such as the kinetic theory of gases, the theory of solutions and of electrolysis, and the wave theory of light.

4. EXPERIMENTAL METHODS.—A general acquaintance with the methods applicable in different classes of investigation, as in Glazebrook and Shaw's Practical Physics (Longmans, Green & Co.), and Ostwald's Physico-Chemical Measurements (Macmillan & Co.)—The experimental methods of the following memoirs:—Joule's papers on the determination of the Mechanical Equivalent of Heat, contained in his Scientific Papers (Taylor & Francis), vol. I, pp. 123, 172, 298, 542, 632; Faraday's Experimental Researches in Electricity (Quaritch), vol. I, Series iii., iv., v., vi., viii.; Lord Kelvin's papers on the Electrodynamic Qualities of Metals, in his Mathematical and Physical Papers, Vol. 11, (Camp. Univ. Press).—The treatment of

observations and the discussion of the accuracy of experimental results, as in Holman's Precision of Measurements (John Wiley & Sons), supplemented by the more purely physical chapters of Merriman's Text-book of Least Squares (J. Wiley & Sons).

(13.) Undergraduates taking the Special Course in **Chemistry and Chemical Physics** (1) are recommended strongly to select German as one of the subjects of their First and Second Years, to take Senior Chemistry in their Second Year, and to read the appropriate sections of the elements of Physics (if possible performing experiments) before entering the Senior Physics Class in their Third Year. They are required in their Third Year to take the following classes:—Advanced Practical Chemistry, Advanced Mathematics (partial course), Junior Physics (with work in the Laboratory), Senior Physics, and German, and in their Fourth Year, the following classes:—Advanced Practical Chemistry, Advanced Mathematics (partial course), Advanced Experimental Physics, Senior Physics, Practical Physics, and German (if not taken in First and Second Years).

Candidates will be examined at the end of the Fourth Year in the following subjects:—

#### CHEMISTRY.

(1.) The principles and theories of modern chemistry. The following books are mentioned to indicate the extent of knowledge required:—Remsen's *Inorganic Chemistry, Advanced Course* (H. Holt & Co.); Berntsen's *Organic Chemistry*, translated by McGowan (Blackie & Son, Van Nostrand); Meyer's *Outlines of Theoretical Chemistry*, translated by Bedson and Williams (Longmans).

(2.) Outlines of the history of chemistry. In this connection candidates will be required to have an acquaintance with the following:—Schorlemmer's *Rise and Development of Organic Chemistry*, (MacMillan & Co.); Roscoe's *Dalton and the Rise of Modern Chemistry*, (MacMillan & Co.); Shenstone's *Justus von Liebig*, (Macmillan & Co.); and the essays on Boyle, Priestley, Scheele, Cavendish, Lavoisier, Graham and Wöhler, in Thorpe's *Essays in Historical Chemistry*, (Macmillan & Co.)

(3.) The following memoirs:—*On the Arsenates, Phosphates and Modifications of Phosphoric Acid*, Graham, Philosophical Transactions, 1833; *Ueber das Radikal der Benzoesäure*, Liebig and Wöhler (Ostwalds Klassiker, No. 22); *Ueber die Constitution der organischen Säuren*, Liebig (Ostwalds Klassiker, No. 26.)

(4.) The principles and methods of qualitative analysis and of quantitative analysis, both gravimetric and volumetric, and the practical details of laboratory operations.

Candidates must have prepared in pure condition not fewer than twenty inorganic compounds, and not fewer than thirty organic compounds. They must be able to carry out accurate quantitative determinations of the following elements: chlorine, bromine, iodine, sulphur, nitrogen, phosphorus, silicon, carbon, hydrogen, and of the most important metals.

(5.) 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 and the theory of solutions, the theory of heat, electrolysis, and the wave theory of light,—Physical experimental methods which are applicable in chemical research, as in Ostwald's *Physico-Chemical Measurements*, (Macmillan & Co.)—The discussion of the degree of accuracy of experimental results, as in *Holman's Precision of Measurements*, (J. Wiley & Sons).

(6.) Candidates for High Honours (see § xii) will be expected to prepare a thesis embodying the results of a short original investigation.

Candidates who do not undertake an original investigation will be expected to show special familiarity with some branch of laboratory work, such as the preparation of some of the complex organic compounds; the assaying of ores; the analysis of foods or poisons; the analysis of soils; water analysis or gas analysis.

**§ IX. Attendance.**—Undergraduates and other students who wish their attendance on classes to be recognized as qualifying for a Degree or a Class Certificate, are required to attend the lectures or other meetings of the classes with regularity and punctuality. Professors and Lecturers are instructed to record the presence or absence of students immediately before commencing the work of the class, and to amend the record in the case of those who may enter thereafter, only provided satisfactory reasons are assigned. Irregularity may involve exclusion from the examinations held at the end of the session, and non-recognition of the attendance.

### **§ X. Class Exercises and Examinations.**—

(1.) Undergraduates and other students who wish their class work to be recognized as qualifying for a degree or a class certificate, are required to appear at all examinations, and to prepare such exercises, essays, reports, etc., as may be prescribed by the Professors or Lecturers

In all classes two examinations are held, one immediately before the Christmas vacation, and the other after the closing of lectures in the Spring. In some classes, other examinations may be held at dates appointed by the Professors. At the Spring Examinations questions may be set on any subject treated during the session.

The dates of examinations are arranged so as to enable undergraduates who follow the order of classes recommended in § VII, to appear at all the examinations of the classes they may be attending. Undergraduates who attend the classes in any other order, and general students who wish to appear at examinations, should select classes with non-coincident examination dates. (See Almanac, pp. 3-5).



In order that the work done in a class by a student may be recognized as qualifying for a degree or a class certificate, he must secure a position on the Pass List. In the determination of such list, both the standing obtained in the various examinations and the degree of excellence shown in the essays, reports, and other class exercises referred to above are taken into consideration. The names appearing on the Pass List are arranged in order of merit.

(2.) A student who fails to obtain a position on the Pass List in one or more subjects at the end of any Session shall be allowed a Supplementary Examination in such subjects, at the beginning of the next Session of his attendance, on the day appointed for that purpose in the University Almanac, (Sept. 16th, 1901). He may also present himself at the ordinary Christmas and Spring Examinations of such next Session. The fee for a Supplementary Examination, or for appearing as above provided, at the Christmas and Spring Examinations, shall be Two Dollars in each subject, but in the case of students failing in more than two subjects, the maximum fee shall be Five Dollars.

(3.) A student who has failed either to appear or to pass at the Supplementary or other Examination provided for by (2) may, on application to the Faculty, be granted a Special Supplementary Examination at the beginning of any subsequent Session. But, if in the meantime, the student has attended a more advanced class in the same subject, he will be expected to show greater proficiency than if he had passed the examination at the proper date. The fee for a Special Supplementary Examination shall be Five Dollars per subject, but if the examination includes more than two subjects, the maximum fee shall be Ten Dollars.

(4.) A student who fails either to appear or to pass at a Supplementary Examination shall not be allowed a Special Supplementary Examination in the same Session, except by special permission of the Faculty; and in cases in which such Examination is granted, the fee provided for by (3) must be paid.

(5.) Students wishing to appear as candidates at any Supplementary or Special Examination, shall be required to give notice of their intention to the Secretary of the Faculty, at least one week before the date of such examination. The fee to be remitted with such notice.

(6.) In addition to the ordinary work of of the classes required for the attainment of a position in the Pass List, additional work, consisting of private reading, essays, reports, etc., is prescribed for students who aim at Class Distinction (see § 1), special examinations being held in such additional work at

the end of the Session. The award of such distinctions is based upon the whole work of the class, the ordinary work as well as the additional, and may be made to any student attending the class, whether undergraduate or general student, provided his attendance has been sufficiently regular.

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 made a High First Class. In the Distinction Lists, the names of successful candidates are arranged in alphabetical order in each grade.

No Supplementary Distinction Examinations are granted to unsuccessful candidates.

**§ XI. Degrees with Honours.**—Degrees with Honours in any one of the departments of study in which Special Courses are provided, will be conferred on undergraduates for special excellence shewn at the Examinations in the subjects of such courses.

Successful candidates will be declared to have obtained their degrees With Honours, or With High Honours.

A candidate for Honours may defer his examination in the subjects of his Special 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 examinations of such Special Course.

**§ XII. Degrees with Distinction.**—Degrees with Distinction will be conferred on undergraduates for special excellence shewn, at Examinations and otherwise, in the work of the ordinary classes recommended to be taken in the Second, Third and Fourth Years of the Course. Such degrees imply greater specialization of subject than the ordinary degree and less than the degree with Honours ; but they are intended to involve as much work as the latter.

The award of such degrees is based upon the Class Distinctions (§ x (6). p. 55) gained by candidates ; but regard is had, not only to the number and grade of the Distinctions gained, but also to the private work required for them, and the relation to one another of the subjects in which they have been gained.

Candidates for such degrees should so select the elective classes of the above years (§ vii) that the classes thus selected together with required classes of these years, shall form groups of three or four classes in such of the following departments as they may prefer, viz. : (a) Latin ; (b) Greek ; (c) German

(*d*) French ; (*e*) English ; (*f*) History and Political Economy ; (*g*) Philosophy ; (*h*) Mathematics and Physics, and (*i*) Chemistry. They should aim at the attainment of a good standing in all the classes thus taken, and at a high standing in all the classes of as many of the groups selected as possible.

Distinctions gained in recognized classes of other Faculties of the University are taken into consideration ; but not those gained in classes which are not taken as parts of the Course or in recognized classes of other Colleges.

Candidates for such degrees are advised to consult the Faculty at the beginning of the third and fourth years with respect to the selection of classes.

**§ XIII. Short Courses of Study for General Students.**—(1.) For the benefit of students who may not be able to spend four full years at the University, but may be able either to spend two full years or to give partial attendance for a longer period, short courses of study have been arranged, as specified below.

Students entering upon these courses are not required to pass any preliminary examination ; but they are recommended not to enter classes in which some knowledge of the subjects studied is assumed, without first consulting the Professor as to their ability to enter with profit upon the work of the classes.

To students who attend the classes in these courses with regularity, show diligence in the class work, and are successful in passing the examinations, certificates will be issued stating the nature of the course pursued and the degree of success attained.

The details of the subjects studied in the classes mentioned below, will be found under Courses of Instruction (§§) i., xxiv., xlv.)

(2.) **Short Course of Liberal Studies.**—The aim of this course is to give the student the same kind of training as that provided by the B. A. and B. L. courses. It consists of ten classes. Of these, two must be in English, and the remainder may be selected by the student, subject to the provisions of the Time Table, from the other subjects mentioned in this paragraph, with the following restrictions:—(*a*) One of the four subjects—Latin, Greek, French, German—must be taken during two years, and if another of these subjects be selected, it also must be taken during two years. (*b*) At least two of the four subjects—Mathematics, Physics, Chemistry, Botany,—and at least two of the three subjects—History, Political Economy, and Philosophy,—must be taken for one year each ; and any two of them, if subjects in which two

classes are provided, may be taken during two years. The class in any subject in which a student shall enter will be that for which he is fitted by his previous study.

(3.) **Short Course in Subjects bearing on Journalism.**—The aim of this course is to enable a student to study as thoroughly as the time at his disposal will permit, subjects which have a direct bearing on newspaper work in Canada. It consists of the following classes:—English, (First, Second and Fourth Classes), French (during two years). Junior Philosophy, Moral Philosophy, History, (Junior and Senior Classes), Political Economy, Constitutional History and Constitutional Law. Persons who have already acquired the requisite proficiency in some of the above subjects, may take other subjects in place of these, or complete the course by attending the classes, and passing the examinations, in the remainder.

(4.) **Short Course in Subjects bearing on Commerce.**—This course is intended for young men who wish before entering business offices to spend two years in studies bearing on their future work. It consists of ten classes, of which two must be in English, other two in one of the commercial languages—French, German,—the remaining six being selected from the following:—French, German, Mathematics, Physics, Chemistry, Political Economy, Contracts, Sales of Personal Property, Negotiable Instruments, Partnership and Companies, and Shipping and Marine Insurance.

Students who take this course may supplement it by obtaining, during the summer vacations, the practical training in business methods provided by a Business College.

§ XIV.—**Classes not Qualifying for a Degree.**—From time to time classes are organized for the benefit of persons not wishing to proceed to a degree. Announcements of such classes are made at the beginning of the term.

§ XV.—**Medals, Prizes, Scholarships, and Bursaries.**

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

GRADUATE PRIZES.

THE SIR WILLIAM YOUNG GOLD MEDAL, founded by bequest of the late Hon. Sir William Young, will be awarded on graduation to the student who stands first among those taking High Honours in Pure and Applied Mathematics, provided he attain a standard considerably above that required for High Honours.

UNIVERSITY MEDALS will be awarded on graduation to students who take High Honours in other departments than

Mathematics, on the same conditions as the Sir William Young Gold Medal.

THE AVERY PRIZE.—This prize, the interest of \$500, 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. See § xi.

The Scholarship offered by Her Majesty's Commissioners for the Exhibition of 1851, which is of the annual value of £150 sterling and tenable for two years (see Faculty of Science, § xxxviii), is open to students of the University.

#### UNDERGRADUATE PRIZES.

NORTH BRITISH SOCIETY BURSARY.—A Bursary of the annual value of \$60, founded by the North British Society of Halifax, is offered for competition at the Examinations of the Second Year's Course in Arts. It is tenable for two years, namely, during the Third and Fourth Years of the Undergraduate Course in Arts. Candidates must be undergraduates who have completed two years of the Curriculum, and must be eligible at the proper age for membership in the North British Society. The next competition will take place in April, 1902.

THE WAVERLEY PRIZE.—This prize, the interest of an endowment of \$1000. will be awarded annually to the student of the Second Year Mathematical Class, who stands highest at the Examinations of the Mathematics of the Year, the winner of the North British Society Bursary being excluded.

CHEMISTRY PRIZE.—N. E. MacKay, Esq., M. D., of Halifax, offers an annual prize of Forty Dollars in Chemistry. The prize is open for competition to the students of the university in the Senior Chemistry Class.

#### ENTRANCE SCHOLARSHIPS AND BURSARY.

(1.) JUNIOR.—The following Scholarships and Bursary are offered for competition at the Junior Matriculation Examination in the Faculties of Arts and Science, to students entering the First Year of the Faculties of Arts and Science :

(a) *Two Sir William Young Scholarships* ; one, of the value of One Hundred Dollars, and one, of the value of Seventy-Five Dollars, tenable for one year and payable in two instalments.

(b) *One Professors' Scholarship*, entitling to exemption from fees throughout the entire course, in classes conducted by Professors (not Lecturers) in the Faculties of Arts and Science ; provided the scholar make progress satisfactory to the Faculty.

They will be awarded to the three candidates ranking highest at this examination, provided their standing be considered satisfactory by the Faculty. The successful candidates will be allowed to select, in the order of their standing, the scholarships which they shall hold. The Mackenzie bursar is not eligible.

(e) One *Mackenzie Bursary*, of the value of Two Hundred Dollars, will be offered annually in accordance with the following condition of bequest: Competitors of the name Mackenzie, Maclean or Fraser, who obtain Distinction, 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.

(2.) SENIOR—The following scholarship is offered for competition at the Senior Matriculation Examination in the Faculties of Arts and Science, to students entering the Second Year who have not previously attended the classes of the First Year. See § vi.

(a) One *Professors' Scholarship*, entitling to exemption from fees throughout the entire course, in classes conducted by Professors in the Faculties of Arts and Science, provided the scholar make progress satisfactory to the Faculty,

It will be awarded to the candidate ranking highest at this Examination, provided his standing is considered satisfactory by the Faculty.

§ XVI.—**Residence.**—All students are required to report their places of residence to the President on or before the day appointed in the University Almanac, (October 14th.)

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 by the President, containing the names of those persons who have met this requirement; and for the convenience of students, a list of the names and addresses of such persons will be posted

on the notice-board in the College hall at the beginning of the Session.

Women students in any Faculty are admitted, on certain conditions, as boarders, to the Halifax Ladies' College.

§ XVII.—**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 14th), the churches 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.

§ XVIII.—**Discipline.**—The Senate may use all means deemed necessary for maintaining discipline.

§ XIX.—**Degrees of Master of Arts and of Letters.**  
—The degree of Master of Arts or of Letters will be conferred on a Bachelor of Arts or of Letters, respectively, of this University, of at least one year's standing and of good character, either on his submitting to the Faculty a satisfactory thesis embodying the results of original research on some literary, philosophical or scientific subject, or on his passing an examination in a course of study, appointed or approved by the Faculty, of at least the extent represented by the academic work of one year of the Arts or Letters Course. In the latter case no fixed courses of study are laid down, the intention being to encourage graduates to prosecute advanced courses of study either at this or at any other University or by private reading, and to adopt the courses to their individual tastes and capacities. But no course of study will be approved unless it is confined either to one department of study or to closely related departments.

Theses must be sent to the Secretary to the Faculty on or before the first of March. Examinations will 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 of their intention to appear for examination. Fee to be remitted with notice.

§ XX.—**Degree of Doctor of Laws.**—The degree of Doctor of Laws may be conferred *honoris causâ*, for eminent literary, scientific or professional services.

§ XXI.—**Admission ad Eundem Gradum.**—Graduates of Universities approved by the Senate, who have received their degree in course, shall be admitted *ad eundem gradum* in

this University, on producing satisfactory proof of character and academic standing. For fee see § xxiii.

§ **XXII.—Academic Costume.**—(1.) Undergraduates and general students attending more than one class are entitled to wear caps and gowns, and to wear the 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.

(2.) Bachelors and Masters of Arts, and Bachelors and Masters of Letters, of this 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 hood 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. L.—Black stuff, with a lining of white silk, bordered with light blue silk.

M. L.—Black stuff, with lining of light blue silk.

(3.) Successful candidates for these degrees shall be required to appear at Convocation in the proper academic costume, to have the degrees conferred upon them. Degrees will be conferred in the absence of the candidate only by special permission of the Senate.

DOCTOR OF LAWS.—Doctors of Laws shall be entitled to wear gowns of black silk and hoods of black silk lined with purple silk.

§ **XXIII.—Fees.**—(1.) Fees are payable by students for Registration, (entitling to the use of the Library and the Gymnasium), for classes attended, and for certain examinations. They are payable in advance.

No student is entitled to enter a class until he has paid the proper fees.

The following is a statement of the fees payable by students whether undergraduates or general students:

For Registration, payable annually by all students taking more than one class . . . . .	\$ 5 00
For Registration, (as above), payable by students taking only one class . . . . .	3 00
For each class attended, (not being Practical Classes), per Session . . . . .	6 00



For Junior or Senior Chemistry, if laboratory work is taken..	\$10 00
For Practical Chemistry Class,* five hours a week, per Session	8 00
For Practical Chemistry Class,* ten or more hours a week...	14 00
For Practical Physics Class, five hours per week, per Session.	6 00
For Practical Physics Class, ten or more hours a week .....	12 00
For a Supplementary Examination, payable on giving the notice required by § x. (2), either \$2.00 in each subject, or.....	5 00
For a Special Examination, payable on giving the notice required by § x. (3), either \$5.00 in each subject, or (x. 3).	10 00
For a Special Certificate of Standing, under seal .....	5 00
For M. A. or M. L. Examination, or report on M. A. or M. L. Thesis, payable in advance.....	5 00
For use of Gymnasium by all male students taking more than one class .....	1 50

The Diploma fees are as follows :

For the B. A. or B. L. Diploma.....	5 00
For M. A. or M. L. Diploma .....	5 00
For B. A. or M. A. ( <i>ad eundem gradum</i> ) .....	10 00

Graduates of this University attending classes are required to pay only the Registration Fee.

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\*All students taking classes in the chemical laboratory are required to make a deposit of Two Dollars on entering the class. This amount, or if charges for breakage have been incurred, what remains of it after such charges have been deducted, is returned to the student at the end of his laboratory course.

# Faculty of Pure and Applied Science.

THE PRESIDENT, (*ex officio*).

J. G. MACGREGOR, D. Sc., F. R. S.	J. LIECHTI, A. M.
M. MURPHY, D. Sc., C. E.	A. MACMECHAN, Ph. D.
F. W. W. DOANE, C. E.	E. GILPIN, JR., LL. D.
R. MCCOLL, M. Can. Soc. C. E.	C. E. W. DODWELL, B. A., M. I. C. E.
A. MCKAY, Esq.	W. C. MURRAY, M. A.
L. M. SILVER, M. B.	A. W. H. LINDSAY, B. A., M. D.
C. ARCHIBALD, M. E.	S. A. MORTON, M. A.
H. W. JOHNSTON, M. Can. Soc. C. E.	W. T. KENNEDY, Esq.
G. J. MILLER, Esq.	E. MACKAY Ph. D.
C. H. PORTER, Esq.	A. HALLIDAY, M. D.
F. H. MASON, F. C. S.	REV. R. LAING, M. A.
H. S. POOLE, M. A., F. G. S.	W. R. ASKWITH, B. Sc.

Dean of the Faculty : PROFESSOR MACGREGOR.

Registrar of the Faculty : PROFESSOR LIECHTI.

Correspondence should be addressed :—*The Dean of the Faculty of Science, Dalhousie College, Halifax, N. S.*

## § XXIV.—Courses of Instruction.

### i.—MATHEMATICS.

Professor .....

#### Junior Class.

Daily, 11 A. M.—12 M.

As in the Faculty of Arts (see § I (xii), p. 30).—Undergraduates of this Faculty, taking Courses A, B, E, F, G, or H (§ xxix) will be expected both to qualify themselves by diligent study for taking, and to take, the additional work for Distinction.

#### Senior Class.

Daily, 10—11 A. M.

As in the Faculty of Arts (see § I (xii), p. 30).—Undergraduates of this Faculty taking courses A, B (if they are to enter the Special Course in Chemistry and Chemical Physics, § xxx), E, F, G, or H, are required to qualify themselves by diligent study for entering, and to enter, the Higher Division of this class. Only students who

pass a satisfactory examination in the work of the Higher Division are admitted to the Advanced Class, which is one of the third year classes in the Courses mentioned above.

#### Advanced Class.

As in the Faculty of Arts (see § xii), p. 30).— The work of the First Division of this class is taken up in the third year, that of the Second Division in the fourth year.

The "partial course" of study prescribed in the third year of some of the B. Sc. Courses (§ xxix) consists of a portion of the work of the First Division in Analytical Trigonometry, Analytical Geometry, and the Differential Calculus.

The "partial course" prescribed in the fourth year of such Courses, consists of a portion of the work of the Second Division in Analytical Geometry, Differential and Integral Calculus and Differential Equations.

#### ii.—PHYSICS.

*Professor* ..... J. G. MACGREGOR, D. Sc., F. R. S.

##### Junior Physics Class.

*Mondays, 4-5 P. M.; Tuesdays and Thursdays,  
11 A. M.—12 M.*

As in the Faculty of Arts (see § i (xiv), p. 32).

Special lectures will be given in connection with this class on the elements of Hydrodynamics, for students taking Courses E, F, G, H, Such students are required to attend these lectures and to read in connection therewith the chapters on Hydraulics in Cotterill and Slade's Applied Mechanics (Macmillan & Co.) They are required also to do the work specified above for Distinction.

A supplementary course of lectures on Acoustics will be given in connection with this class for students who are candidates for the B. Mus. Degree. Such students are required to attend the ordinary lectures of the class on the properties of solid and fluid bodies and on sound, as well as the supplementary lectures, to read in connection therewith S. Taylor's Sound and Music (Macmillan & Co.), and to consult such other works as may be referred to in the lectures.

##### Senior Physics Class.

*Mondays and Wednesdays, 10-11 A. M.*

As in the Faculty of Arts (see § i (xiv), p. 32).

##### Advanced Mathematical Physics Class.

As in the Faculty of Arts (see § i (xiv), p. 33).—The "partial course" of study in this class in the fourth year of some of the B. Sc. Courses (§ XXIX), consists of the following subjects:—

For 1900-01 : Either Thermodynamics or Electrodynamics,  
For 1901-02 : Kinematics and Dynamics of a particle.

##### Advanced Experimental Physics Class.

As in the Faculty of Arts (see § i (xiv), p. 33).

## Practical Physics Class.

As in the Faculty of Arts (see § I (xiv), p. 34).

## iii.—CHEMISTRY.

(*McLeod Professorship.*)

Professor.....E. MACKAY. PH. D.

## Junior Chemistry Class.

*Mondays, Wednesdays, and Fridays, 9—10 A. M.*

The lectures in this class deal in an elementary way with the principles of general chemistry. In the earlier part of the course the characteristic properties of common acids and bases are studied, and then the chemistry of fire, of water, and of air, the order of historical development being followed as nearly as possible. When some acquaintance with chemical facts has thus been gained, the fundamental laws of combination are taken up and the atomic theory and chemical formulæ are introduced. Chlorine, nitrogen, carbon and some of their typical compounds are then studied; and thereafter the principal remaining elements, each in connection with the group of elements in the periodic system to which it belongs. Examinations, oral or written, are held fortnightly, and occasional written exercises are required.

Every student is required to devote at least three hours per week to laboratory work. The laboratory course 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; simple quantitative experiments are performed; and some time is devoted to elementary work in quantitative analysis.

*Books recommended:* Remsen's *Introduction to the Study of Chemistry* (Macmillan & Co.), for both class and laboratory work.

## Senior Chemistry Class.

*Tuesdays and Thursdays, 9—10 A. M.*

The lectures in this class are for the first few weeks devoted to a fuller treatment of some portions of inorganic chemistry than is given in the Junior Class. The constitution of acids, bases and salts; the determination of atomic and molecular weights; the chemistry of the metals; and the principal reactions used in qualitative analysis are the chief topics taken up. The remainder of the year is devoted to organic chemistry. Special attention is given in this part of the course to a study of the experimental evidence upon which the constitutional formulæ of organic compounds are based.

From three to five hours weekly are devoted to laboratory work. This will include a fuller course in qualitative analysis than is given to the Junior Class, and, in addition, the preparation of pure laboratory reagents and of typical inorganic and organic substances.

*Books recommended:* For class use, Roscoe and Harden's *Inorganic Chemistry for Advanced Students* (Macmillan & Co.); Remsen's *Compounds of Carbon* (Macmillan & Co.). For reference, Remsen's *Inorganic Chemistry, Advanced Course* (H. Holt & Co.).

**Advanced Chemistry Class.**

*One hour weekly.*

The subjects of study in this class are (a) Methods of quantitative analysis; (b) History of chemical theory; (c) Special topics in organic and inorganic chemistry in connection with the reading prescribed in the Special Course in Chemistry and Chemical Physics.

Different portions of this work are taken up in alternate years. The portion treated in 1901-02 will be Methods of Quantitative Analysis.

**Practical Chemistry Class.**

*At least five hours weekly.*

**JUNIOR COURSE.**—This course is intended for students taking their first laboratory work. The course will include the preparation and study of several common inorganic substances and a study of the reactions of the principal elements. Qualitative analysis and blow-pipe reactions are taken up and a few simple quantitative experiments are performed. Remsen's *Introduction to the study of Chemistry* is used as a laboratory manual.

**SENIOR COURSE.**—This course is open to students who have taken the Junior Course or its equivalent. The first part of the year is devoted to less elementary work in qualitative analysis than that in the Junior Course, and the remainder of the year to the preparation of pure laboratory reagents and of typical inorganic and organic substances.

**Advanced Practical Chemistry Class.**

The work of this class will include quantitative analysis and the preparation of inorganic and organic substances involving somewhat greater difficulty than the preparations prescribed for the Senior Class. The Analytical courses include a course in general quantitative analysis and courses in its special branches.

**QUANTITATIVE ANALYSIS.**—The work in this course is designed to illustrate typical methods in quantitative analysis. It will include the quantitative estimation of chlorine, iodine, sulphur, nitrogen, phosphorus, silicon, carbon, hydrogen, and of the metals—silver, copper, iron, manganese, aluminium, calcium, and potassium. Volumetric methods, as well as gravimetric, are employed whenever applicable.

**TECHNICAL COURSES.**—Students having a sufficient training in general quantitative analysis may undertake work in one or more of the following special branches of analysis: (a) Assay of ores. (b) Analysis of foods or poisons. (c) Analysis of soils. (d) Analysis of potable waters. (e) Gas analysis.

*Books recommended:* Renouf's *Inorganic Preparations* (Johns Hopkins Press); Cohen's *Practical Organic Chemistry for Advanced Students* (Macmillan & Co.); Clowes & Coleman's *Quantitative Analysis* (T. & A. Churchill).

Students taking Practical Chemistry are admitted to that one of the preceding courses for which their previous work has fitted them. All members of practical classes are required to keep a detailed record of their experiments. The character of this record is a factor in determining the standing of a student in the class lists.

Laboratory students are allowed the use of all the more inexpensive reagents. They are required to provide themselves with

expensive reagents as alcohol and ether ; and they are charged with the value of apparatus they have broken or injured.

The chemical laboratory accommodates about one hundred students. A reference library is placed in the laboratory for the use of students doing analytical work.

The general laboratory is open daily, Saturdays excepted, from 10 a. m. to 1 p. m., and from 3 to 5 p. m., on Mondays and Wednesdays. The quantitative laboratory is open daily, except Saturdays, from 9 a. m. to 5 p. m.

#### iv.—MINERALOGY.

Lecturer .....E. MACKAY, PH. D.

*Tuesdays and Thursdays, 11 A. M.—12 M.*

The instruction in mineralogy is given by means of lectures and laboratory work. The lectures are upon crystallography, the physical character of minerals, and the description of mineral species, and are illustrated by a collection of crystal models and the minerals of the McCulloch Collection. In the laboratory the student at first learns the use of the blow-pipe and the chief blow-pipe reactions. Practice is then given in the determination of minerals by blow-pipe and other tests. At least three hours a week must be devoted to laboratory work.

Students who take this course must have previously taken Junior Chemistry, or an equivalent course in chemistry.

*Text Books:* Williams' *Elements of Crystallography* (H. Holt & Co.) ; Dana's *Minerals and How to Study Them* ; Dana's *Manual of Mineralogy* (Wiley & Son) ; Moses & Parsons' *Elements of Mineralogy* (Wiley & Son).

#### v.—APPLIED MECHANICS.

Lecturer .....J. G. MACGREGOR, D. SC., F. R. S.

*Tuesdays and Thursdays, 10—11 A. M.*

The object of this class is to study the practical application of Dynamics to the various branches of Engineering. The series of lectures will form a two years course, so arranged that students may enter the class at the beginning of either year. The subjects studied will be as follows :

In 1900-01. *Résumé of the Principles of Statics* : The Theory of Structures, including the equilibrium and stability of beams, frames, trusses, and girders, of chains, cords and ribs, and of abutments, arches and vaults, with straining actions due to loads ; the Strength of Materials, including the relation of stress to strain and resistance to stretching, shearing, crushing, bending, twisting, and wrenching. Graphical methods will be studied and practised. Hoskins' *Elements of Statics* (Macmillan & Co.) as well as Cotterill's *Applied Mechanics* (Macmillan & Co.) and Lanza's *Applied Mechanics* (J. Wiley & Son), will be used for reference.

In 1901-02. *Résumé of the Principles of Dynamics.*—The Mechanics of Machinery, including (a) Kinematics : relative velocities and accelerations ; velocity and acceleration diagrams ; link-work, wheel-teeth, belts, cams, the screw, conic mechanisms, bevel and skew gearing, parallel motions, etc. (b) Dynamics : equilibrium

of mechanisms, force and work diagrams, inertia of moving parts, fly-wheels, governors, friction. (c) Energetics: production, transmission, and measurement of power, prime movers.—Kennedy's *Mechanics of Machinery* (Macmillan & Co.) will be frequently referred to, being supplemented by reference to other works, such as Cotterill's *Applied Mechanics* (Macmillan & Co.).

Students will be expected to acquire considerable power of solving problems, and to read privately, specified portions of books of reference on subjects not fully discussed in class.

#### vi.—DESCRIPTIVE GEOMETRY.

*Lecturer* ..... S. A. MORTON, M. A.

This course of lectures will include the following subjects: Plane Geometry: construction of scales, construction and areas of plane figures, properties and construction of curves; Solid Geometry: problems on the straight line and plane, projection of lines, planes and solids, simple intersections of planes and solids, easy examples of projection of shadows.

*Books recommended:* Angel's *Practical Plane Geometry and Projection*, Millar's *Descriptive Geometry*, Spanton's *Science and Art Drawing*.

#### vii.—DRAWING.

The following classes of the Victoria School of Art and Design are recognized as qualifying for a degree:

The classes in the subjects of Free-hand Drawing, Geometrical Drawing, Shaded Drawing from the Round, Modelling in Clay, Principles and Practice of Decorative Design, and Elements of Perspective. This course of instruction extends over three years, and is the one to be taken by students preparing for Science Teacher-ships in Schools.

The classes in Mechanical Drawing, including Practical Geometry, Descriptive Geometry, Projection of Lines, Planes and Solids, Sections by Planes, Developments, Penetrations, Curved Surfaces and Surfaces of Revolution, Preparation of Working Drawings of Machines to scale. This course of instruction extends over three years, and is the one to be taken by Engineering Students.

The class in Building Construction and Architecture may be taken by Civil Engineering Students instead of the third year of the Mechanical Drawing Class,

Information as to fees, etc., may be obtained on application to Mr. Alex. McKay, Secretary of Victoria School of Art and Design, Halifax.

#### viii.—CIVIL ENGINEERING. \*

*Lecturer* ..... M. MURPHY, D. Sc., C. E.

*Once a fortnight.*

The subjects treated will be:—Materials and Constructions: Earth-work; Masonry; Carpentry; Structures of Timber, Stone

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\* If there should not be a sufficient number of students to form a class in this subject the lectures will not be given, but the student will pursue a course of reading under the supervision of the lecturer.

and Iron; the Construction of Common roads; Railways; Bridges; Water Supply for Towns; and Reclamation of land from the sea.

Such works as are named above are generally in operation in Nova Scotia, under the supervision of the Provincial Engineer, and advanced students in the Engineering class will be afforded an opportunity of examining them under construction.

### ix.—SURVEYING.

Lecturers ..... { R. MCCOLL, M. Can. Soc. C. E.  
H. W. JOHNSTON, M. Can. Soc. C. E.

#### Junior Class.

*Once a week.*

The subjects treated will be Chain and Angular Surveying; use and adjustment of Compass, Sextant, Level (Dumpy, Wye, &c.), Transit, Theodolite, Aneroid Barometer; Plotting; Topography and Contouring.

Practical operations will be carried on in the field, and will include (1) Survey with Compass and Chain, (2) Triangulation with Sextant, (3) Road traverse with Compass, Sextant and Chain, (4) Road traverse with Transit and Chain, (5) Contour Survey, (6) Survey with Transit and Level, (7) Cross-sectioning with Level, (8) Cross-sectioning with hand level and levelling rods.

#### Senior Class.

*Once a week.*

Preliminary Survey, Location of a Railway, Laying out Work, Calculating and Estimating Quantities, Hydrographic Surveying, Mining Surveying.

Students will be expected to keep complete notes, and to prepare all drawings required from them.

### x.—MINING AND METALLURGY.\*

Lecturers ..... { E. GILPIN, JR., A. M., LL. D.  
C. ARCHIBALD, M. E.  
F. H. MASON, F. C. S.  
W. R. ASKWITH, B. Sc.

Courses of lectures will be given on the following subjects:

#### MINING.

Geology in relation to Mining, Occurrence of Veins and Beds, Prospecting, and Preliminary Operations.

Shaft and Slope Sinking, Mining Operations, Ventilation, Valuation of Properties.

Pumping, Hoisting, Mining Appliances, Cleaning of Ores and Coal.

Stamping of ores and tailings; Amalgamation of gold in the stamp mill and in other forms of crushing machinery; Concentrating

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\* If in any year there should not be a sufficient number of students to form a class in this subject, the lectures will not be given, but the students will pursue a course of reading under the supervision of the Lecturers.



machinery : The treatment of refractory ores, concentrates and tailings by wet methods ; Melting and refining.

METALLURGY.

Physical properties of metals ; Alloys ; Thermal treatment of metals ; Effects of traces of one metal or metalloid on masses of another ; Furnaces and material used in their construction ; Fuel, its calorific power and intensity ; Manufacture of coke, charcoal, coal and producer gas ; Metallurgy of iron ; The blast furnace ; Conversion of cast iron into malleable iron, wrought iron and steel ; Furnace charges ; Slags ; Metallurgy of gold ; The stamp mill ; The Huntington mill ; The Frue vannex ; The Wilfley table ; The chlorination process ; The Cyanide process ; Melting and refining.

*Books of reference :* Smith's *Coal Mining* ; Andre's *Treatise on Coal Mining* ; Chance's *Coal Mining, Pennsylvania* ; Dana's *Metalliferous Mines* ; Merrivale's *Notes and Formulae* ; Geikie's *Outlines of Field Geology* ; Ihlseng's *Manual of Mining. Text-book of Metallurgy*, by Carl Schnabel, translated by H. Louis ; *Elements of Metallurgy*, by Philips & Bauerman ; *Metallurgy of Gold*, by Kirke Rose ; *Hand-book of Gold Milling*, by Henry Louis ; *Stamp Milling of Gold Ores*, by J. A. Rickard ; *The Cyanide Process for Gold Extraction*, by Eissler ; *Ore and Stone Mining*, by C. LeNerve Foster ; Roberts-Austen's *Introduction to the Study of Metallurgy* ; Turner's *The Metallurgy of Iron*, Chas. Griffin & Co.

**xi.—HYDRAULIC ENGINEERING.\***

Lecturer.....C. E. W. DODWELL, B. A., M. I. C. E.

Once a fortnight.

The subjects treated will be as follows :

Flow of water through orifices and short tubes, and in pipes and open channels.

Water supply to cities and towns ; Quantity and quality necessary ; Rainfall, watershed, springs, wells, lakes and rivers ; Storage of water in natural and artificial reservoirs ; Measuring weirs and stream gauging ; Filtration and other methods of treating impure waters ; Construction of dams of stone, earth and timber ; Details of construction of a town supply ; Mains and distribution pipes, thickness, weight, strength, methods of moulding, preserving and laying : Valves, hydrants, etc. ; Pumping engines.

Turbines and water-wheels.

River improvements.

**xii.—MUNICIPAL ENGINEERING.**

Lecturer.....F. W. W. DOANE, C. E.

Once a fortnight.

The subjects treated will be :—Streets,—laying out, opening, formation, sidewalks, paving, cleaning, sprinkling, street railways, obstructions, etc. ; works of sewerage (separate and combined)—grades, materials, foundations, sectional form, course, ventilation, flushing, subsoil, drainage, intercepting sewers, tidal sewers, sewage disposal, etc. ; house draining and plumbing, roof water disposal, cesspits, disposal of garbage, etc. ; water supply, plumbing—service pipes, stopcocks, effect and prevention of waste, etc.

\* If in any year there should not be a sufficient number of students to form a class in this subject, the lectures will not be given, but the students will pursue a course of reading under the supervision of the Lecturer.

## xiii.—BOTANY.

Lecturer .....

*Two hours a week.*

The course in Botany will have special reference to the following subjects : Protoplasm and Plant-cells, the Tissue and Tissue Systems of Plants, Morphology of the Plant-body, Plant Physiology, the Principles of Classification and the Laws of Distribution, the Protophyta (Schizophyceæ), the Phycophyta (Chlorophyceæ and Phæophyceæ), the Carpophyta (Rhodophyceæ, Ascomyceteæ and Basidiomyceteæ specially), the Bryophyta (Mosses and Liverworts), the Pteridophyta (Ferns, Horse-tails and Club-mosses), the Anthophyta (specially the Coniferae, Gramineæ, Orchidaceæ, Liliaceæ, Utiaceæ, Labiatae, Compositæ, Umbellifereæ, Rosaceæ, Leguminosæ, Cruciferae, Ranunculaceæ). The Morphology and life history (the Anatomy, Histology and development) of at least two common or representative species of each group of plants above named, in minute detail.

General attention will be given to the native *flora* of the Province, with special notice of foreign as well as native species of interest from economic, medicinal or injurious properties.

The preliminary study of Botany as indicated in Grade IX of the Public School Course, and especially the formation of a local collection of plants, even if unnamed and unclassified, will be an advantage to any student entering upon the course.

Practical instruction will be given in the collecting, drying and mounting of specimens, the use of the microscope, the preparing of microscopic sections, and the general dissection of plants. The use in class of a number of microscopes will be granted the students under the care and direction of the lecturer ; but a hand lens, glass slides, cover glasses, scalpels and other apparatus or books necessary to each student, should be supplied by each for himself. Collections, notes, class-work and drawings of students will be estimated for incorporation into final class standing.

Students of the C or D Course are required in addition, during the summer vacation, to engage in practical botanical work, and to present, on entering their second year, either a report upon microscopical work in some special department during the summer, or a collection of specimens of native plants of the district of their residence, properly prepared and named, accompanied by a systematic catalogue.

## xiv.—ZOOLOGY.

Lecturer.....A. HALLIDAY, M. D.

*Two hours a week.*

The work of this class will consist of a course of lectures supplemented by practical work.

The following subjects will be treated in the lectures :—Organic and Inorganic bodies : Life, Vital Action, etc. ; Differences between plants and animals, Morphology. Physiology. Differences between Animals, Specialisation of Function, Morphological Type, Von Baer's Law of Development, Origin of Species, Homology, Analogy,

Reproduction, Distribution in Time and Space, Evolution, Classification. Also the general characters of the several sub-kingdoms will be treated of as fully as possible.

The practical part of the course will consist of dissections by students themselves, and demonstrations, microscopic, etc.

The object of the class will be to give such a comprehensive idea of the Animal Kingdom, as will form a good basis for further prosecution of the study of Biology or Comparative Anatomy and Physiology.

*Text-Book* : The text-book will be announced at the beginning of the session. *Books of Reference* : Anatomy of Vertebrates and Invertebrates, Huxley, 2 vols. ; Text-book of Zoology, Claus & Sedgwick, 2 vols. ; also Parker & Haswell's text-book, 2 vols.

#### xv.—GEOLOGY.

*Lecturer*.....H. S. POOLE, M. A., F. G. S.

*Two hours a week.*

Dynamical Geology ; Constitution of the Interior of the Earth ; Volcanoes and Earthquakes ; Sub-Aerial Agencies ; Reconstructive Processes.

Structural Geology : Igneous and Sedimentary Rocks ; Dislocations ; Veins ; Metamorphism.

Historical Geology ; The various formations, with distinctive Palæontology.

Scott's *Introduction to Geology*, (Macmillan) will be used as Text-book. For wider reading students will be referred to publications in the Science Library.

#### xvi.—PHYSIOLOGY.

The University provides no instruction in this subject, but the class conducted in the Halifax Medical College by Professor L. M. Silver, M. B., is recognised as qualifying for a degree. The class meets on Tuesdays, Thursdays and Saturdays, at 11—12 A. M. The fee for the course is \$15.00.

Undergraduates who have taken this class as part of their course are required either to present a certificate of having passed the examination of the Faculty of Medicine or to pass an examination conducted by the Examiner of this Faculty. In the latter case a fee of \$3 00 is to be paid to the Examiner.

#### xvii.—HISTOLOGY.

The University provides no instruction in this subject, but the class conducted by Professor G. M. Campbell, B. A., M. D., and H. D. Weaver, M. D., in the Halifax Medical College, is recognised as qualifying for a degree. The class meets on Mondays, Wednesdays and Fridays, at 10—11 A. M. The fee for the course is \$15.00.

The regulations as to examinations are the same as in the case of Physiology, the fee payable being \$3.00.

## xviii.—ANATOMY.

The University provides no instruction in this subject, but the Junior or the Senior Anatomy Class and the Practical Anatomy Class, conducted in the Halifax Medical College by Professor A. W. H. Lindsay, M. D., are recognized as qualifying for a degree. The Junior Anatomy Class meets on Mondays, Wednesdays and Fridays at 11—12 A. M. The Senior Class meets on Tuesdays, Thursdays and Saturdays, at 11—12 A. M. The fee for each of these classes is \$15.00. The Practical Anatomy Class meets daily (Saturdays excepted), at 3.30—5.30 P. M.; fee, \$15.00.

Undergraduates who have taken the Practical Anatomy Class as part of their course are required to produce evidence of having, during their attendance on such class, carefully dissected at least three "parts" of the body.

Undergraduates who have taken the above classes as parts of their course are required either to present certificates of having passed the examinations conducted by the Faculty of Medicine, or to pass before the Examiner of this Faculty a written examination in the subjects of the Junior or Senior Anatomy Class, and an oral or practical examination on such "parts" of the body as they may have dissected. In the latter case an examination fee of \$3.00 is payable, which covers both written and oral examination.

## xix.—MENTAL SCIENCE.

Professor ..... WALTER C. MURRAY, M. A.

The class in Mental Science is that known in the Arts Faculty as Junior Philosophy § 1 (ix), p. 27.)

The aim of the course in Logic is chiefly disciplinary. In the Psychological course experiments will be introduced as much as possible, not merely for purposes of illustration but also to supply data for inductions of psychological laws. Special attention will be given to the relation of Psychology to Educational methods.

*Text-Books:* Mill: *Logic*; Creighton: *Introductory Logic*; Titchener: *Primer of Psychology*, James: *Psychology* (Briefer Course). Recommended for students in Education: Sully: *Teacher's Handbook of Psychology*; Morgan: *Psychology for Teachers*; James: *Talks on Psychology*.

## xx.—EDUCATION.

## \* Science of Education.

Lecturer ..... PROF. W. C. MURRAY, M. A.

*Two hours a week.*

This Class consists of two courses of lectures. In one course the development of Educational Theory in England from Ascham to Thring will be traced. Concurrently with this, the principal questions of Educational Science will be discussed with special reference to Herbart's *Science of Education* and Laurie's *Institutes of Education*.

*Books recommended:* Ascham: *The Schoolmaster*; Milton: *Tractate on Education*; Locke: *Thoughts on Education*; Spencer: *Education*; Mill: *Inaugural at St. Andrews*; Thring: *Theory and Practice of Teach-*

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\* [This class will not be given in 1901-02 unless five or more students desire it.]

*ing*; Farrar: *Essays on Liberal Education*; Masson: *Life of Milton*, Vols. I, III; Quick: *Educational Reformers*; Parkin: *Life of Thring*; Mark: *Educational Theories in England*; Huxley: *Science and Education*; Fitch: *Educational Aims and Methods*; Herbart: *Science of Education*; Laurie: *Institutes of Education*; James: *Talks on Psychology to Teachers*; Adams: *Herbartian Psychology*; Fitch: *Lectures on Teaching*; Reports of Committees on Secondary and Primary Education (Bureau of Education, U. S. A.); Hanus: *Educational Aims and Values*.

**History of Education and Practice.**

This Class consists of three parts. Principal Miller will lecture on the History of Education; Principal Kennedy on School Management; and Supervisor A. McKay will conduct the course in the Practice of Teaching.

(1) HISTORY OF EDUCATION.

Lecturer..... PRINCIPAL G. J. MILLER.

*One hour a week.*

[This course will be given every other session.]

The course consists of lectures and recitations on: The History of Education in different ages and countries; Comparison of Education Systems; Theories of Writers on Education; Eminent Educators.

*Books recommended*: Williams: *History of Modern Education*; Quick: *Educational Reformers*; Browning: *Educational Theories*; Painter: *History of Education*.

(2) SCHOOL MANAGEMENT.

Lecturer..... PRINCIPAL W. T. KENNEDY.

[This course will be given when the Course in History is given.]

Six or eight lectures will be given on the principles of School Management and the School Law of Nova Scotia.

*Useful Books*: Fitch's *Lectures on Teaching*; McMurray's *General Method*; Baldwin's *School Management*; School Law of Nova Scotia, 1892.

(3) PRACTICE OF TEACHING.

Lecturer..... ALEXANDER MCKAY.

The work of this course will consist of Observation of the practice of successful Teachers, Practice in Teaching, and Discussions conducted by Supervisor McKay on points raised in the course of the observation and practical experience of the class.

Members of the class who pass satisfactory examinations on the subjects studied, and are favorably reported upon by Mr. McKay, the supervisor of their practical work, will be granted certificates showing the standard of excellence attained and the time spent in practice.

Students who take this class as part of Course C for the degree of B. Sc. (§ XXIX) will be required to spend 150 hours in practical work (including actual teaching and observation of teaching) under supervision approved by the Faculty. Those who take the class as part of the Course for the Diploma of Literate in Education (§ XXXV) will be required to spend 300 hours in practical work.

**xxi.—THEORY AND HISTORY OF MUSIC.**

The classes in the Theory of Music, conducted in the Halifax Conservatory of Music by \_\_\_\_\_, Director, and other members of the staff, and those in the History of Music, conducted by Rev. R. Laing, M. A., 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, &c., may be obtained on application to the Director of the Conservatory.

**xxii.—ENGLISH.**

*Professor*.....ARCHIBALD MACMECHAN, PH D.

As in the Arts Faculty (§ I (v), p. 23).

**xxiii.—FRENCH AND GERMAN.**

*Professor*.....J. LIECHTI, M. A.

As in the Arts Faculty (§ I (iv), p. 20).

**§ XXV.—The Academic Year** consists of one Session. The Session of 1901-02 will begin on the 10th September, 1901, and the end on the 29th April, 1902.

**§ XXVI.—Admission of Students.**—The regulations for the admission of students to the classes of this Faculty are the same as in the Faculty of Arts (§ III, p. 38).

**§ XXVII.—Degrees.**—(1.) Three baccalaureate degrees are conferred in the Faculty of Science, viz., Bachelor of Science (B. Sc.), Bachelor of Engineering (B. E.), and Bachelor of Music (B. Mus.) The degree of B. E. (§ XLI) is conferred only on persons who have already obtained the degree of B. Sc. Candidates for the B. Sc. and B. Mus. degrees must attend with regularity the classes of their courses of study as prescribed in §§ xxix and xxxv, perform the exercises required, and appear at the examinations held, in connection with such classes, and secure a position on the Pass Lists in all subjects. The courses of study for B. Sc. extend over four years, that for B. Mus. over three years; but in the case of students who enter at advanced stages, they may be completed in a shorter time.

(2.) Persons may become candidates for degrees by passing the Junior or Senior Matriculation Examination. Those who pass the Senior Matriculation Examination are exempted from attending the classes recommended in §§ xxix and xxxv to be taken in the first year of attendance, and may complete the B. Sc. course in three, and the B. Mus. course in two, years, respectively. In general, the Matriculation examination is to

be passed by a student before he enters upon a course of study leading to a degree.

(3.) General students who have attended some of the classes in any course of study and passed in the subjects of them, may become candidates for a degree in such course by passing one of the Matriculation Examinations, in which case the classes previously attended will be recognized as qualifying for a degree. But in those subjects of the Matriculation Examination in which they have previously attended classes, such students will be expected to show a higher proficiency than if they had passed the examination at the beginning of their course.

(4.) Undergraduates who have completed a portion of their Science or Music Courses either in this University or in other approved Colleges or Schools, will be admitted to such advanced standing in the courses leading to the above degrees as the subjects which they have studied may seem to warrant, and arrangements will be made to enable them to complete the courses in as short a time as possible.

§ XXVIII.—**Matriculation Examinations.**—(1.) The Junior Matriculation Examination by which a student may gain entrance to the first year of the science or music courses in this Faculty, is the same as that prescribed for candidates for entrance into the first year of the B. L. Course in the Faculty of Arts. The regulations as to distinction, exemptions, dates, &c., are the same as in the case of the Junior Matriculation Examination of the Faculty of Arts. (See § v., p. 39.)

(2.) The subjects of the Senior Matriculation Examination by which a student may gain entrance to the second year of the various courses in this Faculty, are the subjects of the Junior Matriculation Examination and of the first year of the course on which he wishes to enter (§§ xxix and xxxv.) The regulations as to exemptions, dates, &c., are the same as in the case of the Senior Matriculation Examination of the Faculty of Arts. (See § vi, p. 41).

(3.) The regulations of §§ v and vi with respect to Scholarships are applicable in the case of students entering the B. Sc. Courses, but not to those entering the B. Mus. Course.

§ XXIX.—**Courses of Study for Degree of B. Sc.**—Eight Courses of Study are provided, which lead to the degree of B. Sc. They are as follows:—

Course A has Mathematics and Physics as main subjects, and is suited to the requirements of students who wish to prepare themselves for higher teaching positions in these departments, or to obtain a thorough groundwork for a subsequent course in Engineering.

Course B has Experimental Physics and Chemistry as main subjects, and is intended to enable students to prepare themselves for higher teaching positions in these departments, or for engaging in chemical industries.

Course C includes a study of various sciences, of English and other Modern Languages, of Drawing, and of Education, and is designed to prepare students to discharge the duties of Science Teachers in High Schools.

Course D has as main subjects Chemistry and Biology, and is especially suitable for students who intend to enter upon the study of Medicine. It includes a sufficient number of the scientific subjects of the medical curriculum to enable the student to shorten his subsequent medical course by one year. Students taking this course should matriculate in the Faculty of Medicine at as early a stage as possible. Classes taken in this course which are common to it and the M. D. C. M. course, are recognized as qualifying for that degree, provided the student has already matriculated in Medicine, and follows in other respects the regulations of the Faculty of Medicine.

Courses E, F, G, H, though not technical courses, are intended for students who aim at becoming Civil, Mechanical, Mining or Electrical Engineers respectively. Their main subjects are Mathematics, Physics (including Dynamics), Applied Mathematics, and Drawing, and they include also courses of lectures on the practice of different departments of Engineering, offered by leading engineers of the City of Halifax. Course H includes the foundation of pure science, and the earlier stages of the practical study of electricity, which are necessary for the electrical engineer.

The following is a statement of the classes which must be attended in the above courses. Details as to the subjects studied in these classes will be found under Courses of Instruction (§ XXIV.) Classes to which the letters A, B, &c., are attached, are to be taken in the Courses indicated above by the same letters. Those to which no letters are attached, are common to all the Courses.

#### First Year.

- (1.) Junior Mathematics.
- (2.) Junior Chemistry.
- (3.) For A, B, E, F, G, H, Drawing. For C, D, Botany.
- (4.) First English.
- (5.) French.
- (6.) German.

Undergraduates in Courses C and D are required to present on entering their Second Year, either a report upon microscopical work in some special department conducted during the summer, or a



collection of specimens of native plants of the district of their residence, properly prepared and named, accompanied by a systematic catalogue.

**Second Year.**

- (1.) Senior Mathematics.\*
- (2.) Junior Physics.\*
- (3.) For A, B, C, G, H, Senior Chemistry. For D, Senior Medical Chemistry. For E, F, Practical Chemistry.
- (4.) Drawing.
- (5.) Second English.
- (6.) For B, D, French or German. For A, C, E, F, G, H, Descriptive Geometry.

**Third Year.**

- For A.—Advanced Mathematics ; Senior Physics ; Mental Science ; French or German.
- For B.—Senior Physics ; Advanced Practical Chemistry ; Mineralogy ; Practical Physics ; French or German.
- For C.—Practical Physics ; Advanced Practical Chemistry ; Mental Science ; French or German ; Drawing ; Science of Education ; Zoology ; Geology (in third or fourth year).
- For D.—Practical Physics ; Advanced Practical Chemistry ; Mental Science ; French ; German ; Zoology.
- For E.—Advanced Mathematics (partial course) ; Senior Physics ; Applied Mechanics ; Drawing ; Surveying ; French or German ; Geology.
- For F.—Advanced Mathematics (partial course) ; Senior Physics ; Applied Mechanics ; Drawing ; Surveying ; French or German.
- For G.—Advanced Mathematics (partial course) ; Senior Physics ; Applied Mechanics ; Mineralogy ; Drawing ; Surveying ; Advanced Practical Chemistry ; Geology.
- For H.—Advanced Mathematics ; Senior Physics ; Practical Physics ; Applied Mechanics (Mechanics of Machinery) or Drawing ; Advanced Practical Chemistry.

**Fourth Year.**

- For A.—Advanced Mathematics ; Senior Physics ; Advanced Mathematical Physics ; French or German or Practical Physics.

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\* Undergraduates taking Courses A, E, F, G, H, and those taking B, if they are to enter the Special Course in Chemistry and Chemical Physics, must give special attention to Mathematics in the second year. Unless they pass a satisfactory examination in this subject, including the additional work for Distinction, they are not allowed to enter the Advanced Mathematics Class in the third year. Undergraduates taking the above courses are required also to take the additional work for Distinction in the Junior Physics Class.

- For B.—Senior Physics ; Practical Physics ; Advanced Practical Chemistry ; French ; German.
- For C.—Advanced Practical Chemistry or Practical Physics ; Mineralogy ; Physiology or Senior Physics ; Drawing ; French or German ; History and Practice of Education.
- For D.—Advanced Practical Chemistry ; Physiology ; Anatomy ; Practical Anatomy ; Histology ; French or German. (An undergraduate taking Course D, who wishes his fourth year to qualify for a medical degree, must previously to his entering upon it, have satisfied the requirements of the Medical Faculty with regard to Matriculation, and must also satisfy its requirements in all other respects.—See Faculty of Medicine.
- For E.—Advanced Mathematics (partial course) ; Senior Physics ; Advanced Mathematical Physics (partial course) or Practical Physics ; Applied Mechanics ; Mineralogy ; Surveying ; Civil Engineering ; Hydraulic Engineering ; Municipal Engineering.
- For F.—Advanced Mathematics (partial course) ; Senior Physics ; Advanced Mathematical Physics (partial course) ; Practical Physics ; Applied Mechanics ; Civil Engineering ; Hydraulic Engineering.
- For G.—Advanced Mathematics (partial course) ; Senior Physics ; Applied Mechanics ; Assaying ; Mining and Metallurgy ; Surveying ; Civil Engineering ; Hydraulic Engineering.
- For H.—Advanced Mathematics ; Advanced Mathematical Physics (partial course) ; Senior Physics ; Practical Physics ; Drawing or Applied Mechanics, (Mechanics of Machinery) ; Municipal Engineering.

**§ XXX.—Special Courses for Degree of B. Sc.—**

(1.) An undergraduate shall be allowed during the third and fourth years of his B. Sc. course, to restrict his attention to a more limited range of subjects than that of most of the above ordinary courses, provided his standing at the examinations of the first and second years, especially in the subjects corresponding to the Special Course on which he proposes to enter, seems to the Faculty to warrant such restriction.

Special Courses are provided in the following departments :  
 (a) Pure and Applied Mathematics ; (b) Mathematics and Physics ; and (c) Chemistry and Chemical Physics.

An undergraduate taking a special course in any of these departments shall be required to attend the Advanced Classes provided in the subjects of such department (see § xxiv.), to make progress satisfactory to the Professors who conduct such

classes, and to pass at the end of the fourth year, an examination in the subjects of such department; and he shall in some cases be allowed to omit from the ordinary course he is pursuing, certain subjects specified below.

(2.) The Special Course in **Pure and Applied Mathematics** is open to undergraduates taking the ordinary courses A, E, F, G, and H. Those taking course A may substitute Practical Physics for Mental Science in the Third Year. Those taking courses E, F, G, and H, must take the complete courses in Advanced Mathematics and Advanced Mathematical Physics. In course E, any two of Senior Physics (Heat and Electricity), Applied Mechanics (Mechanics of Machinery) and Mineralogy, may be omitted. In course F, Assaying and Applied Mechanics (Theory of Structures) may be omitted. In course G, Applied Mechanics (Theory of Structures) and Civil Engineering may be omitted. In course H one subject to be approved by the Dean may be omitted in the Fourth Year.

The subjects of examination and other regulations are the same as in the corresponding course in the Faculty of Arts (see § VIII (11) p. 51.

(3.) The Special Course in **Mathematics and Physics** is open to undergraduates taking the ordinary course A. They are recommended to take German in the second as well as the first year. They are required, if they wish to complete the course in two years, to take, in their third year, Advanced Mathematics, Senior Physics, Practical Physics, Advanced Practical Chemistry, and (if not taken in the second year) German; and in their fourth year Advanced Mathematics, Advanced Mathematical Physics, Advanced Experimental Physics, Senior Physics and Practical Physics. They are advised, however, to take three years rather than two to complete the course.

They will be required in the course of their laboratory work in Physics and Chemistry to prove their ability to make accurate determinations of physical constants, to conduct investigations of physical laws, and to carry out qualitative and quantitative analyses (both gravimetric and volumetric) of inorganic bodies.

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 the examination and other regulations will be the same as in the corresponding Special Course of the Faculty of Arts (§ VIII (12) p. 51.

(4.) The special course in Chemistry and Chemical Physics is open to undergraduates taking the ordinary course B. They are recommended strongly to select German as one of the sub-

jects of their second year. They are required in their third year to take the following classes :—Advanced Practical Chemistry, Advanced Mathematics (partial course), Junior Physics (with work in the laboratory), Senior Physics and German ; and in the fourth year, the following classes :—Advanced Practical Chemistry, Advanced Mathematics (partial course), Advanced Experimental Physics, Senior Physics and Practical Physics.

The subjects of examination and other requirements will be the same as in the corresponding special course of the Faculty of Arts (§ VIII (13) p. 53).

§ XXXI.—**The Degree of B. Sc. with Honours** in departments in which special courses are provided in this Faculty, will be conferred on the same conditions as the corresponding degree in the Faculty of Arts (§ XI, p. 56).

§ XXXII.—**The Degree of B. Sc. with Distinction** will be conferred on the same conditions as the corresponding degree in the Faculty of Arts (§ XII, p. 56).

§ XXXIII.—**Medals, Prizes, and Matriculation Scholarships.**—The Sir William Young Gold Medal, the University Medals, the Avery Prize, and the Sir William Young and Professors' Scholarships and Mackenzie Bursary (awarded at matriculation) are open for competition to undergraduates of, or candidates for matriculation in, the B. Sc. courses of this Faculty. See §§ v, xv, pp. 39, 58.

§ XXXIV.—**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, 1896, 1898 and 1900 they placed the nomination to one of these Scholarships at the disposal of this University, and it is expected that a similar nomination will be placed at the disposal of the University for the year 1902.

These Scholarships are of the annual value of one hundred and fifty pounds sterling, are tenable for two years, subject to the fulfilment of certain conditions mentioned below, or, by special resolution of the Commissioners, for three years, and are open to women as well as men.

The following were the conditions of nomination in 1900 :

- (a) The nominee must be a British subject.
- (b) He (or she) must, at the date of the nomination, have been for a term of three years a *bona fide* Student of Science in a University or College (or in Universities or Colleges), in which special attention is given to a scientific study,—a graduate who has continued his studies at a College after graduation being regarded as a student.
- (c) He must have been a student of Dalhousie College either during the academic year at the end of which the nomination is made, or during the previous year; but in the event of his having ceased to be a student of Dalhousie College at the end of the previous year, he must have been engaged during the year of nomination solely in scientific study.
- (d) He must have indicated high promise of capacity for advancing Science or its applications by original research. Evidence of capacity for original research in Science is strictly required, this being one of the main qualifications for a scholarship; and the nominee will be selected from the students qualified for nomination mainly on the ground of superiority in this respect, though the general proficiency attained in the study of Science, special knowledge of departments of Science closely related to that to which the candidate intends to devote himself, and knowledge of such subjects as French and German, which are useful in the prosecution of research, will also be taken into account.
- (e) There is no absolute restriction as to age; but a nominee whose age exceeds 30 will only be accepted by the Commissioners under very special circumstances.

The nomination which is to be made by this University to the Commissioners in London, will be referred by them to a committee of eminent scientific men, who will advise them upon it; and the nomination will take effect on its being confirmed by the Commissioners.

The scholarship may be held at any University in the United Kingdom or abroad, or in any other institution to be approved by the Commissioners, the only restriction being that the institution selected shall be properly equipped for the prosecution of Science. But a scholar will be required, in the absence of special circumstances, to proceed to an institution other than that by which he is nominated.

The scholar, during his tenure of the Scholarship, must devote himself wholly to study and research, more especially in some branch of Science, such as Physics, Mechanics, or Chemistry, the extension of which is especially important to our national industries; and he is not allowed during such tenure to hold any position of emolument.

The continuance of the Scholarship for the second year is dependent on the work done in the first year being satisfactory to the Scientific Committee appointed by the Commissioners.

Only one-fourth, at most, of the Scholarships granted in any one year, are renewed for a third year, the renewals being awarded to the most deserving of the candidates.

The conditions for the exceptional renewal of Scholarships for a third year are as follows:—

- (1) The scholar shall have published in the Proceedings of some Scientific Society, or in some Scientific Journal, an account, approved by the Scholarships Committee, of an adequate research.

- (2) The scholar shall satisfy the Committee :—

That a continuance of the Scholarship for a third year is likely to result in work of scientific importance.

That such work is not likely to recompense the scholar pecuniarily.

That the scholar is not in a position to continue the work without the help of the Scholarship.

That the scholar intends, after the expiration of the Scholarship, to adopt a pursuit in which his studies during his tenure of the Scholarship, will find useful practical application.

- (3) The scholar shall undertake to make a detailed report to the Commissioners, of his work during the third year.

- (4) The conditions on which the Scholarship was originally granted shall apply in all respects to its continuance during the third year.

The scholarship is payable half-yearly in advance (through the Treasurer of this University, if the scholar study in America); but £25 will be reserved from the last payment until the scholar has made a satisfactory final report.

The candidate nominated is required by the Commissioners to sign the following declaration :

I, the undersigned, hereby declare that the particulars concerning me mentioned in the foregoing form are correct, and I undertake that, if a Science Research Scholarship is awarded to me, I will hold it subject to the conditions laid down by Her Majesty's Commissioners for the Exhibition of 1851 with reference thereto, and I will, during its continuance, wholly devote myself to the objects of the Scholarship, and I will not during such continuance hold any position of emolument.

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 following are the regulations under which such Bursaries are tenable :—

1. A Bursary is intended for the maintenance for one year of a Student who proposes to become a Science Research Scholar under the scheme of the Commissioners at the expiration of the period covered by the Bursary, in order to afford him an opportunity of proving his power to carry on independent research. The authorities of an institution recommending a Student for a Bursary will be presumed to have satisfied themselves that he *bonâ fide* intends to accept a Scholarship if subsequently appointed to one.

2. An applicant for a Bursary must, except as to evidence of capacity for original research, fulfil all the conditions for the time being laid down for appointment to a Science Research Scholarship. He must have passed a B. Sc. examination (or its equivalent) with Honours before the commencement of the period covered by the

Bursary. His age must not exceed 25, except under very special circumstances.

3. A Bursary is tenable for one year, and is of the value of £70, payable by half-yearly instalments in advance, the second instalment being payable on receipt of a certificate from the Professor under whom the holder has been working that he has faithfully performed his duties.

4. A Bursary will be awarded on condition that the nominating institution undertakes to provide for the holder facilities for conducting research, and the requisite supervision, free from charge and incidental expenses.

5. The holder of a Bursary shall devote himself exclusively to research, and work preparatory to research, and none of his time shall be spent in assisting a teacher in his duties. The holder of a Bursary must not hold any other Bursary, Scholarship, or position of emolument.

6. The holder of a Bursary shall on or before May 1st in the year of tenure send to the office of the Commissioners an account of the research work performed by him, together with an application for appointment to a Science Research Scholarship. The Commissioners will expect to receive from the Professor under whom the holder of the Bursary shall have worked, a confidential opinion as to his capacity and qualifications.

7. The Commissioners may either appoint the holder of a Bursary to a Science Research Scholarship, or at their absolute discretion decline to appoint him, and in the latter case, shall not be called upon to state any ground for their decision.

8. A Science Research Scholarship, if granted, shall be held on the usual conditions attached to the Scholarships, or on any special conditions which the Commissioners may impose. But a Scholar who previously to appointment has held a Bursary shall not be eligible for exceptional renewal of his Scholarship for a third year.

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, 1902. 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 tenure of Scholarship.
- (f) Statement of the particular scientific work, specifying the branch of a 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 so prepared, a further statement as to his being unable to continue his studies without assistance.

As this University is required to certify the correctness of the above statement in the case of the candidate 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.

### § XXXV.—Course of Study for Degree of B. Mus.

—The Course of Study includes, besides English and Acoustics, the following subjects:—Harmony, Counterpoint, Canon and Fugue, Form, and History of Music, for two years in each case, Instrumentation and Analysis of Scores, for one year.

Candidates are required besides attending the courses of instruction in the above subjects (§ XXIV.), performing the required class exercises and passing the examinations, to compose, themselves, the exercises specified below, and to give evidence of their ability as musical performers by playing before one or more of the Examiners, on the Piano-Forte or Organ (pipe), the pieces of music mentioned below.

(2) The classes in the above subjects need not be taken in any one definite order and may be extended over more than three years, but students are recommended to take them in the following order:—

FIRST YEAR.—(1) Harmony in not more than four parts; (2) History of Music from 1600 to 1750; (3) Acoustics in so far as connected with the Theory of Music; (4) English.

SECOND YEAR.—(1) Harmony in not more than five parts; (2) Simple Counterpoint in two or three parts; (3) Canon in two parts, Imitation and Fugue in not more than three parts; (4) Form: Elementary Forms, Phrases, Periods, Open and Closed Forms; (5) Elements of Instrumentation; (6) History of Music from 1750 to the present time; (7) English.

THIRD YEAR.—(1) Single and Double Counterpoint in not more than five parts; (2) Strict and Free Fugue in not more than five parts; (3) Form: Binary Form, Ternary Form, Rondo and Sonata; (4) Analysis of certain prescribed scores.

Exercises to be composed by the candidate: (a) A solo song with piano-forte accompaniment; (b) A four part vocal composition; (c) An instrument composition (other than a dance), for Piano-forte, Organ, or other stringed or wind instruments with Piano forte accompaniment.

The final examination in the practice of Music will include one of the following groups:—

#### For the Pianoforte.

Prelude and Fugue in E minor .....	<i>Mendelssohn.</i>
C major Sonata (Waldstein) .....	<i>Beethoven.</i>
A $\frac{2}{4}$ major Polonaise .....	<i>Chopin.</i>
D $\frac{2}{4}$ major Nocturne.....	<i>Chopin.</i>
Concert-Etude No, 1, (Waldesrauschen). . . .	<i>Liszt.</i>
Rhapsodie, No. 12 .....	<i>Liszt.</i>



## For the Organ.

Prelude and Fugue in E major.....	<i>Bach.</i>
Sonata in D minor (solo form).....	<i>Merkel.</i>
Air with Variations and Fugato in A .....	<i>Smart.</i>
Third Organ Sonata.....	<i>Mendelssohn.</i>

§ XXXVI.—**Short Courses of Study for General Students.**—(1.) For the benefit of students who may be unable to spend four full years at the University, but may be able to give full attendance for shorter periods, or to attend a small number of classes for a series of years, short courses of study have been arranged.

Students entering on these courses are not required to pass any preliminary examination; but they are recommended not to enter classes in which some knowledge of the subject is assumed, without first consulting the Professors as to their ability to enter with profit upon the work of the classes.

To students who attend the classes of these courses with regularity, show diligence in the class work, and succeed in securing positions on the Pass Lists, certificates will be issued stating the nature of the course pursued, and the degree of success attained.

The details of the subjects studied in the classes mentioned below will be found under Courses of Instruction (§xxiv.)

(2.) **Short Course for Teachers.**—This course is intended to provide a thorough systematic and practical training in education, together with a practical study of scientific subjects, such as will enable the student to present and illustrate such subjects adequately in the school.

It consists of the following classes (§xxiv):—Mental Science, Science of Education, History and Practice of Education, Practical Chemistry, Practical Physics, Mineralogy, Physiology, Geology, Botany, Zoology, and Drawing.

**Diploma of Literate in Education (L. E.)**—This Diploma will be awarded to students who have taken the above course, on the following conditions:

(a) Before entering upon it they must furnish evidence of general education, equal at least to that implied in the possession of the Grade XI (B) Certificate of the Nova Scotia Education Office.

(b) They must pass satisfactory examinations in the subjects of the classes mentioned above, and receive the favorable report of those who conduct practical classes on their practical work.

(c) In connection with the Class of Practice of Teaching, they must have spent at least 300 hours in practical work

(including actual teaching and observation of teaching) under approved supervision; but a portion of this practical work may have been carried out in the summer vacation, provided it be under the supervision of Teachers, approved by the Faculty.

(b) The Course in Drawing must include at least 60 lessons, and must be in the department outlined in § xxiv (vii).

(e) They must furnish certificates from teachers approved by the Faculty, of having attended a course of instruction of at least 30 lessons in Manual Training, and of having acquired proficiency both in this subject and in School Music (Tonic Sol-Fa notation).—Instruction in both these subjects may be obtained in the city of Halifax.

### (3) Short Course introductory to Medical Study.

—This course includes the more difficult subjects of the Medical Matriculation Examination, together with a sufficient number of the subjects of the Medical Curriculum to constitute an *annus medicus*. It is as follows:

FIRST YEAR.—Latin; English; French; Mathematics; Junior Chemistry.

SECOND YEAR.—Junior Physics; Senior Chemistry; Mental Science; Botany; Anatomy.

### (4) Short Courses for Engineering Students.—

The following courses are intended for students who are unable to give full attendance, but can give partial attendance, for a number of years:

(a) CIVIL ENGINEERING.—Mathematics (Junior and Senior); Descriptive Geometry; Drawing; Junior Physics; Senior Physics; (Dynamics); Applied Mechanics (Theory of Structures and Strength of Materials); Surveying; Civil and Hydraulic and Municipal Engineering.

(b) MECHANICAL ENGINEERING.—Mathematics (Junior and Senior); Descriptive Geometry; Drawing; Junior Physics; Senior Physics; Applied Mechanics (Mechanics of Machinery); Hydraulic Engineering.

(c) MINING ENGINEERING.—Mathematics (Junior and Senior); Descriptive Geometry; Drawing; Junior Physics; Senior Physics; Applied Mechanics; Chemistry; Practical Chemistry; Mineralogy; Geology; Mining; Surveying; Civil and Hydraulic Engineering.

(d) ELECTRICAL ENGINEERING.—Mathematics (Junior and Senior); Descriptive Geometry; Drawing; Junior Physics; Senior Physics; Practical Physics; Applied Mechanics (Mechanics of Machinery).

### § XXXVII.—Classes for Artisans.—

Classes are organized from time to time for artisans and other persons who are engaged in forms of work involving the application of scientific knowledge. These classes are usually held in the evening. Announcements with regard to them are made at the beginning of the Session.

§ XXXVIII.—**Attendance.**—The regulations as to attendance of students are the same as in the Faculty of Arts. (See § IX, p. 54).

§ XXXIX.—**Class Exercises and Examinations.**—The regulations as to Class Exercises and Examinations are the same as in the Faculty of Arts. (See § X, p. 54).

§ XL.—**Residence, Church Attendance, and Discipline.**—The regulations as to residence, church attendance, and discipline, in this Faculty, are the same as in the Faculty of Arts. (See §§ XVI–XVIII, p. 60.)

§ XLI.—**The Degree of Bachelor of Engineering (B. E.)** will be conferred on a Bachelor of Science who has taken the degree in one or other of the Departments of Engineering, at any date not less than one year after graduation, provided he satisfy the following conditions :

(1.) He must furnish certificates from an engineer or engineers, approved for this purpose by the Faculty, showing that he has been engaged in practical work in some one department of engineering under their supervision for a period of at least two years, and that he has exhibited satisfactory diligence and progress. A part, or the whole, of this time may be spent in any approved Engineering School which possesses workshops or testing laboratories.

(2.) He must hand into the Faculty designs for some constructive work, prescribed by the Faculty, in the department in which he has been engaged in practical work, the designs to be accompanied by complete working drawings giving full details, and bills of materials and estimates. The designs must be accompanied by a declaration to the effect that he has received no assistance in preparing them ; and he will be required to explain and defend them before the examiners.

(3.) Candidates for this degree must send their designs, &c., to the Dean of the Faculty on or before the first of March, and must, at the same time, pay a fee of Twenty Dollars. In the event of the degree being granted, a further fee of Five Dollars is payable for the Diploma.

§ XLII.—**The Degree of Master of Science (M. Sc.)**—The degree of Master of Science will be conferred on a Bachelor of Science of at least one year's standing and of good character, either on his submitting to the Faculty a satisfactory thesis embodying the results of original research in some department of pure or applied science, or on his passing an examination in a course of scientific study, appointed or approved by the Faculty, of about the extent represented by the academic

work of one year of the B. Sc. Course. In the latter case no fixed courses of study are laid down, the intention being to encourage graduates to prosecute advanced courses of study either at this or at any other University, or by private reading, and to adapt the courses to their individual tastes and capacities; but no course of study will be approved unless it is confined either to one department of science, or to closely related departments.

Theses must be sent to the Dean of the Faculty on or before the first of March. Examinations will 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 of their intention to appear for examination.

On transmitting the thesis, or on giving notice of intention to appear for examination, candidates must pay a fee of Five Dollars. In the event of the degree being granted a further fee of Five Dollars is payable for the Diploma.

**§ XLIII.—Admission ad eundem gradum.**—Graduates in Science or in Music of Universities approved by the Senate, who have received their degree in course, may be admitted *ad eundem gradum* in this University, on producing satisfactory proof of character and academic standing, and on payment of a fee of Ten Dollars.

**§ XLIV.—Academic Costume.**—Undergraduates and general students attending more than one class, are entitled to wear caps and gowns. The forms prescribed are the Oxford undergraduate gown of black stuff with sleeves; and the black trencher with tassel.

Bachelors of Science, of Engineering, and of Music, and Masters of Science are entitled to wear black stuff gowns and hoods. The distinctive part of the costume is the hood, which is to be as follows:

For B. Sc.—Black stuff, with a lining of white silk bordered with crimson silk.

For B. E.—Black stuff, with a lining of white silk bordered with purple silk.

For B. Mus.—Black stuff, with a lining of white silk bordered with lavender silk.

For M. Sc.—Black stuff, with a lining of scarlet silk.

Successful candidates for these degrees must appear at Convocation in the proper academic costume, to have the degrees conferred upon them. Degrees will be conferred in the absence of candidates only by special permission of the Senate.

§ XLV.—Fees.—The regulations as to fees payable by students for registration, gymnasium, classes conducted in the College, supplementary and special examinations, &c., shall be the same as in the Faculty of Arts (see § XXIII, p. 62); except that for classes conducted by two or more Lecturers a fee of Twelve Dollars is payable. For extra-mural classes the fees prescribed in the Institutions in which they are held, must be paid. In the subjects of Anatomy, Physiology, and Histology, examination fees are payable (§ XXIV.)

The Degree Examination fees are as follows :

For B. E. Examination.....	\$20 00
For Examinations in Music (B. Mus.), in each year of the course.....	10 00
For M. Sc. Examination or report .....	5 00

The Graduation Fees are as follows :

For B. Sc. Diploma .....	5 00
For B. E. Diploma .....	5 00
For M. Sc. Diploma .....	5 00
For B. Mus. Diploma .....	20 00
For an <i>ad eundem</i> Degree .....	10 00

# Faculty of Law.

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THE PRESIDENT, (*ex-officio*).

RICHARD C. WELDON, M. A., PH. D., D. C. L., K. C.

BENJAMIN RUSSELL, M. A., D. C. L., K. C., M. P.

C. SYDNEY HARRINGTON, K. C.

GEORGE RITCHIE, LL. B.

HECTOR MCINNES, LL. B.

CHARLES H. CAHAN, B. A., LL. B.

*Dean of the Faculty*—PROFESSOR WELDON.

*Secretary of the Faculty*—PROFESSOR RUSSELL.

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## § XLVI.—Courses of Lectures.

The following Courses of Lectures to be given in the Session of 1901-02, will begin on the 4th of September, 1901, and end on the 21st of February, 1902 :

### CONSTITUTIONAL AND INTERNATIONAL LAW.

(*George Munro Professorship.*)

*Professor* ..... R. C. WELDON, K. C.

#### Constitutional Law.

*Two lectures per week.*

Subjects of lectures :

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

#### 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. History of the Law of Treason. 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.*

*Text-book:* Taswell-Langmead's 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. Select Cases upon the Conflict of Laws.

*Text-book* : Nelson's 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's International Law.

**CRIMES.**

*Lecturer* ..... PROFESSOR WELDON.

*Two lectures 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-book* : The Canadian Criminal Code, 1892.

**SHIPPING.**

*Lecturer* ..... PROFESSOR WELDON.

Subjects of lectures :

Registration of Shipping. Transfer. Mortgage. Bottomry and Respondentia. Charter Party. Bills of Lading. Collision. Damage. Salvage. Freight. Towage. General Average.

**CONTRACTS.**

*Professor* ..... B. RUSSELL, M. A., D. C. L., K. C., M. P.

*Two lectures per week.*

Subjects of lectures :

Definition of terms ; agreement, consideration, proposal, acceptance, promise, &c. Persons who may contract, Principal and agent. Disabilities arising from infancy, coverture, lunacy, intoxication, &c. Express and implied contracts. Verbal and written contracts. Specialties, Statutory requirements as to validity and authentication of contracts ; Statute of Frauds. Causes vitiating

agreements; mistake, fraud, duress, &c. Discharge of contracts, rescission, performance, payment, release, merger, &c. Leading cases.

*Text-books*: Finch's Cases, and Anson on Contracts.

### EQUITY JURISPRUDENCE.

*Lecturer* ..... PROFESSOR RUSSELL.

*One lecture per week extending over two years.*

Subjects of lectures:

Trusts, Mortgage, Frauds, Mistake, Specific Performance of Contracts, Administration of Assets, Election, Account, Discovery, Injunction.

*Text-book*: Smith, H. A.

### SALES OF PERSONAL PROPERTY.

*Lecturer* ..... PROFESSOR RUSSELL.

*One lecture per week.*

[1902-03.]

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.

*Text-book*: Benjamin on Sales.

### NEGOTIABLE INSTRUMENTS.

*Lecturer* ..... PROFESSOR RUSSELL.

*One lecture per week.*

[1901-02.]

Subjects of lectures:

Formal Requisites, Consideration. Indorsement and Transfer. Real and Personal Defences. Over-due Paper. Notice of Dishonor. Protest.

*Text-book*: McLaren on Bills.

### EVIDENCE.

*Lecturer* ..... MR. C. S. HARRINGTON, K. C.

*One lecture per week.*

[1902-03.]

Subjects of lectures:

Nature of Proof. Production and Effect of Evidence. Relevancy. Instruments of Evidence.

*Text-books*: Greenleaf on Evidence; Judicature Act and Rules.



**PARTNERSHIP AND COMPANIES.**

Lecturer.....MR. C. S. HARRINGTON, K. C.

*One lecture per week.*

[1901-02.]

Subjects of lectures :

Constitution. Liability of partners *inter se* and to third persons. Change of firm. Retirement of partners. Dissolution. Mining ventures. Joint-stock Companies. Canada Joint-stock Companies Act.

*Text-book*: Lindley on Partnership.

**REAL PROPERTY (First Year).**

Lecturer.....MR. GEORGE RITCHIE, LL. B.

**WILLS.**

Lecturer.....MR. GEORGE RITCHIE, LL. B.

*One lecture per week.*

Subjects of lectures :

WILLS.—History of Wills, Making of Wills, including Fraud, Mistake, Undue Influences, Contingent and Conditional Wills, Form and Execution of Wills, Revocation of Wills, Revival and Republication of Wills, Special Limitations and conditions in a Will, their effects and legality, Office of Executor and Administrator, Estate of Executors and Administrators, Debts of Deceased, Devises, Legacies.

**PRACTICE AND PROCEDURE.**

Lecturer.....MR. HECTOR McINNES, LL. B.

Subjects of lectures :

Judicature Act and Rules, General Principles of Pleading, and Rules of Practice.

Candidates for the Degree of LL. B. are not required to attend lectures or take the examination in Procedure.

**TORTS.**

Lecturer.....MR. CHARLES H. CAHAN, B. A., LL. B.

*One lecture per week.*

Subjects of lectures :

Definitions. Torts considered with references to Crimes and Contracts. Deceit. Slander and Libel. Malicious Prosecution. Conspiracy. Assault and Battery. False Imprisonment. Enticement and Seduction. Trespass to Property. Conversion. Violation of Water Rights and Rights of Support. Nuisance. Negligence.

*Text-books*: Bigelow, or Pollock.

§ XLVII. — **The Academic Year.** — The Academic year consists of one session. The session of 1901-02 will begin on the 4th of September, 1901, and end on the 28th of February, 1902.

§ XLVIII. — **Admission of Students.** — (1.) Students may enter the University by (a) entering their names in the Register, and (b) paying the prescribed fees.

(2.) Registered students may, on payment of the proper fees, enter any of the classes of the University.

(3.) Students who wish to obtain University Degrees must become undergraduates. They may become undergraduates by (a) passing the Matriculation Examination of the Arts Faculty or a recognized equivalent, (b) producing certificates of Articled Clerkship or the like in cases where they rely on having passed the preliminary law examinations in their several provinces, and (c) entering their names on the Register as Undergraduates.

(4.) Students who are not undergraduates are known as General Students.

§ XLIX. — **Degree of Bachelor of Laws.** — (1.) All candidates for the Degree of LL. B., are required to pass the Matriculation Examination of the Arts Faculty, or a recognized equivalent, to attend not less than five-sixth of the lectures given in each subject of the course of study, to pass the prescribed Examinations in the subjects of the three years course of study, and to argue at least two cases in the Moot Court.

(2.) Graduates and undergraduates in Arts of any recognized College or University, and articled clerks or law students who have passed the preliminary law examinations in any of the Provinces of the Dominion of Canada, in Newfoundland, or in any of the British West India Islands, shall be admitted to the standing of Undergraduates of the First Year in the Faculty of Law, without passing an examination.

*Students presenting themselves for the first time for registration as undergraduates in law must submit to the Dean their diplomas or certificates to establish their qualifications as graduates, undergraduates, or enrolled law students, respectively. Without such diplomas or certificates students cannot be registered as Undergraduates in law.*

(3.) Undergraduates of other Law Schools may, on producing satisfactory certificates of standing, be admitted to similar standing in this Law School if they are found qualified to enter the classes proper to their years. But if their previous courses of study have not corresponded to the course on which they enter in the University, they may be required to take extra classes.

### § L.—Course of Study for the Degree of LL. B.

- |                               |                                |
|-------------------------------|--------------------------------|
| <b>First Year.</b>            |                                |
| 1. Real Property.             | 4. Torts.                      |
| 2. Crimes.                    | 5. Constitutional History.     |
| 3. Contracts.                 |                                |
| <b>Second Year.</b>           |                                |
| 1. Equity.                    | 4. Constitutional Law.         |
| 2. Partnership and Companies. | 5. Shipping.                   |
| 3. Negotiable Instruments.    | 6. Wills.                      |
| <b>Third Year.</b>            |                                |
| 1. International Law.         | 4. Equity.                     |
| 2. Conflict of Laws.          | 5. Sales of Personal Property. |
| 3. Evidence.                  |                                |

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. The Course having been very considerably enlarged, the Faculty apprehend that students who are doing regular office work during session, will find it quite impossible to pass with credit the required examinations.

§ LI.—**Sessional Examinations.**—(1.) The Sessional Examinations will begin next Session on February 22nd, 1902.

(2.) Students are forbidden to bring any book or manuscript into the Examination Hall, except by direction of the Examiner, or to give or receive assistance, or to hold any communication with one another at the examinations. If a student violate this rule, he shall be excluded from the Sessional Examinations of the Session, and such other penalty shall be imposed as the Faculty may determine.

(3.) If an Undergraduate fail to pass in one or two subjects at the Sessional Examinations, he shall be allowed a supplementary Examination in such subject or subjects at the beginning of any subsequent Session.

(4.) If an Undergraduate fail to pass in more than two subjects at any Sessional Examination, he shall lose his Session.

(5.) Undergraduates who wish to present themselves at a Supplementary Examination, must give notice addressed to the Secretary of the Faculty, Dalhousie Law School, Halifax, on or before August 25th, 1901.

(6.) The Supplementary Examination for the present year will begin September 4th, at 3 P. M. Fee \$5, payable on the day of the Examination.

§ LII.—**Moot Courts.**—Moot Courts are held every week.

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.

§ **LIII.—Residence and Discipline.**—The regulations as to residence and discipline in this Faculty are the same as in the Faculty of Arts.

§ **LIV.—Academic Costume.**—Bachelors of Law are entitled to wear gowns and hoods. The gowns are similar to those worn by Barristers-at-Law. The hoods are of black silk stuff, with a lining of white silk brodered with gold coloured silk.

§ **LV.—The Library.**—The Library is in charge of a Librarian, who will endeavour to make its resources available to the students. The Library will be found to contain almost all the reports an undergraduate will have occasion to consult. Students text-books are not found in the Library.

§ **LVI.—Fees.**—The following are the fees payable by students of the Faculty of Law. *They are in all cases payable in advance.*

Students are requested to pay their Class Fees and sign the University Register on Tuesday, 3rd September, 1901, at 10 A. M., in the office of the Law School.

Registration Fee, payable only by General Students . . . . .	\$ 2 00
For use of Gymnasium, by all male Students taking more than one class . . . . .	1 50
Fee for each class attended, per Session, payable by General Students . . . . .	10 00
Fee for each class attended, per Session, payable by students of the Affiliated Course . . . . .	6 00
Fee for the classes of the First Year, payable by undergraduates . . . . .	40 00
Fee for the classes of the Second Year, payable by undergraduates . . . . .	40 00
Fee for the classes of the Third Year, payable by undergraduates . . . . .	40 00
Fee for LL. B. diploma, which is payable before the final examination, and will be returned in case of failure . . . . .	10 00
Fee for the Supplementary Examination . . . . .	5 00

Students of any year are permitted to attend lectures in the subjects of an earlier year without extra charge.

*Students will not hereafter be admitted to the Lecture rooms unless they have paid their class fees.*

# Faculty of Medicine.

THE PRESIDENT (*ex officio*).

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*Dean of the Faculty:* DR. SINCLAIR.

*Secretary of the Faculty:* DR. LINDSAY.

Correspondence should be addressed:

*"The Secretary, Faculty of Medicine,  
Dalhousie College, Halifax."*

§ LVII.—**Courses of Instruction.**—1. Instruction is provided by the University in the following subjects of the Medical Curriculum:—

## I.—CHEMISTRY.

(*McLeod Professorship.*)

*Professor*.....E. MACKAY, Ph. D.

### **Junior Chemistry Class.**

*Mondays, Wednesdays and Fridays, 9—10 A. M.*

CLASS WORK.—The lectures in this class deal in an elementary way with the principles of general chemistry. In the earlier part of the course the characteristic properties of common acids and bases are studied, and then the chemistry of fire, of water and of air, the order of historical development being followed as nearly as possible. When some acquaintance with chemical facts has thus been gained the fundamental laws of combination are taken up and the atomic theory and chemical formulæ are introduced. Chlorine, nitrogen, carbon and some of their typical compounds are then studied, and thereafter the principal remaining elements each in connection with the group of elements in the periodic system to which it belongs. Examinations, oral or written, are held fortnightly, and occasional written exercises are required.

LABORATORY WORK.—Every student is required to devote at least three hours a week to laboratory work. The laboratory course 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; simple quantitative experiments are performed; and some time is devoted to elementary work in qualitative analysis.

*Book recommended:* Remsen's *Introduction to the Study of Chemistry* (Macmillan & Co.) for both class and laboratory work.

#### Senior Chemistry Class.

*Tuesdays, Thursdays and Saturdays, 9—10 A. M.*

CLASS WORK.—The subjects of study in this class fall into two sub-divisions: pure chemistry, taken up on Tuesdays and Thursdays, and the applications of chemistry to medicine, on Saturdays.

The subjects of study in pure chemistry are: determination of atomic and molecular weights; constitution of acids, bases and salts; classification and properties of the principal metals; compounds of carbon—their purification and analysis; the paraffins and their chief derivatives; ethylene; acetylene; benzene and its chief derivatives.

The subjects of study in medical chemistry are: the chemical properties and detection of the more commonly occurring poisons; the proximate principles of the body and of food; typical foodstuffs as milk, flour, bread, meat; the blood; the digestive fluids and digestion; the principal animal secretions, especially urine; the quantitative estimation of glucose, albumen, urea.

LABORATORY WORK.—All members of the class are required to devote at least three hours a week to laboratory work. This will include qualitative analysis and the preparation of pure reagents. Practice is given in the identification of the chief inorganic compounds of the following elements: arsenic, antimony, tin, bismuth, copper, mercury, lead, silver, iron, chromium, aluminium, zinc, magnesium, barium, calcium, potassium, sodium, chlorine, bromine, iodine, sulphur, nitrogen, phosphorus, carbon, boron; and the identification of the following organic compounds (not more than one such being present): acetic, tartaric, oxalic, hydrocyanic, salicylic, and citric acids and their salts, alcohol, chloroform, chloral, glucose, cane sugar, starch, phenol, quinine, morphine, strychnine.

For students who can devote sufficient time to the subject a more extended laboratory course is given, including, in addition to the preceding, the preparation and study of typical organic compounds and the quantitative estimation of the chief constituents of urine.

*Books recommended:* For class use, Roscoe and Harden's *Inorganic Chemistry for Advanced Students* (Macmillan & Co.); Remsen's *Compounds of Carbon* (Macmillan & Co.); Halliburton's *Essentials of Chemical Physiology* (Longmans). For reference: Remsen's *Inorganic Chemistry, Advanced Course*, (Holt & Co.). Reese's *Medical Jurisprudence and Toxicology* (Blakiston, Son & Co.). Hammarsten's *Text-book of Physiological Chemistry*, translated by Mandel (Wiley & Sons).

#### CHEMICAL LABORATORY.

The chemical laboratory accommodates about one hundred students. A reference library is placed in the laboratory for the use of students doing analytical work.

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 apparatus they have broken or injured.

The laboratory is open daily, Saturdays excepted, from 10 a. m. to 1 p. m., and from 3 to 5 p. m. on Mondays and Wednesdays.

## II.—ELEMENTARY BIOLOGY.

### (A.)—BOTANY.

Lecturer.....

*Mondays, 2-4 P. M.*

The course in Botany will have special reference to the following subjects: Protoplasm and Plant-cells, the Tissue and Tissue Systems of Plants, Morphology of the Plant-body, Plant Physiology, the Principles of Classification and the Laws of Distribution, the Proto-phyta (Schizophyceæ), the Phycophyta (Chlorophyceæ and Phæophyceæ), the Carpophyta (Rhodophyceæ, Ascomycetæ and Basidiomycetæ specially), the Bryophyta (Mosses and Liverworts), the Pteridophyta (Ferns, Horse-tails and Club-mosses), the Anthophyta (specially the Coniferæ, Gramineæ, Orchidaceæ, Liliaceæ, Urticaceæ, Labiataæ, Compositæ, Umbelliferæ, Rosaceæ, Leguminosæ, Cruciferæ, Ranunculaceæ). The Morphology and life history (the Anatomy, Histology and Development) of at least two common or representative species of each group of plants named above, in minute detail.

General attention will be given to the native *flora* of the province, with special notice of foreign as well as native species of interest from economic, medicinal or injurious properties.

The preliminary study of Botany as indicated in Grade IX of the Public School Course, and especially the formation of a local collection of plants, even if unnamed and unclassified, will be an advantage to any student entering upon the course.

Practical instruction will be given in the collecting, drying and mounting of specimens, the use of the microscope, the preparing of microscopic sections, and the general dissection of plants; and all students will be required to present a collection of at least 100 plants representing the local flora examined by them, together with their notes and drawings of microscopic work done during the session, as a portion of their terminal examination. The use in class of a number of microscopes will be granted the students under the care and direction of the lecturer; but a hand lens, glass slides, cover glasses, scalpels and other apparatus, and books necessary for each student, shall be supplied by each for himself.

### (B.)—ZOOLOGY.

Lecturer.....A. HALLIDAY, M. B., C. M.

*Tuesdays and Thursdays, 2.30-3.30 P. M.*

The work of the class will consist of a course of lectures supplemented by practical work.

The following subjects will be treated of in the lectures:—Organic and Inorganic Bodies; Life, Vital Action. &c.; Differences between Plants and Animals, Morphology, Physiology, Differences

between Animals, Specialisation of Function, Morphological Type, Von Bär's Law of Development, Origin of Species, Homology, Analogy, Reproduction, Distribution in Time and Space, Evolution, Classification. Also the general characters of the several subkingdoms will be treated of as fully as possible.

The practical part of the course will consist of Dissections by students themselves, and demonstrations, microscopic, &c,

The object of the class will be to give such a comprehensive idea of the Animal Kingdom, as will form a good basis for anyone wishing to prosecute still further the study of Biology, or Comparative Anatomy and Physiology.

*Text Books:* The text book will be announced at the beginning of the Session *Reference Text Books:* *Anatomy of Vertebrates and Invertebrates*, Huxley. 2 vols.; *Text Book of Zoology*, Claus & Sedgewick, 2 vols.

### III.—MEDICAL PHYSICS.

*Professor*.....J. G. MACGREGOR, D. SC., F. R. S.

*Tuesdays and Thursdays, 11 A. M.—12 M.*

In this class a rapid survey of the subjects of Experimental Physics is taken, the sections treated being:—The properties of solids and fluids (including the elements of dynamics); sound; heat; light; electricity and magnetism. The mode of treatment is inductive and quasi-historical, the generalizations and theoretical conceptions being worked up to experimentally but not systematically developed by deduction. The amount of mathematical knowledge assumed is therefore no greater than may be acquired in Grade B of the High School.

Members of the class, though required to work up the subjects treated in the lectures, are not expected to carry on any extensive private reading. But they will be expected to refer to works recommended by the lecturer in sections of the subject which have important practical application in medical study.

*Books recommended for reference:* Daniell's *Physics for Students of Medicine* (Macmillan & Co.) Robertson's *Physiological Physics* (Cassell & Co.)

2. Students wishing to attend the above courses may do so either as General Medical Students without preliminary examination, or as regular Undergraduates in Medicine. In either case they must enter their names in the University Register at the beginning of the Session. By reference to §§VII and XXIX Undergraduates in Arts and Science will see how they at the same time may be registered with the Medical Faculty and so secure the benefit of certain classes of the Arts and Science Courses, as regular Undergraduates in Medicine.

3. In other subjects the necessary classes may be attended at the Halifax Medical College or at any other College or School of Medicine recognized by the Senate.

4. Attendance on classes by those registered as General Medical Students will not qualify for Degree Examinations in this Faculty.



§ LVIII.—**The Academic Year.**—The Academic year consists of one session of eight months duration. The Session of 1901–1902 will begin on Thursday, August 29th, 1901, and end on Tuesday, April 29th, 1902.

In order to qualify for Degree Examinations the Medical Academic year must include attendance on at least two of the following courses :—Anatomy, Practical Anatomy, Chemistry, (including a laboratory course of not less than three hours per week), Physiology, Materia Medica, Surgery, Obstetrics. Gynæcology and Diseases of Children, Medicine ; or one such course and two of the following: Elementary Biology, Histology, Medical Jurisprudence and Hygiene, Pathology (including Bacteriology), Therapeutics, Clinical Medicine, Clinical Surgery. Certificates indicating less than 90 per cent. of attendance upon any class will not be accepted without valid reason for absence being shown.

§ LIX.—**Degrees.**—Two Medical Degrees are conferred by this University, 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.

§ LX.—**Matriculation Examination.**—1. Candidates for medical degrees must give evidence of having obtained a satisfactory general education, by presenting certificates of having passed, before entering on the course of study qualifying for the degrees, either the Preliminary Examination of the Provincial Medical Board of Nova Scotia, the Junior Matriculation Examination of this University, with Latin as one of the languages selected, or some other examination recognized by the Board as sufficient\*

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

3. Candidates who may have passed in all but one of the subjects required for the Matriculation Examination of the Provincial Medical Board either before the Board's Examiners or at any of the recognized Examinations indicated above, provided they shall have made at least 25% in such subject, may enter as undergraduates, but will subsequently be required to comply with the Board's regulations as regards the remaining subject of Examination before being admitted to the classes of the second year

§ LXI.—**Degree Examinations.**—1. Candidates for the Degrees of M. D. and C. M. shall be required to pass two

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\*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, 241 Pleasant Street, Halifax.

main examinations—the Primary and the Final M. D., C. M. examinations—and to have satisfied at the dates of the examinations certain conditions as to fees, attendance on classes, etc.

2. Tickets of admission will be issued to all candidates who have satisfied these requirements of the Faculty, which tickets shall be produced at each examination.

3. At all examinations a minimum of 50% in each subject will be required to obtain a Pass, except under the conditions specified in § LXIII, 4.

4. Should the candidate fail to pass or to hand in a paper in any subject or subjects, his fee will not be returned to him, but he will be permitted a *supplementary* examination in such subject or subjects on payment of \$5.00 for each subject, with or without evidence of further attendance on said subject or subjects as the Faculty may direct.

5. Except in the case of students taking one or other of the so called “affiliated” courses as referred to in § LVII., 2, no candidate, unless by *special* permission of the Faculty, will be allowed to present himself for examination in selected subjects, but must in the first instance, take each section as hereafter defined, (§§ LXII-III) as a whole.

6. A candidate who has been prevented by exceptional circumstances from presenting himself for examination in any subject or subjects, may by special permission of the Faculty be allowed a *special* examination in such subject or subjects, but such examination shall only be allowed at the dates specified in the University Almanac for the supplementary or the regular examinations, and the fee shall be \$5.00 for each subject of examination.

7. Candidates who have been granted supplementary examinations, will be required to pay the examination fee, whether they take the examination in the Autumn or at the time of the regular April examinations.

#### § LXII. — Primary M. D., C. M. Examination.—

1. This examination shall consist of two parts ; Sect. A to be passed at the end of the First Year, and Sect. B at the end of the Second Year.

##### (A). PRIMARY EXAMINATION, SECT. A.

(1.) This examination shall include Anatomy, Chemistry, Elementary Biology, and Medical Physics, to the extent indicated in the following synopsis :

##### Anatomy.

A written examination on Osteology, including general physical character, chemical composition and coarse structure of bone. Ossification. Arthrology, classification of Joints, structure and mechanism of the most important, (hip, knee, shoulder, elbow, ankle, etc.)

**Chemistry.**

Elementary general chemistry, as in the course of the Junior Chemistry Class, outlined on pp. 99, 100.

**Elementary Biology.**

Candidates will be expected to show a practical acquaintance with the topics indicated as forming the subject matter of the courses of lectures and instruction in Botany and Zoology, outlined at pp. 101, 102,

**Medical Physics.**

A written examination on the subject-matter included under this heading at p. 102.

(2.) Except as hereinafter provided, (sub-sect. 3), candidates for this examination shall be required to produce certificates to the following effect :

(a) Of having passed the Preliminary Examination of the Provincial Medical Board of Nova Scotia, the Junior Matriculation Examination of this University with Latin, or other examination recognized as sufficient, at least one academic year previously, and of having completed their sixteenth year before the passing of said examination.

(b) Of having, after passing the Preliminary or Matriculation Examination, attended either in this University, in the Halifax Medical College, or in some other University or College approved by the Senate, during at least one medical session of eight months duration the following courses of lectures and instruction, viz. : *Anatomy, (Osteology and Arthrology)* a course of at least 75 lectures and demonstrations with 10 hours laboratory work per week for six months ; *Chemistry*, a course of at least 75 lectures with a laboratory course of not less than three hours per week for six months ; *Elementary Biology*, a course of at least 100 hours of lectures and laboratory work ; *Medical Physics*, a course of at least 50 lectures.

(3) Exemption from further class attendance in Junior Chemistry, Botany and Zoology, and also from Examination in any or all of these subjects may be allowed on production of satisfactory certificates. These equivalent courses and examinations may have preceded the Preliminary Examination.

**(B.) PRIMARY EXAMINATION, SECT. B.**

(1) This examination shall include Anatomy, Physiology and Histology, and Chemistry, to the extent indicated in the following synopsis :

**Anatomy.**

This examination will be partly written and partly *viva voce*. The paper may include questions in Descriptive and Regional Anatomy, Surgical and Medical Anatomy. At the oral examination, candidates will be examined on the skeleton, recent dissections, models, preparations, etc.

**Physiology and Histology.**

A written and an oral examination on: (a) The physiology of digestion, absorption, circulation, respiration, secretion, nutrition, animal heat, animal motion; the functions of the nervous system and sense organs; reproduction and development.

(b) The composition of food, and of the tissues, secretions, excretions, and other fluids of the body.

(c) Histology.

At the oral examinations microscopical preparations of the tissues and organs of the body will also be submitted for identification and description.

**Chemistry.**

Inorganic, organic and medical chemistry as in the course of the Senior Chemistry Class, outlined on page 100. The examination will include: (a) A written paper. (b) A practical examination in the laboratory. (c) An oral examination, in which questions may be put to candidates upon the entire work of the Junior and Senior courses.

(2.) Candidates for this examination shall be required to produce certificates to the following effect:

(a) Of having passed the Preliminary Examination, or other examination recognized as sufficient, at least two academic years previously, and of having completed their sixteenth year before the passing of said examination.

(b) Of having, after passing the Preliminary or other equivalent examination, attended either in this University, in the Halifax Medical College, or in some other School of Medicine approved by the Senate, during at least two medical sessions each of eight months' duration, the courses of lectures, etc., prescribed above for Sect. A. of the primary examination, and having also attended the following, viz.: *Senior Anatomy*, a course of at least 75 lectures and demonstrations with 10 hours laboratory work per week for six months; *Senior Chemistry*, a course in Organic and Medical Chemistry of 75 lectures with a laboratory course of not less than 3 hours per week for six months; *Physiology* a course of at least 75 lectures; *Histology*, a course of at least 75 hours of lectures and laboratory work.

(c) Of having passed in the subjects of the first part of the Primary Examination either at this University, at the Halifax Medical College, or at some other Medical College specially recognized by the Senate or under (A) 1 (3).

(d) Candidates who have not passed Sect. A. of the Primary Examination may by special permission of the Faculty be allowed to complete their Primary Examination in both sections at the same time.

(e) In Chemistry, partial exemption as to class attendance and examination may be allowed on production of satisfactory certificates.

2. The Primary M. D., C. M. Examination will be held in the second and third weeks in April. Candidates are required to hand in their applications and to transmit as far as possible

the certificates specified above for Sect. A or Sect. B, as the case may be, to the Secretary of the Faculty at least fourteen days before the date of the examination, and the remainder of the required certificates not less than two days before the date of the examination, to enter their names in the Register of Undergraduates of the University before the date of the examination, and to pay before the date of the examination, one-sixth of the amount of the graduation fee in the case of candidates for Sect. A, and one-third of the graduation fee in the case of candidates for Sect. B.

§ LXIII.—**Final M. D., C. M. Examination.**—1. This Examination shall also consist of two parts, one to be passed at the end of the third and the other at the end of the fourth Academic Year.

(A.) Final Examination, Sect. A.

(1.) This Examination will include the following subjects:—*Materia Medica*, Pharmacy, and Therapeutics; Pathology and Bacteriology; Medical Jurisprudence and Insanity, and Hygiene.

**Materia Medica, etc.**

This examination will be partly written and partly oral. The candidates will require to possess a knowledge of:

(a) The general nature and composition, and the most important physical and chemical characters of the Pharmacopœial drugs, named in the annexed Schedule.

(b) The composition of the Pharmacopœial preparations of these drugs, and the process employed in making them.

(c) The doses, therapeutical uses and modes of administration of these drugs and their preparations; writing prescriptions.

At the *oral* examination candidates will also be required to recognize the drngs indicated by *italics* in the annexed Schedule:

Liquor Chlori; *Calx Chlorinata*; Liquor Sodæ Chlorinatæ.

Bromum; Ammonii Bromidum; *Potassii Bromidum*; Sodii Bromidum. *Iodum*; *Potassii Iodidum*; Sodii Iodidum; Plumbi Iodidum.

*Sulphur Sublimatum*; *Sulphur Præcipitatum*; Calx Sulphurata; Potassa Sulphurata.

*Phosphorus*; Calcii Phosphas; Sodii Phosphas; *Ferri Phosphas*; Calcii Hypophosphis; Sodii Hypophosphis.

Acidum Hydrochloricum; Acidum Nitricum; Acidum Sulphuricum. Acidum Aceticum; Acidum Citricum; Acidum Tartaricum.

Acidum Boricum; Acidum Sulphurosum.

*Acidum Hydrocyanicum Dilutum.*

Liquor Ammoniaë; Liquor Potassæ; Liquor Sodæ; Potassa Caustica; Soda Caustica.

*Ammonii Carbonas*; *Ammonii Chloridum*; Liquor Ammonii Acetatis. Potassii Bicarbonas; Potassii Sulphas; Potassii Chloras; Potassii

Tartras Acida; *Potassii Permanganas.*

Sodii Bicarbonas; Sodii Sulphas; Sodii Nitris; Borax.

Calx; Calcii Hydras; Creta Præparata; Calcii Carbonas Præcipitata.

Magnesia; Magnesii Carbonas; *Magnesii Sulphas.*

*Alumen*; *Alumen Exsiccatum.*

Zinci Oxidum; Zinci Chloridum; *Zinci Sulphas.*

*Cupri Sulphas.*

Argenti Nitras.

*Hydrargyrum*; *Hydrargyri Oxidum Flavum*; *Hydrargyri Oxidum Rubrum*; *Hydrargyri Subchloridum*; *Hydrargyri Perchloridum*; *Hydrargyri Iodidum Rubrum*; *Hydrargyrum Ammoniatum*; *Liquor Hydrargyri Nitratis Acidus*.

*Plumbi Oxidum*; *Plumbi Acetas*; *Liquor Plumbi Subacetatis*.

Antimonium Tartaratum.

*Acidum Arseniosum*; *Ferri Arsenias*; *Sodii Arsenias*; *Arsenii Iodidum*; *Liquor Arsenii et Hydrargyri Iodidi*.

*Bismuthi Subnitras*; *Bismuthi Carbonas*; *Bismuthi Citras*.

*Ferrum*; *Ferri Sulphas*; *Ferri Sulphas Granulata*; *Ferri Sulphas Exsiccata*; *Syrupus Ferri Subchloridi*; *Ferri Carbonas Saccharata*; *Syrupus (et Pilula) Ferri Iodi*; *Liquor Ferri Acetatis*; *Liquor Ferri Perchloridi*; *Liquor Ferri Pernitratis*; *Liquor Ferri Persulphatis*; *Ferri Peroxidum Hydratum*; *Liquor Ferri Dialysatus*; *Ferri et Ammonii Citras*; *Ferri et Quininæ Citras*; *Ferrum Tartaratum*; *Ferrum Redactum*.

*Alcohol æthylicum*; *Spiritus Rectificatus*; *Spiritus Tenuior*.

*Æther*; *Chloroformum*; *Iodoformum*.

*Chloral Hydras*; *Butyl Chloral Hydras*; *Paraldehydum*; *Sulphonal*.

*Amyl Nitris*; *Tabellæ Nitroglycerini*; *Liquor Trinitrini*; *Spiritus Ætheris Nitrosi*.

*Acetanilidum*; *Phenacetin*; *Phenazonum*.

*Collodium*.

*Acidum Carbolicum*; *Acidum Salicylicum*; *Sodii Salicylas*.

*Aconiti Radix et Folia*; *Aconitina*.

*Opium*; *Morphinæ Hydrochloras*; *Morphinæ Acetas*; *Morphinæ Sulphas*; *Liquor Morphinæ Bimeconatis*; *Apomorphinæ Hydrochloras*; *Codeina*.

*Coca*; *Cocainæ Hydrochloras*.

*Jaborandi*; *Pilocarpinæ Nitras*.

*Quassia Lignum*; *Calumbæ Radix*; *Gentianæ Radix*.

*Physostigmatis Semen*; *Physostigmina*.

*Caffeina*; *Caffeinæ Citras*.

*Conii Fructus et Folia*.

*Asafetida*; *Ammoniacum*; *Myrrha*; *Guaiaci Resina*.

*Cinchonæ Cortex*; *Cinchonæ Rubræ Cortex*; *Quininæ Sulphas*; *Quininæ Hydrochloras*.

*Salicinum*.

*Ipecacuanha*; *Senegæ Radix*.

*Glycerinum*.

*Nux Vomica*; *Strychnina*.

*Belladonnæ Radix et Folia*; *Atropina*; *Atropinæ Sulphas*; *Hyoscyami Folia*; *Stramonii Semina et Folia*; *Homatropinæ Hydrobromas*.

*Cannabis Indica*.

*Digitalis Folia*; *Strophanthus*.

*Oleum Ricini*; *Oleum Crotonis*; *Aloe Barbadenis*; *Aloe Socotrina*; *Aloin*; *Rhamni Purshiani Cortex*; *Colocynthidis Pulpa*; *Elatarium*; *Elaterinum*; *Jalapa*; *Podophylli Rhizoma*; *Rhei Radix*; *Senna Alexandrina et Indica*; *Camphora*; *Oleum Terebinthinæ*.

*Acidum Tannicum*; *Acidum Gallicum*; *Kino*; *Catechu*; *Hamamelidis Cortex et Folia*.

*Acidum Benzoicum*.

*Copaiba*. *Cubeba*. *Buchu Folia*.

*Colchici Cormus et Semina*.

*Scilla*.

*Filix Mas*. *Santoninum*.

*Ergota*.

*Oleum Morrhuæ*. *Cantharis*.

**Medical Jurisprudence and Insanity, and Hygiene.**

The Examination will be partly written, partly oral. Candidates will be examined on the following topics :

*Forensic Medicine.*

- I. Examination of Persons found Dead, with reference to :—(1) Identification ; (2) Time of Death ; (3) Cause of Death.
- II. Violent causes of Death :—(1) Drowning ; (2) Strangulation ; (3) Suffocation ; (4) Mechanical Injuries and Wounds.
- III. 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 ; Mental Capacity in relation to Criminal Responsibility, Contracts, and Wills ; Malpractice, and Neglect of Duty.
- V. Forms of Insanity. Examination of persons supposed to be insane. The Lunacy Laws in so far as they affect the Medical Practitioner when signing Certificates of Lunacy.

*Hygiene.*

- I. WATER, in its relation to Health and Disease :—(1) The Character and Classification of Drinking Water. (2) The 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 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 in 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.

## Pathology and Bacteriology.

The Examination will be partly written, partly *viva voce*. Candidates will be expected to possess a knowledge of:—

(a) *General Pathology*, including Degenerative Processes, Inflammation, Morbid Growths, etc.

(b) *General Etiology*, with reference to Parasitic and Infective Diseases.

(c) *Systematic Pathology*, the more important diseases of the principal systems and organs of the body.

(d) *Bacteriology*, to include the General Morphology and Life History of Micro-Organisms; Characters of Organisms Pathogenic to the Human Subject, and their modes of producing diseases, etc.

At the oral examination candidates will be examined on gross and microscopical preparations, and will be expected to possess a knowledge of the Preparation of Culture Media, Methods of Isolation and Cultivation, Staining, Separation of Bacterial Products, Inoculation.

(2.) Candidates for this examination shall be required to furnish certificates to the following effect, viz. :

(a) Of having passed the Preliminary Examination, or other examination recognized as sufficient, at least three academic years previously, and of having completed their sixteenth year before the passing of said examination.

(b) Of having, after passing the Preliminary or other equivalent examination, attended either in this University, in the Halifax Medical College, or in some other School of Medicine approved by the Senate, the courses of lectures, etc., prescribed above for candidates for the Primary M. D., C. M. Examination.

(c) Of having passed the Primary M. D., C. M. Examination at this University, or of having, subject to the regulations of § LXII, passed the same examination at the Halifax Medical College, or at some other Medical School or College specially recognized by the Senate.

(d) Of having, after passing the Preliminary Examination, attended at the Halifax Medical College, or at some other College or School of Medicine approved by the Senate, during at least one medical session of eight months' duration, the following courses of lectures and instruction, viz.: *Materia Medica*, a course of at least 75 lectures; *Therapeutics*, a course of at least 25 lectures; *Medical Jurisprudence (including Insanity)*, a course of at least 50 lectures and demonstrations; *Hygiene*, a course of at least 25 lectures and demonstrations; *Pathology and Bacteriology*, a course of at least 150 hours of lectures, demonstrations and laboratory work.

(e) Either of having, after passing the Preliminary Examination, attended at the Halifax Medical College, or at



some other College, approved by the Senate, one course of instruction of at least thirty lessons in Practical Dispensing, or of having, after passing the Matriculation Examination, had three months practice in the dispensing of drugs with a registered apothecary or dispensing medical practitioner.

(†) Of having, after passing the Preliminary Examination, attended the Post Mortem Examinations in a recognized Hospital for a period of at least six months, during which they have received practical instruction in the methods of making post mortem Examinations and in framing Reports. Such certificate to be accompanied by reports of at least six autopsies which the candidate has attended.

#### (B). FINAL EXAMINATION, SECT. B.

(1.) This Examination will include the following subjects:—Surgery, Clinical Surgery, Medicine, Clinical Medicine, Obstetrics and Diseases of Women and Children.

##### Surgery.

The Examination in this subject will be partly written and partly *viva voce*. The candidates will be expected to possess a knowledge of the Principles and Practice of Surgery, of Surgical Pathology, Surgical Anatomy, and Operative Surgery. They will also be examined on the more common Diseases of the Skin, of the Eye, Ear, Throat, and Nose.

##### Clinical Surgery.

This Examination will be partly practical and partly oral. Cases will be submitted for diagnosis and treatment. Candidates will also be examined on the application of Splints and Bandages, and on the uses of Surgical Instruments and Appliances.

##### Medicine.

In this subject there will be a written and an oral examination on the Clinical History, Causes, Diagnosis, Prognosis and Treatment of the Diseases of the different Systems and Organs of the Body. The examination will also include Infectious Diseases, Constitutional Diseases, Mental Diseases, and Diseases of the Nervous System. Candidates may also be questioned on Medical Anatomy and on Therapeutics.

##### Clinical Medicine.

The Examination in Clinical Medicine will be partly practical and partly oral. Patients will be submitted for Examination, Diagnosis and Treatment. Examination of specimens of Urine, Sputa, etc., will be required.

##### Obstetrics and Diseases of Women and Children.

In these subjects there will be a written and an oral examination, which will embrace the following:—

(a.) The Anatomy and the Physiology of the Female Organs of Reproduction.

- (b.) The Physiology, Pathology and Therapeutics of Pregnancy.
- (c.) Parturition, natural and morbid.
- (d.) Hygiene, Pathology and Therapeutics of the Puerperal State.
- (e.) Hygiene, Pathology and Therapeutics of Infancy and Childhood.
- (f.) Special Pathology and Therapeutics of the Female Organs of Reproduction.

At the oral examination, candidates may also be questioned on Gynæcological Operations and the use of Instruments and Appliances.

(2.) Candidates for this examination will be required to furnish certificates to the following effect, viz. :

(a.) That they have completed their twenty-first year, or that they will have done so, on or before the day of graduation. This certificate shall be signed by themselves, and shall be after the following form :

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 years before the next graduation day), and that I am not (or shall not be at that time) under articles as a pupil or apprentice to any Physician, Surgeon, or Apothecary.

(Signed),

A. B.

(b.) Of having passed the Primary M. D., C. M. Examination at this University, or having subject to the regulations of § LXII, passed the same examination at the Halifax Medical College, or at some other Medical School or College specially recognized by the Senate.

(c.) Of having passed the First part (Sect. A) of the Final Examination, in Materia Medica, Pharmacy, and Therapeutics; Medical Jurisprudence and Insanity, and Hygiene; and Pathology and Bacteriology.

(d.) Candidates who have not passed Sect. A of the Final Examination may by special permission of the Faculty be allowed to complete their Final Examination in both sections at the same time.

(e.) Of having, after passing the Preliminary Examination, attended during four academic years, (as in § LVIII) at least two courses of lectures per year in subjects of the Primary and Final M. D., C. M. Examinations, either in this University or at the Halifax Medical College, or at some other Medical School or College recognized by the Senate.

(f.) Of having, after passing the Preliminary Examination, attended at the Halifax Medical College, or at some other College or School of Medicine approved by the Senate, during at least two medical sessions each of eight months' duration (a) the courses of lectures, etc., prescribed for Sect. A. of the Final

Examination, and (b) having also attended two courses of at least 75 lectures in each of the following, viz. : *Surgery, Medicine, Obstetrics and Diseases of Women and Children, Clinical Surgery, Clinical Medicine*; and one course of at least 25 lectures and demonstrations in *Ophthalmology, Otology and Laryngology*.

(g.) Of having, after passing the Preliminary Examination, attended a course in Operative Surgery, and of having performed operations on the dead body to the satisfaction of the Teacher.\*

(h.) Of having, after passing the Preliminary Examination, attended during at least twelve months the practice of the Victoria General Hospital, or that of some other Hospital approved by the Senate.

(i.) Of having, after passing the Preliminary Examination, attended during at least six months, the practice of a Dispensary, or of the out-patient department of a General Hospital.

(j.) Of having, after passing the Preliminary Examination, attended at a Hospital or Dispensary courses of practical instruction of at least 25 lessons or demonstrations each in Medicine and in Surgery, including:— the methods of examining various organs and other parts of the body, in order to detect the evidence of disease or the effect of accidents—the employment of instruments and apparatus used in diagnosis or treatment, the examination of the Urine and other secretions, and of morbid products.

(k.) Of having, after passing the Preliminary Examination, served at least six months as a dresser in the Surgical wards, and six months as a Clinical Clerk in the Medical wards of a recognized Hospital, or otherwise giving satisfactory evidence of practical work in Surgery and Medicine.\*

(l.) Of having, after passing the Preliminary Examination, attended for at least six months the practice of a lying-in hospital, approved by the Senate, and of having attended at least four cases of midwifery, under a recognized practitioner.\*

(m.) Of having, after passing the Preliminary Examination, received instruction and attained proficiency in the practice of Vaccination, under a recognized medical practitioner. \*

2. The final M. D., C. M. Examination will be held in the second and third weeks in April. Candidates are required to

\* Blank certificates will be issued to candidates, which must be filled out and signed by the proper authorities.

hand in their applications and to transmit as far as possible the certificates specified above for Section A or Section B, as the case may be, to the Secretary of the Faculty, at least fourteen days before the date of the Examination, and the remainder of the required certificates not less than two days before the date of the Examination, to enter their names in the register of undergraduates before the date of the examination, and to pay before the date of the examination, one-sixth of the amount of the graduation fee in the case of candidates for Section A, and one-third of the graduation fee in the case of candidates for Sect. B.

3. Candidates who may have been exempted from passing the Primary Examination under the provisions of § LXIII, (2), (b) will be required to pay the balance of the full graduation fee before being admitted to the last part of the Final Examination.

4. A candidate having failed to make 50% in any subject of Sect. B of the Final Examination will also be required to pass again in any other subject in which he may have made less than 60% with or without evidence of further attendance on such subject or subjects as the Faculty, in their discretion, may determine. At all such Supplementary Examinations candidates are required to make at least 60% in each subject.

**§ LXIV. — Medals and Prizes.**—MEDICAL FACULTY GOLD MEDAL.—This Medal will be awarded on graduation to the student who stands first at the Final M. D. C. M. Examination (Section B).

DR. LINDSAY'S GOLD MEDAL.—This Medal will be awarded to the student who stands first among those taking Section B of the Primary M. D. C. M. Examination.

THE SIMSON PRIZE.—An Annual Prize of twenty-five dollars is offered by Frank Simson, Esq., to be awarded to the student who, at the end of his third year, has passed the best examinations in Chemistry, Practical Chemistry, *Materia Medica*, and Therapeutics.

CHEMISTRY PRIZE.—N. E. MacKay, Esq., M. D., of Halifax, offers an annual prize of Forty Dollars in Chemistry. The prize is open for competition to medical students of the Senior Chemistry Class.

**§ LXV. — Residence.**—All students are required to report their places of residence to the President on or before the day appointed in the University Almanac (October 14th.)

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



# Institutions.

## THE UNIVERSITY LIBRARIES.

In the Calendar for 1869-70 a section on the Library, evidently drafted by Prof. Macdonald, Secretary of the Senate, appears for the first time. "Through the liberality of a number of friends of the College, a library has been formed, which consists of a careful selection of the most useful works in each department of study, embraced in the University course. There are likewise a few works in general literature. The library embraces in all upwards of 1100 volumes." Ten years later the number of books did not exceed 2000; twenty years afterwards there were but 3250 volumes; thirty years later 8050 volumes were reported; to-day the Arts Library contains about 10360 volumes and about 2400 pamphlets.

Within a year of the organization of the Faculty of Law, 3000 volumes were presented for a Law Library. This Library is under the control of the Law Faculty and now numbers about 6500 volumes. See § LV. of the Calendar relating to that Faculty.

The Arts 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 a course of Lectures on Shakspeare; 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.; and the EDWIN P. ROBINS MEMORIAL COLLECTION of Philosophical books; also the following CLASS MEMORIAL COLLECTIONS:—

- Class of 1894 : Classical Dictionaries.
- Class of 1895 : Sophocles' Plays and Bacon's Works.
- Class of 1896 : Jesuits' Relations.
- Class of 1897 : Dryden's Works, and Economics.
- Class of 1898 : Standard Editions of Plato and of Aristotle.
- Class of 1899 : New English Dictionary, General Literature.
- Class of 1900 : Dictionary of National Biography.

The additions to the Library since May, 1900, number nearly 1000, of which about 400 are pamphlets, and reports. An appeal by the Students of the Mission and Bible Study Classes brought in 82 volumes on Missions and Bible Study. Several pamphlets and volumes by Canadian writers were presented by President Forrest and others. Through the kindness of the Superintendents of Education for Nova Scotia, New Brunswick and British Columbia, fairly complete sets of the reports of those provinces were obtained.

The Class Memorials continue to grow and materially increase the usefulness of the Library. The *Jesuits Relations*, the gift of the Class of 1896 has now reached the 60th volume. The set is to contain 73 volumes. The New Oxford Dictionary—the Great English Dictionary—is the gift of the Class of 1899 which has also given 104 volumes in General Literature and has promised more. The Class of 1900 has completed the Dictionary of National Biography. These gifts will increase in value and usefulness. For the information of contributors, a brief summary of the Class Memorial Accounts, as laid before the Senate and audited, is to be found at the end of this report.

The Class of 1901 has generously given \$100.50 for a Class Memorial. The form, which the Memorial is to take, has not yet been determined.

*To Dalhousie College Library Fund, Two Thousand Dollars for the purchase of books, chiefly in English Literature; the annual interest of this sum only to be employed or used.* This extract from the will of the late Professor Macdonald describes the most important gift the Library has ever received. The value of an endowment cannot be overestimated. A regular, though small, income promotes efficiency much more than larger sums given at irregular intervals. If books can be bought as need for them arises, the purchases will bring in fewer books that become antiquated in a few years, and at the same time the Library will not be compelled to wait several years after a good book has appeared before it can secure it for its readers. Is it too much to expect that within five years the Library Endowment Fund will reach Five Thousand Dollars? The need for books of reference is very urgent. In several departments the professors find it necessary to place their own libraries at the disposal of the students in order to enable them to do their work satisfactorily. This, of course, results in great inconvenience, to say nothing of loss, to the teacher. Such books seldom stand more than four or five years' wear and tear. An annual income of two hundred and fifty dollars to be expended solely in the purchase of books would enable us to keep the reference shelves fairly well supplied.

Messrs. Norman Murray and Campbell Macdonald of the First Contingent from Canada to South Africa have given several numbers of *The Friend, Bloemfontein*, conducted by the War correspondents with Lord Roberts' force; also the *Bloemfontein Post* and the *Johannesburg Gazette*.

The following graduates have presented copies of their publications to the "Dalhousie Corner." Dr. J. Waddell: *A School Chemistry*; Dr. A. S. Mackenzie: *The Laws of Gravitation*; Dr. J. D. Logan: *The Principles of Style Applied*; Dr. J. W. Tupper: *A Study of Pope's Imitations of Horace*; James Barnes, M. A.: *On the Depression of the Freezing Point, etc.*; T. C. Hebb, B. A.: *On the Variation of the Rigidity of Vulcanized India Rubber*; C. M. Pasea, B. Sc.: *On the relative Bulk of Weak Aqueous Solutions of certain Sulphates*; C. F. Lindsay, B. A.: *Presence of Acid Sulphate of Copper in Mixtures of Aqueous Solutions of Sulphuric Acid and Copper Sulphate*.

The following have presented books or pamphlets:—Class of 1900, 35 vols; Class of 1899, 19; Class of 1896, 12; President Forrest, 35; Alumni Association, 20; A. W. Routledge, B. A., LL. B., 12; T. H. Croskill, Esq., 12; Dr. Lindsay, MacMillan & Co., G. Bell & Co., 18 each; Relatives of the late Rev. D. Sutherland, 13; Prin. J. B. Calkin, 11; Dr. J. G. MacGregor, Mrs. M. B. Spain, Rev. E. A. McCurdy, each 10; James Bain, 9; Family of the late Dr. Morrison, 8; F. B. Crofton, Dr. MacMechan, Rev. W. O. Raymond, L. Allison, B. A., 7 each; Rev. Thos. Stewart, Rev. A. Gandier, and Rev. W. H. Smith, M. A., 6 each; Prof. W. C. Murray, 31; J. S. C. Moore, Dr. Gordon, H. D. Brunt, 4 each; the late Professor Macdonald, Dr. J. D. Logan, Early English Text Society, Prof. Liechti, Toronto Univ., 3 each; A. H. R. Fraser, LL. B., J. F. Morrison, R. Campbell, T. C. James, Bryn Mawr Univ., 2 each; Sir John Bourinot; Dr. J. Davidson; J. H. Norman, H. J. Morgan, Walter C. Smith, Augustana Library, Prof. Baskforth, R. Layton, B. A., Rev. G. A. Grant, M. A., E. C. Jeffrey, Miss Mary Ritchie, D. C. Heath, Rev. J. W. Falconer, A. M. Young, Miss Louise Young, A. A. Moore, Mrs. McWilliam, Miss Jean Gordon, Rev. T. Fullerton, A. S. Mackay, Rev. Mr. Whidden, W. H. Hepburn, M. A., Longmans & Co., Dr. Rankine Dawson, Dr. G. M. Dawson, Mrs. Alex. Campbell, A. W. Robb, Rev. D. Fraser, 1 each.

Reports have been received from—the Supt. of Educ. N. B., 85; Supt. of Educ. N. S., 57; Supt. of Educ. B. C. 24; Govt. of N. S., 30; Dom. Govt., 23; Meteorological Dept., 15; U. S. Dept. of Agriculture, 12; Univ. of the State of New York, 6; Ont. Dept. of Agriculture, 4; Geological Survey, 3; Numismatic and Antiquarian Society, Mont., Toronto Univ.,



Smithsonian Institution, U. S. Commissioner of Educ., 3 each ; Halifax City, Yale, Nebraska Univ., Princeton, Cambridge, Roy. Soc. Can., Canadian Institute, Cornell, Cape of Good Hope, School for the Blind, Deaf and Dumb Institution, Ont. Educ. Dept., Norway, 185, Exhibition Comm., Roy. Coll. Surgeons, Eng., Toronto Library, U. S. Naval Observ., Johns Hopkins, Legislative Library N. S., Man. Govt., B. C. Govt., McGill, Ont. Govt., 1 each.

Calendars and reports have been received from the following Universities and Colleges:—Edinburgh ; Glasgow ; Aberdeen ; St. Andrews's ; London ; Durham ; Bristol ; Victoria ; Dundee ; St. Mungo's ; Trinity Coll., Lond. ; Lond. Hosp. and Med. Coll. ; Sydney ; Melbourne ; Nancy ; Buenos Aires ; Princeton ; Yale ; Harvard ; Michigan ; Columbia ; Columbian ; Johns Hopkins ; Cornell ; Chicago ; Brown ; Smith ; Lake Forest ; Bryn Mawr ; Mass. Institute of Technology ; Vassar ; Howard ; Haverford ; Nebraska ; Colorado ; Wellesley ; Radcliffe ; Mt. Holyoke ; Lehigh ; Northwestern ; Syracuse Med. Coll. ; Manitoba ; Toronto : McMaster ; St. And. Coll., Tor. ; Queen's ; McGill ; Bishop's College ; Trinity ; Victoria ; Western Univ., Ont. ; Laval ; Morrin ; Ottawa ; Knox ; Presbyterian Theol. Coll., Halifax ; New Brunswick ; Mount Allison ; Acadia ; King's ; Prince of Wales ; St. Joseph's ; St. Dunstan's ; St. Francis Xavier ; St. Boniface ; Niagara Falls ; Antigonish ; St. John's, Winnipeg ; Presbyterian Theol. Coll., Montreal ; Wesleyan Theol. Coll., Mont. ; L'Academie Commerciale, Montreal ; Chicago, Auburn and Hartford Theol. Seminaries ; Halifax Lad. Coll. ; School of Mining, Kingston.

Periodicals have been regularly placed on the Reading Tables and in many cases given to the Library by the following:—Prof. C. Macdonald : *Nineteenth Century* ; Prof. J. G. MacGregor : *Contemporary Review*, *Nature*, *Philosophical Magazine*, *Physical Review*, *Science Abstracts* ; Prof. W. Murray : *Mind*, *Nation*, *Int. Jo. of Ethics* ; *Psychol. Rev.* ; *Philos. Rev.* ; *Educational Review*, N. Y. ; Prof. E. Mackay : *Chemical News*, *Popular Science Monthly* ; A. H. R. Fraser, Esq. LL. B. : *American Historical Review*, *English Historical Review* ; from other sources : *Classical Review*, *Educational Review N. B.* ; *Book Reviews*, *Economic Studies*, *Publications of American Economic Association*.

The Library has been open five days each week of the session from 10 to 1 and from 3 to 5 p. m. About 4000 books were taken out from May, 1900, to May, 1901. Between 50 and 60 readers per day made use of the Library. Students have free access to all catalogued books.

Stock was taken in November. In addition to those previously reported, 67 books were missing, but of these 49 have

been recovered. Also 8 of those reported missing previously have been recovered. The net loss for the year is thus 10. Last year it was 13. The number of books on catalogue May 5th, 1893, was 1272, May, 1901, about 7000. During the interval 171 titles were removed from the Catalogue, though only 27 represented lost books. The total number of books reported missing May, 1894, was 66; May, 1901, 129—an increase of 33. These, with the 27 removed from the Catalogue, make a loss of 60 for seven years.

Mr. Charles A. Myers discharged the duties of Assistant to the Librarian in a very efficient manner.

Abstract of Current Class Memorial Accounts :

CLASS OF 1896.

*Receipts.*

1900, May 4.	Reported to date.....	\$137 50
1901, May 8.	From R. M. MacGregor.....	45 00

\$182 50

*Expenditures.*

1900, May 4.	Reported to date.....	\$136 50
1900, May	Burrows Bros.....	21 00
1900, Dec. 7.	“ “.....	20 00
1901, April 8.	“ “.....	25 00

\$202 50

CLASS OF 1899.

*Receipts.*

1900, May 4.	Reported to date.....	\$205 50
1901, May 8.	From A. H. S. Murray.....	26 00

\$231 50

*Expenditures.*

1900, May 4.	Reported to date.....	\$148 21
1900, May 20.	H. Sotheran & Co., &c.....	54 75
1901, May 8.	Sotheran, &c.....	7 64

\$210 60

CLASS OF 1900.

*Receipts.*

1900, May 4.	From A. R. Cunningham.....	\$121 50
1900, Dec.	Interest, Depos. Receipt.....	2 20

\$123 70

*Expenditures.*

1900, Dec.	T. C. Allen & Co., Dict. of Nat. Biog. 35 vols. at \$3.66 per vol.....	\$128 10
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## THE UNIVERSITY MUSEUM.

The Museum\* consists chiefly of the THOMAS McCULLOCH and the PATTERSON COLLECTIONS.

THE THOMAS McCULLOCH COLLECTION was presented to the University in 1881, by the late Rev. William McCulloch, D. D., of Truro, with a fund of \$1,400 for extending the collections. It formed the museum of Prof. Thomas McCulloch, who occupied the chair of Natural Philosophy from 1863 to 1865. It contains a large and valuable collection of birds, especially of the native birds of the Maritime Provinces, many specimens of minerals, especially of Nova Scotian species, also rock specimens, a set of Carboniferous fossils, chiefly Nova Scotian, and a collection of European Cretaceous fossils, Indian implements, shells of recent Mollusca, native plants, &c. These collections were made in part by Rev. Thomas McCulloch, D. D., the first President of the College. The McCulloch collection of birds has recently been increased by additions paid for out of the McCulloch Museum Fund. An arrangement has been made with Mr. T. J. Egan, by which his valuable collection, containing about 30 cases of native birds, has been placed in the Museum on loan.

THE PATTERSON ARCHÆOLOGICAL COLLECTION.—This collection of Indian Antiquities was made by the late Rev. George Patterson, D. D., LL. D., F. R. S. C., while engaged during a number of years in researches regarding the history and modes of life of the aborigines of Nova Scotia. The collection was presented by him to the College in 1889, on the condition that the Governors should make suitable "provision for the preservation and exhibition of the same, in such a manner as is usual in well managed Museums. It is kept as a separate collection. It contains 288 specimens, separately catalogued, and is arranged conveniently for reference. About 250 of the specimens have been obtained in Nova Scotia. They illustrate the stone age of its aboriginal inhabitants, and form an almost complete representation of the articles usually found among the remains of the native races of North America. There are also a number of similar articles from the United States, Scotland, the West Indies, and especially the New Hebrides. The classified catalogue of the collection, which is arranged according to the method adopted in the description of the archæological collections of the Smithsonian Institution, contains full particulars of the localities where the several specimens were obtained.

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\* The Provincial Museum, in the New Provincial Building, contains collections illustrating the Mineralogy, Geology, and Zoology of the Province, and is open to the public daily. It may be conveniently used by students.

The Zoological Section of the Museum, containing between 500 and 600 specimens has been catalogued by Dr. A. Halliday, Lecturer on Zoology.

The following specimens have been presented by Miss M. Ross, M. A. : Tapa cloth from Hawaii ; 50 mounted specimens of Sea-weed from Waipahu, Oahu, Hawaii.

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### THE GYMNASIUM.

All male students on paying the regular fee of one dollar and fifty cents are entitled to the services of the Instructor and to the use of the Gymnasium. During the past session instruction was given by Sergt.-Major Long.

In future the Gymnasium will be under the management of a Committee of Six, of whom three are to be appointed by the Senate and three by the Dalhousie Amateur Athletic Club. The representatives of the Senate for the session 1901-2 are President Forrest, Dr. MacGregor and Prof. Liechti.

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### THE ALUMNI ASSOCIATION.

(Incorporated 1876.)

#### EXTRACT FROM THE LAWS.

1. The object of the Association shall be the promotion of the interests of the University.
2. The Association shall consist of Ordinary and Associate Members.
3. All Graduates of the University, all persons who, during at least one academic year, have been registered students, either of Dalhousie College or of colleges which have been merged in or united with Dalhousie College, and all other persons who have at any time been educated by means of the funds of Dalhousie College, shall be eligible for ordinary membership. But no persons other than graduates shall become members until three years have elapsed from the date of their first entering the college, except by special permission of the Executive.
4. Persons not eligible for membership under Section 3 may be elected Associate members.

#### ABSTRACT OF MINUTES OF ANNUAL MEETING.

The Annual Meeting of the Association was held in the College on the evening of April 29th, the President, Mr. J. W. Logan, in the chair.

The President gave his address and the reports of the Executive, the Treasurer and the Local Branch, were received and adopted. Owing to the absence of Dr. MacGregor, the Dean of the Science Faculty, no report of the expenditure of the grant of \$150 to the Science Faculty was presented.

The Treasurer's report showed a balance on hand larger than that of any previous year. He called attention to the fact that only 50 of the 206 members had paid their dues.

*Receipts.*

Balance on hand April, 1900.....	\$ 97 07
Dues for current year.....	216 35
Special subscriptions.....	122 00
	\$435 42

*Expenditure.*

Paid Dean of Science Faculty.....	\$ 150 00
Postage, printing, etc.....	10 20
Balance on hand.....	275 22
	\$435 42

Of this balance \$100 is due Dr. MacGregor. The grant to the Science Faculty for the coming year was increased to \$250 —\$50 to be placed at the disposal of the Lecturer on Geology for the purchase of Maps, etc.

The following officers were elected for the ensuing year :—

<i>President</i> .....	J. W. LOGAN, B. A.
<i>1st Vice-President</i> .....	E. D. FARRELL, M. D.
<i>2nd Vice-President</i> .....	R. T. MACILREITH, LL. B.
<i>Secretary</i> .....	W. J. LEAHY, LL. B.
<i>Treasurer</i> .....	S. A. MORTON, M. A.
<i>Other Members of Exec. Committee</i> ..	{ E. MACKAY, PH. D.
	{ J. G. MACGREGOR, D. SC.
	{ J. H. TREFRY, M. A.
	{ G. M. CAMPELL, B. A., M. D.
<i>Auditors</i> .....	{ L. H. CUMMING, LL. D.
	{ W. A. LYONS, LL. B.
	{ H. B. STAIRS, B. A., LL. B.

STUDENTS' SOCIETIES.

University Students' Council.

Meetings are held regularly in November and February to conduct business in which all the students of the University are interested. Special meetings may be called by the President at any time.

OFFICERS.

<i>President</i> .....	J. R. MILLAR, M. A.
<i>Vice-Presidents</i> .....	{ E. A. MACLEOD, B. A.
	{ M. A. LINDSAY.
	{ W. P. FRASER.

<i>Secretary-Treasurer</i> .....	E. FRASER.
<i>Executive Committee</i> .....	{ G. H. GORDON. G. A. CHRISTIE. J. S. LAYTON, B. A. F. B. A. CHIPMAN, M.A.
<i>Reading Room Committee</i> .....	{ D. G. DAVIS. E. M. FLEMING. N. S. SANFORD. A. R. CUNNINGHAM, B. A. W. M. GOULD, B. SC. J. A. SCRIMGEOUR.

The DALHOUSIE GAZETTE is published by the students of the University under the authority of the Council.

The following have been appointed by the students of the Arts and Science Faculties as Editors for 1901-02:—

G. H. SEDGEWICK, (Arts, '02).	K. F. MACKENZIE, Arts, '02).
W. R. MACKENZIE, (Arts, '02).	H. H. BLOIS, (Arts, '03).
D. G. DAVIS, (Arts, '03).	W. M. CORBETT, (Arts, '04).
P. J. WORSLEY, B. A., (Law, '02).	A. C. CALDER, (Law, '02).
T. F. PHELAN, (Law, '03).	A. R. CUNNINGHAM, B. A. (Med. '04).
<i>Financial Editor</i> .....	A. M. YOUNG.

Others will be appointed at the opening of the Session by the Lady Students, and the Students of the Faculties of Law and Medicine.

#### Art Students' Society.

This Society meets in October and April to conduct business in which the Arts Students alone are interested. Special meetings may be called at any time by the President.

##### OFFICERS.

<i>President</i> .....	E. W. COFFIN.
<i>Vice-President</i> .....	G. M. J. MACKAY.
<i>Secretary-Treasurer</i> .....	H. H. BLOIS.
<i>Executive Committee</i> .....	{ G. H. GORDON. J. MALCOLM. D. M. SMITH.

#### Law Students' Society.

The Society meets once a month for the transaction of business of interest to the Law Students.

##### OFFICERS.

<i>President</i> .....	M. J. MACNEIL.
<i>Vice-President</i> .....	N. J. LOCKHART.
<i>Secretary-Treasurer</i> .....	A. W. ROUTLEDGE, B. A.
<i>Executive Committee</i> .....	{ F. J. SUTTON. F. B. A. CHIPMAN, M. A. E. A. MACLEOD, B. A.

### The Mock Parliament.

The Mock Parliament meets weekly. All students of the University are welcome, but only students in law are allowed to take part in the debates, which are mostly of a political nature, on questions of the day. It is conducted strictly in accordance with parliamentary procedure.

#### OFFICERS.

<i>Speaker</i> .....	D. F. MATHESON.
<i>Deputy Speaker</i> .....	
<i>Clerk</i> .....	A. C. CALDER.
.....	F. B. A. CHIPMAN, M. A.

### The Medical Debating Club.

The meetings of this Society are held weekly throughout the session. Topics of general interest are discussed, and papers on medical subjects are read.

#### OFFICERS.

<i>President</i> .....	E. R. FAULKNER, B. A.
<i>Vice-President</i> .....	J. R. MILLAR, M. A.
<i>Secretary</i> .....	D. W. MACKENZIE, B. A.
<i>Treasurer</i> .....	W. T. M. MACKINNON, B. L.
<i>Executive Committee</i> .....	{ M. J. WARDROPE.
	{ D. MURRAY.
	{ R. L. BLACKADAR.
	{ J. S. LAYTON, B. A.

### The Sodales Debating Club.

The Sodales Debating Club meets fortnightly during the session, subjects of general interest being discussed. A series of lectures by prominent public men will be given under the auspices of the club.

#### OFFICERS.

<i>Honorary President</i> .....	PROF. J. G. MACGREGOR.
<i>President</i> .....	E. M. FLEMING.
<i>Secretary</i> .....	W. M. CORBETT.
<i>Treasurer</i> .....	G. A. CHRISTIE.
<i>Executive Committee</i> .....	{ F. FRASER.
	{ L. A. DEWOLFE.
	{ L. J. MILLER, B. A.
	{ D. W. MACKENZIE, B. A.
<i>Lecture Course Committee</i> .....	{ E. W. COFFIN.
	{ F. S. VANCE,
	{ E. A. MACLEOD, B. A.
	{ W. G. MCKEEN.
	{ S. A. FULTON.

### Young Men's Christian Association,

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

#### OFFICERS.

<i>President</i> .....	F. S. VANCE.
<i>Vice-President</i> .....	G. W. LANGILLE.
<i>Recording Secretary</i> .....	A. A. SMITH.
<i>Corresponding Secretary</i> .....	D. J. NICHOLSON.
<i>Treasurer</i> .....	R. H. STAVERT.

### Young Women's Christian Association.

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

#### OFFICERS.

<i>President</i> .....	JESSIE B. CAMPBELL.
<i>Vice-President</i> .....	MAY JOHNSON.
<i>Treasurer</i> .....	ANNIE M. RAND.
<i>Recording Secretary</i> .....	WINIFRED WEBSTER.
<i>Corresponding Secretary</i> .....	FLORENCE BLACKWOOD.

### The Moot Court.

The Moot Court is intended for law students only, so far as arguing is concerned. It is conducted as nearly as possible after the manner of the Supreme Courts; and all law students of second and third years' standing are required to take part in at least one case during the session. (See Law Faculty).

### The Dalhousie Amateur Athletic Club.

#### OFFICERS.

<i>Honorary President</i> .....	REV. PRESIDENT FORREST.
<i>President</i> .....	J. J. MACKENZIE.
<i>Vice-President</i> .....	M. A. LINDSAY.
<i>Secretary</i> .....	G. S. STAIRS.
<i>Honorary Treasurer</i> .....	R. T. MACILREITH, LL. B.
<i>Executive Committee</i> .....	{ E. A. MACLEOD, B. A.
	{ J. LYALL COCK.
	{ F. B. A. CHIPMAN, M. A.
	{ A. M. HEBB, B. A.
<i>Trophy Committee</i> .....	{ G. H. SEDGEWICK,
	{ R. T. MACILREITH, LL. B.
	{ D. G. J. CAMPBELL.
<i>Grounds Committee</i> .....	{ J. A. MACKINNON, B. A., LL. B.
	{ R. T. MACILREITH, LL. B.
	{ J. C. O'MULLIN, LL. B.



### The Glee Club.

The Club meets once a week for the practice of glees and choruses.

#### OFFICERS.

<i>Honorary President</i> .....	PROF. E. MACKAY.
<i>President</i> .....	E. M. FLEMING.
<i>Vice-President</i> .....	FANNIE COVEY.
<i>Secretary</i> .....	V. D. RUGGLES.
<i>Treasurer</i> .....	J. H. A. ANDERSON, B. A.
<i>Executive Committee</i> .....	JEAN LINDSAY.
	KATHERINE MACKAY.
	WINIFRED READ.
	E. K. HARVEY.
	M. MACKINNON, B. L.
	B. J. WOOD.
<i>Conductor</i> .....	W. R. SHUTE.
<i>Accompanist</i> .....	F. J. McMANUS.

### The Philosophical Club.

Five or six meetings during the session are held by this Club for the discussion of current questions of philosophical interest.

#### OFFICERS.

<i>Honorary President</i> .....	JOHN STIRLING, B. A.
<i>President</i> .....	MARIA STEWART.
<i>Secretary-Treasurer</i> .....	J. W. A. NICHOLSON, M. A.

### 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.

#### OFFICERS.

<i>President</i> .....	WINIFRED READ.
<i>Vice-President</i> .....	GRACE RICE.
<i>Secretary</i> .....	LOUISE L. THOMAS.
<i>Treasurer</i> .....	HATTIE M. BAYER.

## AFFILIATED COLLEGES.

### Halifax Ladies' College.

*President* . . . . . REV. ROBERT LAING, M. A.

*Principal* . . . . . MISS ETHELWYN PITCHER, B. A.

The object of the College is to provide a liberal education for young women. It has three departments of study,—the Primary, the Preparatory, and the Collegiate.

In the Collegiate department the course of study extends over three years, and includes English, French, German, Latin, Greek (optional), Mathematics, and Elementary Science. The teaching staff in this department in 1900-1901 has been as follows :

MISS ETHELWYN PITCHER, B. A., with Hons. in Philosophy (McGill),  
*Mathematics.*

MRS. MARGARET F. TRUEMAN, M. A., with Hons. in English, History,  
(Dal.), *Classics, Literature and History.*

MISS E. B. HUNTER, B. A., with Hons. in Modern Languages and  
English, (U. N. B.), *English, etc.*

MISS S. GANONG, B. A. (Smith College), *Science.*

MISS BLANCHE LEHIGH, A. T. C. M. (Tor.), *Elocution.*

MISS ALICE W. CORBIN, *Shorthand, Book-keeping and Typewriting.*

MISS J. E. F. MACKENZIE, B. A. (McGill), *English.*

Mlle. MARGUERITE PASQUET, Brevet Superieure de l'Academie de  
Paris, *French and German.*

SERGT.-MAJOR LONG, Army Gymnastic Staff, *Gymnastics and Cal-  
isthenics.*

Young women who have completed the three years' course are admitted to the first year in the Arts and Science Faculties in this University without examination in subjects which formed parts of the course.

The College Buildings, which include a Hall or Residence as well as Class Rooms and Assembly Hall, are situated in a central part of the City of Halifax, at a distance of about three-quarters of a mile from Dalhousie College. Young women who are registered students of Dalhousie College are admitted to the Ladies' College as boarders. The conditions of admission and the charges may be ascertained on application to the President.

The College has an Art Studio in which instruction in Fine Art is given by Mr. H. M. Rosenburg, Head Master of the Victoria School of Art and Design.

**Halifax Conservatory of Music.**

*President*.....REV. ROBERT LAING, M. A.

FACULTY OF INSTRUCTION.

*Piano*.—MR. PERCY GORDON, Graduate of the Royal Conservatory at Leipsic.

“ MRS. M. WALLACE.

“ MR. J. H. LOGAN, Graduate of the Royal Hochschule at Berlin.

“ MR. DELBERT WEBSTER, New England Conservatory Boston.

“ MISS HELEN TILSLEY, Graduate of the Royal Conservatory at Leipsic.

“ MISS ESTHER CLARKE, Graduate of the Halifax Conservatory of Music.

“ MISS LOUISE TUPPER, Graduate of the Halifax Conservatory of Music.

*Violin*.—MR. LEO ALTMAN, Graduate of the Royal Conservatories at Budapest and Vienna.

*Viola*.—MR. LEO ALTMAN.

*Voice*.—MR. CHAS. B. WIKEL, New York.

“ MISS MABEL DAVIS, Boston.

*Cello*.—MR. DELBERT WEBSTER.

*Organ*.—MR. J. H. LOGAN.

*Clarionet*.—MR. HARRY HANSON.

*Cornet*.—MR. T. L. COVEY.

*Flute*.—MR. JAMES IVIMEY.

*Bassoon and String Bass*.—MR. HENRY STREETER.

*Theory and Composition*.—MR. PERCY GORDON.

*Harmony*.—MR. PERCY GORDON.

“ MR. DELBERT WEBSTER.

*History of Musicians*.—REV. ROBERT LAING, M. A.

The classes in Theory, Composition, and Harmony, conducted by Mr. Gordon, and in History by Rev. R. Laing, are recognized by this University as qualifying for the Degree of Bachelor of Music.

The Conservatory opens on the first WEDNESDAY of SEPTEMBER, and closes on the last WEDNESDAY OF JUNE in each year.

Applications for information should be addressed to the President, REV. ROBERT LAING, *Halifax, N. S.*

# University Lists.

## DEGREES

Conferred April 30th, 1901.

### DOCTOR OF LAWS.

(*Honoris Causa*)

- FRASER, CHARLES FREDERICK M. A., (King's Coll.) *Principal of the Halifax School for the Blind.* In recognition of his eminent services in the cause of Education, more particularly the Education of the Blind.
- SMITH, REV. THOMAS WATSON, D. D., (Mt. Allison). In recognition of his valuable researches in Canadian and Provincial History.

### MASTER OF ARTS.

- HEBB, THOMAS CARLYLE, B. A.—*By Examination in Pure and Applied Mathematics.*
- MACDONALD, MURDOCH STEWART, B. A.—*By Examination in Metaphysics.*
- MACKINTOSH, PETER DUNCAN, B. A.—*By Examination in Modern Philosophy.*
- MURRAY, ADAM HENRY STEWART, B. A.—*By Examination in Pure and Applied Mathematics.*
- MYERS, CHARLES ALLAN, B. A.—*By Examination in Modern Philosophy.*
- OUTHIT, WILLIAM EDWARD, B. A.—*By Examination in Metaphysics.*
- ROSS, WILLIAM ALEXANDER, B. A.—*By Examination in Moral Philosophy.*

### BACHELOR OF ARTS.

- BEST, LILLIAN GERTRUDE.....Grafton, N. S.
- CHISHOLM, MAUD.....Dartmouth.
- FORREST, JEAN FAIRBANKS.....Halifax.
- GRANT, WILLIAM McDONALD.....New Glasgow.
- HALLAM, WILLIAM THOMAS.....McAdam, N. B.
- HARVEY, EDWARD KITSON.....Halifax.
- KENNEDY, JAMES HORACE.....Halifax.
- LAWSON, DAVID ALEXANDER.....Grafton, N. S.
- LAYTON, ROBERT BLACKWOOD.....Marshfield, P. E. I.
- MACCASKILL, JOHN JAMES.....Little Narrows, C. B.

MACDONALD, ARCHIBALD J.....	Cape Breton.
MACDONALD, EWEN.....	Murray Harbor Ro., P. E. I.
MACKINTOSH, FINLAY GRANT.....	Springville.
MCKAY, WILLIAM ALFRED.....	W. Branch River John.
MACKENZIE, LUTHER BURNS.....	Bedford.
MACKIE, IRWIN CAMERON.....	Brockton, Mass.
MACLEOD, COLIN ARTHUR.....	Springhill.
MACPHERSON, MALCOLM JAMES.....	Uigg, P. E. I.
MAIN, CHARLES OGG.....	Kingston, Kent, N. B.
MILLER, LEMUEL JAMES.....	Charlottetown, P. E. I.
MORRISON, FREDERICK AUGUSTUS, LL. B.....	Milltown, N. B.
NICHOLSON, WILLIAM.....	River Charlo, N. B.
ROSS, DANIEL EDWARD.....	Bedeque, P. E. I.
RUGGLES, VERNON DOUGLAS.....	Halifax.
WILLIAMS, WINIFRED BOAK.....	Boston, Mass.

**BACHELOR OF SCIENCE.**

BOEHNER, REGINALD STEPHEN.....	Paradise.
GOULD, WILLIAM MATTHEW.....	Halifax.
O'BRIEN, MARY AUGUSTA.....	Noel.
WOOD, BURTON JUSTICE.....	Lakeville, N. S.

**BACHELOR OF LAWS.**

CUMMING, LYMAN HODGE.....	Westville.
HANSON, RICHARD BURPEE, JR., B. A., (Mt. All.).....	Bocabec, N. B.
KEITH, DONALD, JR., B. A., (Dal.).....	Halifax.
MACNEIL, MALCOLM GEORGE.....	R. Bourgeois, C. B.
MATHESON, DONALD FRANK.....	St. Peter's, C. B.
MURRAY, NORMAN GRANT, B. A., (Dal.).....	Halifax.
OLAND, JOHN CULVERWELL.....	Dartmouth.
PUGSLEY, WILLIAM GAETZ, B. A., (Mt. All.).....	Amherst.
REGAN, OSMOND R.....	Dartmouth.
REYNOLDS, MAYNARD MARTIN.....	Halifax.
ROUTLEDGE, ARTHUR WESTON, B. A., (Dal.).....	Sydney, C. B.
SUTTON, FRANCIS JAMES.....	Moncton, N. B.

**DOCTOR OF MEDICINE AND MASTER OF SURGERY.**

O'DONNELL, FLORENCE MAUDE.....	Halifax.
CROSBY, LEANDER MARSHALL.....	Hebron, Yar. Co.
DICKSON, CHARLES HAROLD.....	Pictou.
FAULKNER, EBENEZER ROSS, B. A., (Dal.).....	Folly Village.
O'BRIEN, MILTON ADDISON, B. A., (Dal.).....	Noel.
ROACH, EDWIN BISHOP.....	Nappan.
ROBBINS, WELTON HAVELOCK.....	Rossway, Digby.
WARDROPE, MONSON JAMES.....	Milford.
THOMAS, LEWIS.....	Dartmouth.
WOODLAND, GEORGE HART.....	Wallace.

## DEGREES

Conferred previously but not announced :

## MASTER OF ARTS.

CHURCH, NINA ELIZABETH, B. A.—*By Examination in Latin.* (September 13th, 1899.)

## BACHELOR OF ARTS.

ARMITAGE, REV. WILLIAM JAMES, (April 29th, 1901).  
MCKEE, MABEL, (September 27th, 1900).

## DOCTOR OF MEDICINE AND MASTER OF SURGERY.

REYNOLDS, WILLIAM PEARSON, (September 8th, 1900).  
SALTER, ORLANDO RAY, (September 8th, 1900).  
BRAINE, LAWRENCE BERNARD WILFRID, (November, 1900).

## HONOURS, MEDALS, Etc., 1900-01.

## HONOURS.

*Classics.*

BEST, LILLIAN G.....Honours.  
HALLAM, WILLIAM T.....Honours.

*Chemistry and Chemical Physics.*

BOEHNER, REGINALD S.....Honours.

## GENERAL DISTINCTION.

O'BRIEN, MARY A.....Great Distinction.  
MACKIE, IRWIN C.....Great Distinction.  
FORREST, JEAN F.....Distinction.  
HARVEY, EDWARD K.....Distinction.  
MILLER, L. JAMES.....Distinction.  
WILLIAMS, WINIFRED B.....Distinction.

## GRADUATE PRIZE AND MEDAL.

O'BRIEN, MARY A.....Avery Prize.  
FAULKNER, E. ROSS, B. A., } Dr. Farrell's Gold Medal. (Final  
(Dal.) ..... } M. D., C. M.)

## UNDERGRADUATES' SCHOLARSHIPS, AND PRIZES, MEDAL.

*Junior Entrance Scholarships.*

MACKAY, G. M. JOHNSTONE.....	Sir Wm. Young Scholarship.
GORDON, WILHELMINA.....	Professors' Scholarship.
CORBETT, WILLIAM MELVILLE....	Sir Wm. Young Scholarship.
MACKENZIE, THOMAS G.....	MacKenzie Bursary.
SCRIMGEOUR, JAMES A.....	Sir Wm. Young, Scholarship.
RITCHIE, ALLAN B.....	Sir Wm. Young, Scholarship.

*Special Prizes.*

MACCURDY, R. MABEL.....	Waverley Prize, (Mathematics).
BLACKWOOD, FLORENCE E.....	Dr. N. E. MacKay Prize. (Chemistry.)
McKENZIE, KENNETH A.....	Dr. Lindsay's Gold Medal. (Primary M. D., C. M).
HEBB, A. M., B. A. }.....	{ Frank Simson Prize. (Chemistry and Materia Medica).
FULTON, S. A. }	

## EXAMINATIONS, 1900-01,

## FACULTIES OF ARTS AND SCIENCE

## MATRICULATION.

## BY EXAMINATION.

SENIOR.—*Passed*: Elliot, Laurie B.

*Passed in certain subjects*: Shaw, R. M., and Mackintosh, F. G. in *Greek* and *Mathematics*; McKay, W, A., in *Algebra*; Moody, Margaret H., in *Latin* and *Algebra*; Webster, Winifred M., in *Chemistry*; MacCurdy, Rahno Mabel, in *Mathematics*; Gordon, G. H., in *German*.

JUNIOR.—*First class distinction*: Mackay, G. M. J.; Gordon, Wilhelmina; Corbett, W. M.

*Second class distinction*: Mackenzie, T. G.; Scrimgeour, J. A.; Ritchie, A. B.; Bayer, Harriet M.; Mitchell, Gertrude C.; Archibald, Frank R.; Payzant, A. S.; Weldon, R. C., Jr.

*Passed*.—Bauld, D. S.; Parsons, W. H.

*Passed conditionally*.—Muir, D. H., Jr.; Spicer, H. J.

*Passed in certain subjects*.—Chisholm, Maud, and Macdonald, C. M., in *Latin*; Campbell, Jessie B., and Fraser, E., in *French*; Carruthers, J. S., Slayter, R., Boehner, R. S., and Fash, I. Mabel, in *German*; Johnson, T. R., in *History* and *Geography* and *Arithmetic*; Ferguson, A., in *Geometry*; Macdonald, C. M., and Johnston, A. J. D., in *Algebra*.

## BY CERTIFICATE.

**SENIOR.**—*In all subjects:* MacCurdy, R. Mabel; McDonald, J. D.; Meek, J. G.; Mitchell, G. A.; Perkins, Ella D.; Roy, A.; Webster, Winifred M.

*Partial.*—Donovan, Florence E.; McDougall, E. Mary; Young, L. L.

**JUNIOR.**—*In all subjects:* Acham, J. L.; Andrew, G. A.; Carney, M. J.; Frame, H. A.; Fraser, E.; Johnson, May McN.; Kelly, W. L.; Miller, G. W.; Power, W. K.; Saunderson, Bessie M.; Smith, Olive W.; Spencer, Minnie G.; Trueman, J. M.

*Partial.*—Batton, Viola M.; Begin, T. S.; Bigney, Anna L.; Blackwood, Florence E.; Braine, Annie M.; Brunt, H. D.; Cameron, T. G.; Campbell, Margaret P. D.; Coffin, G. A.; Crowdis, C. J.; Elliott, G. R. B.; Elliott, Sarah P.; Ferguson, A.; Frame, S. A.; Fraser, W.; Kirker, E. A.; Lamb, A. S.; Langille, G. W.; McDonald, R.; McIntosh, Mary G.; MacKean, G. A. R.; MacQueen, Georgina; Rackham, W. H.; Sutherland, R. H.

## ADMISSION AD EUNDEM STATUM.

**FOURTH YEAR OF ARTS COURSE.**—Armitage, William James, (Univ. of Toronto); MacLeod, Colin Arthur, (Acadia Univ.).

**SECOND YEAR OF SCIENCE COURSE.**—DeWolfe, L. A., (Harvard Univ.).

## SUPPLEMENTARY EXAMINATIONS.

**LATIN.**—*First:* Mackintosh, F. G.; (Dec. Exam.) McLeod, J. C.; Macdonald, A. J.

*Second:* Nicholson, D. J.; (Dec. Exam.) Bradley, J. A. Kennedy, J. H.; Moody, Margaret H.; (April Exam.) MacKenzie, W. R.

*Third:* Kennedy, J. H.; Moody, Margaret H.

**GREEK.**—*First:* Macdonald, A. J.; Macdonald, C.; McLeod, J. C.; (April Exam.) McDonald, W.; Smith, D. M.

*Second:* Macdonald, A. J.; Read, Winifred; Shaw, R. M.; MacCaskill, J. J.; (Dec. Exam.) McLeod, J. C.; Main, C. O.; Mackenzie, L. B.

*Third:* (Dec. Exam.) Mackintosh, F. G.

**ENGLISH.**—*First:* Vickery, R. B.

*Second:* McLeod, J. C.; Gould, W. M.

**PHILOSOPHY.**—*Junior:* Mackean, J. A.; McQueen, N.

*Moral:* McKee, Mabel.

**MATHEMATICS.**—*Junior:* (Algebra) Morrison, F. A.

*Senior:* Mackenzie, W. R.; (Trig. and Alg.) Mackenzie, L. B.; MacCaskill, J. J.; (Geometry) Macdonald, E.

**PHYSICS.**—*Junior:* Chisholm, Maud; Morrison, Bertha L.; McLeod, J. C.; Mackenzie, L. B.

**CHEMISTRY.**—*Junior:* Best, Lillian G.; Gordon, G. H.; Malcolm, J.; Nicholson, W.; Vickery, R. E.

*Senior Practical:* Moody, Margaret H.



## DEGREE EXAMINATIONS.

## CLASS LISTS.

Names are arranged in Alphabetical order in each division.

## LATIN.

THIRD: *Class I*—Best, Lillian G. ; \*Coffin, E. W. ; Hallam, W. T. ; MacKenzie, K. F. ; \*Mackie, I. C. ; Sedgewick, G. H. *Class II*—Christie, C. V. ; Grant, W. M. ; Ruggles, V. D. *Passed*—Bentley, Regina ; Campbell, Jessie B. ; Layton, R. B. ; MacKenzie, W. R. ; Morrison, Bertha L. ; Morrison, F. A. ; Myers, A. J. M. ; Nicholson, W. ; Rand, Annie M. ; Richardson, Loie ; Shaw, R. M. ; Thomas, Louise.

SECOND: *Class I*—Donovan, Florence ; MacCurdy, Rahno Mabel ; Stairs, G. S. *Class II*—Coffin, W. H. ; Daviss, A. E. ; Lindsay, F. Jean ; Webster, Winifred. *Passed*—Blois, H. H. ; Cameron, G. ; Davis, D. G. ; Fash, Mabelle ; Locke, E. C. ; Loughead, G. W. ; MacDonald, J. D. ; MacDougall, E. May ; MacKean, J. A. ; McLeod, D. J. ; Malcolm, J. ; Matheson, C. W. ; Meek, J. G. ; Mellish, J. R. ; Mitchell, G. A. ; Roy, A. ; Smith, D. M. ; Young, A. M. ; Young, L. L. *Passed in Dec. Examination*—Moody, Margaret. *Passed in April Examination*—Miller, G. W. ; Upham, H. M.

FIRST: *Class I*—Brunt, H. D. ; Corbett, W. M. ; \*Gordon, Wilhelmina. *Class II*—Acham, J. L. ; Archibald, F. R. ; Fraser, E. ; MacKay, G. M. J. ; Mackenzie, T. G. ; Scrimgeour, J. A. ; Trueman, J. M. *Passed*—Andrew, G. A. ; Batton, Viola M. ; Bayer, Harriet ; Begin, T. S. ; Bigney, Anna ; Blackwood, Florence ; Braine, Annie M. ; Campbell, Primrose ; Carney, M. ; Coffin, G. A. ; Crowdis, C. J. ; Frame, H. A. ; Haverstock, W. E. ; Kelly, W. L. ; Langille, G. W. ; Logan, F. R. ; McDonald, R. ; McIntosh, Gertrude ; Mackintosh, F. G. ; Payzant, A. S. ; Power, W. K. ; Ross, W. M. ; Spencer, Minnie ; Spicer, H. J. ; Sutherland, R. H. ; Weldon, R. C. *Passed the April Examination*—Ferguson, A. ; Frame, S. H. ; Muir, D. H. ; Parsons, W. H.

## GREEK.

THIRD: *Class I*—Best, Lillian G. ; Coffin, E. W. ; Hallam, W. T. *Class II*—Christie, C. V. *Passed*—Bradley, J. A. ; Grant, W. M. ; Nicholson, D. J. ; Rand, Annie M. ; Richardson, Loie ; Ruggles, V. D. ; Sedgewick, G. H. ; Stavert, R. H. *Passed Dec. Examination*—Mackintosh, F. G.

SECOND: *Class I*—MacCurdy, Rahno Mabel. *Class II*—Stairs, G. S. *Passed*—Blois, H. H. ; Cameron, G. ; Coffin, W. H. ; Davis, D. G. ; Daviss, A. E. ; Fraser, H. J. ; Layton, R. B. ; Loughead, G. W. ; Macdonald, A. J. ; McLeod, D. J. ; Malcolm, J. ; Meek, J. G. ; Smith, A. A. ; Upham, H. M. ; Webster, Winifred ; Young, L. L. *Passed Dec. Examination*—McLeod, J. C. ; Main, C. O.

FIRST: *Class I*—Corbett, W. M. *Class II*—Archibald, F. R. *Passed*—Acham, J. L. ; Begin, T. S. ; Coffin, G. A. ; Frame, H. A. ; Langille, G. W. ; Logan, F. R. ; Macdonald, A. J. ; Macdonald, C. ; MacKay, G. M. J. ; McLeod, J. C. ; Myers, A. J. M. ; Parsons, W. H. ; Ross, W. M. ; Trueman, J. M. *Passed the April Examination*—Andrew, G. A. ; Ferguson, A. ; McDonald, R. ; McDonald, W.

\* High First Class.

## FRENCH.

THIRD: *Class I*—Williams, Winifred B. *Class II*—Chisholm, Maud; Thomas, Louise. *Passed*—Campbell, Jessie B.; Locke, E. C.

SECOND: *Class I*—Donovan, Florence; Gordon, Wilhelmina. *Class II*—Bayer, Harriet M.; Lindsay, Frances Jean; Mellish, J. R. *Passed*—Best, Lillian Gertrude; Matheson, Ch.; McCleave, A. R.; McKeen, W. G.; McManus, F. J.; Mitchell, G. A.; Payzant, S.; Perkins, Ella; Ritchie, A. B.; Smith, Olive W.; Tucker, H. S.; Young, A. McG.

FIRST: *Class I*—Fraser, E. *Class II*—Braine, Annie Morris; MacDougall, Euphemia M.; McKenzie, T. G.; Weldon, R. C. *Passed*—Bauld, D. S.; Bigney, Anna L.; Campbell, Margaret P.; Carney, J.; Crowdis, E. J.; Curry, St. L.; Elliott, G. R. B.; Fraser, W.; Kelley, W.; MacKean, G. R.; MacKay, G. M. J.; Muir, D. H.; Power, W. K.; Spencer, Minnie J.; Spicer, H. J.; Sutherland, R. H.; Vickery, R. E.; Wood, B. J.

## GERMAN.

THIRD: *Class I*—\*O'Brien, Mary Augusta. *Class II*—Cann, Jeanette A. *Passed*—Boehner, R. S.; Lindsay, M. A.; Wood, J. B.

SECOND: *Class I*—Grant, W. M.; McKay, W. A. *Class II*—Chisholm, Maud; Coffin, E. W.; DeWolfe, L.; Fash, Ida M.; Mackintosh, F. G.; Richardson, Lophemia. *Passed*—Campbell, J. A.; Gordon, G. H.; Matheson, Ch.; McDonald, J. D.; MacKenzie, K. F.; Roy, Alex.

FIRST: *Class I*—Haverstock, W. E.; Rielly, John F. *Class II*—Sproule, Mary. *Passed*—Elliott, Sarah P.; Elliott, G. R. B.; Frame, S. H.; Kirker, E. A.; McIntosh, Mary Gertrude; Ritchie, A. B.; Vickery, R. E.; Wilson, J. L.

## ENGLISH.

SIXTH: *Class I*—Forrest, Jean F.; Miller, L. J.

FOURTH: *Class I*—Forrest, Jean F.; Miller, L. J. *Passed*—Bradley, J. A.; Chisholm, Maud; †Gordon, Jean A. M.; Howatt, I. B.; Kennedy, J. H.; Layton, R. B.; Liechti, Minnie; McKay, W. A.; Main, C. O.; Marshall, G. R.; Morrison, F. A.; Ross, D. E.; Ruggles, V. D.; Sproule, M. J.; Williams, Winifred.

THIRD: *Class I*—Cann, Jeannette A.; \*Fraser, W. P.; \*Mackenzie, K. F.; Mackenzie, W. R.; \*Sedgewick, G. H. *Class II*—Bentley, Regina A. *Passed*—Read, Winifred; Richardson, Lois.

SECOND: *Class I*—Davis, D. G.; Fash, I. Mabelle; \*MacDougall, E. Mary; Stairs, G. S. *Class II*—Cameron, G.; Coffin, W. H.; Donovan, Florence; Lindsay, Jean F.; McCurdy, R. Mabel; Matheson, C. W.; Meek, J. G.; Mitchell, G. A.; Proudfoot, J. A.; Webster, Winifred; Young, L. L. *Passed*—Baxter, Elizabeth C.; Blois, H. H.; Currie, Anna D.; Daviss, A. E.; DeWolfe, L. A.; Elliott, L. B.; Fraser, H. J.; Gordon, G. H.; Locke, E. C.; Loughead, G. W.; McCleave, A. R.; McDonald, J. D.; McKay, D. L.; McKean, W. F.; Macleod, D. J.; Malcolm, J.; Mellish, J. R.; Miller, G. W.; Perkins, E.; Roy, A.; Smith, A. A.; Smith, D. M.; Upham, H. M.; Young, A. M.

\*High First Class.

†Passed by special resolution.

FIRST: *Class I*—Blackwood, E. Florence; Brunt, H. D.; Corbett, W. M.; Crowdis, C. J.; \*Gordon, Wilhelmina; Haverstock, W. E.; *Class II*—Bayer, Harriet M.; Campbell, Primrose; Frame, H. A.; Power, W. K.; Scrimgeour, J. A.; Spicer, H. J.; Spencer, Thomas G. *Passed*—Achan, J. L.; Andrew, G. A.; Archibald, F. R.; Batton, Viola M.; Begin, T. S.; Bigney, A. L.; Braine, A. M.; Cameron, J. J.; Cameron, T. G.; Carney, M. J.; Coffin, G. A.; Elliot, Sarah P.; Elliott, G. R. B.; Frame, S. H.; Fraser, E.; Fraser, W.; Hudson, J. W.; Kelly, W.; Kirker, E. A. Langille, G. W.; Logan, F. R.; McDonald, R.; McIntosh, M. Gertrude; MacKay, G. M. J.; MacKean, G. A. R.; Mackenzie, T. G.; Muir, D. H.; Parsons, W. H.; Payzant, A. S.; Ritchie, A. B.; Ross, W. M.; Trueman, J. M.; Vickery, E. R.; Weldon, R. C.

## HISTORY.

SENIOR: *Class I*—Forrest, Jean, F.; Lawson, D. A.; Miller, L. J.; Williams, Winifred B. *Class II*—Harvey, E. K. *Passed*—Bradley, J. A.; Kennedy, J. H.; Main, C. O.; Ross, D. E.

JUNIOR: *Class I*—MacKenzie, W. R.; Morrison, F. A.; Richardson, Lophemia; Thomas, Louise L. *Class II*—Christie, G. A.; Myers, A. J. W. *Passed*—Bentley, Regina A.; Campbell, Jessie B.; Christie, G. A.; Fulton, T. T.; Fraser, H. J.; Gordon, Jean A. M.; Grant, W. M.; Morrison, Bertha L.; Nicholson, D. J.; Nicholson, Wm.; Rand, Annie M.; Read, Winifred B.; Shaw, R. M.; Stavert, R. H.; Vance, F. S.

## POLITICAL ECONOMY.

*Class I*—Forrest, Jean F.; Lawson, D. A.; Williams, Winifred, B. *Class II*—Harvey, E. K.; Morrison, F. A. *Passed*—Chisholm Maud; Christie, C. V.; Howatt, I. B.; Kennedy, J. H.; Layton, R. B.; McKay, W. A.; MacKean, Jas. A.; MacLeod, C. A.; Main, C. O.; Nicholson, W.; Ruggles, V. D.; Scrimgeour, Jas. A.; Vance, F. S.

## PHILOSOPHY.

ADVANCED: *Class II*—Macpherson, M. J.

GREEK: *Class I*—\*Cann, Jeanette A.; Forrest, Jean F., Harvey, E. K.; Howatt, J. B.; Lawson, D. A.; Miller, L. J.; Williams, Winifred B. *Class II*—Main, C. O.; Stavert, R. H.; Thomas, Louise L. *Passed*—Bentley, Regina A.; Bradley, J. A.; Campbell, Jessie B.; Grant, W. M.; Layton, R. B.; McKay, W. A.; MacKean, J. A.; Mackintosh, F. G.; MacLeod, C. A.; Macpherson, M. J.; McQueen, N.; Morrison, F. A.; Nicholson, D. J.; Nicholson, W.; Rand, Annie M.; Read, Winifred; Ross, D. E.

MODERN: *Class I*—\*Cann, Jeanette A.; Harvey, E. K.; Howatt, J. B.; Mackie, I. C.; Macpherson, M. J.; Main, C. O.; Myers, A. J. W. *Class II*—Grant, W. M.; Lawson, D. A.; Ruggles, V. D. *Passed*—Chisholm Maud; Christie, G. A.; Fraser, H. J.; Kennedy, J. H., Layton, R. B.; McKay, W. A.; Morrison, F. A.; Nicholson, D. J.; Nicholson, W.; Sedgewick, G. H.; Stavert, R. H.; Vance, F. S.

JUNIOR: *Class I*—Fraser, W. P.; McCurdy, R. Mabel. *Class II*—Cameron, G.; Coffin, W. H.; Donovan, Florence; Fraser, H. J.; MacDougall, E. Mary; Meek, J. G.; Webster, Winifred M. *Passed*—Blois, H. H.; Daviss, A. E.; Davis, D. G.; Fash, I. Mabel; Lindsay, F. Jean; Locke, E. C.; Loughead, G. W.; McKay, D. L.; McKeen, Winifred; McLeod, D. J.; Malcolm, J.; Matheson, C. W.; Mellish,

J. R.; Miller, G. W.; Mitchell, G. A.; Morrison, Bertha L.; Perkins, Ella D.; Proudfoot, J. A.; Roy, Alex.; Smith, A. A.; Smith, D. M.; Sproule, Mary J.; Stairs, G. S.; Upham, H. M.; Young, A. M.; Young, L. L.

## EDUCATION.

THEORY AND HISTORY: *Class I*—Harvey, E. K.; \*O'Brien, Mary A. *Class II*—Lawson, D. A.; MacKenzie, W. R. *Passed*—McDonald, W.; Ross, D. E.

HISTORY: *Passed*—Murray, Laura E.

PRACTICE: *Passed*—O'Brien, Mary A.; Wood, B. J.

## MATHEMATICS.

ADVANCED: (*Fourth Year*): *Class II*—Boehner, R. S.; Stewart, W. E.

ADVANCED: (*Third Year*): *Class I*—Lindsay, M. A. *Passed*—Fulton, T. T.; Stewart, W. E.; Wilson, J. L.

SENIOR: *Class I*—DeWolfe, L. A.; McCurdy, Rahno M.; McDougall, E. Mary; Mitchell, G. A. *Class II*—Cameron, G.; Elliot, L. B.; Lindsay, F. Jean; McDonald, J. D.; Meek, J. G.; Webster, Winifred M. *Passed*—Baxter, N. M.; Blois, H. H.; Coffin, W. H.; Davis, D. G.; Daviss, A. E.; Donovan, Florence; Fash, I. Mabelle; Gordon, G. H.; Locke, E. C.; McCleave, A. R.; McLeod, D. J.; Malcolm, J.; Matheson, C. W.; Mellish, J. R.; Rand, Annie M.; Roy, Alex.; Smith, D. M.; Stairs, G. S.; Upham, H. M.; Young, A. M.; Young, L. L. *Passed in Geometry*—Perkins, Ella D.; Smith, A. A. *Passed in Algebra*—Johnston, Mary McN.

JUNIOR: *Class I*—Blackwood, Florence; Frame, H. A.; Haverstock, W. E.; \*Serimgeour, J. A.; Spencer, Minnie. *Class II*—Bayer, Harriet; Begin, T. S.; Brunt, H. D.; Campbell, Primrose; Corbett, W. M.; Crowdis, C. J.; Elliott, G. R. B.; Fraser, E.; Kirker, E.; Macdonald, R.; MacKay, G. M. J.; MacKenzie, T. G. *Passed*—Acham, J. L.; Andrew, G. A.; Archibald, F. R.; Batton, Viola; Bigney, Anna; Braine, Annie; Cameron, J. J.; Cameron, T. G.; Carney, M.; Coffin, G. A.; Elliott, Primrose; Ferguson, A.; Frame, S.; Fraser, W.; Gordon, Wilhelmina; Kelly, Wm.; Langille, G. W.; Logan, F. R.; McIntosh, Gertrude; McKean, G. A. R.; Payzant, A. S.; Power, W. K.; Ritchie, A. B.; Spicer, H. J.; Sutherland, R. H.; Trueman, J. M.; Weldon, R. C.; Wood, A. *Passed in Geometry*—Tucker, H. S.

## PHYSICS.

SENIOR: (Dynamics): *Class I*—\*Fleming, E. M.; Rielly, J. F. *Class II*—Gould, W. M. *Passed*—Boehner, R. S.; Lindsay, M. A.; McKeen, W. G.; O'Brien, Mary A.; Wood, B. J.; Wilson, J. L.

JUNIOR: *Class I*—DeWolfe, L. A.; \*Fleming, E. M.; McKeen, W. G.; Rielly, J. F. *Class II*—Christie, C. V.; McDonald, J. D.; Myers, A. J. W. *Passed*—Baxter, N. M.; Campbell, Jessie B.; Chisholm, Maud; Christie, G. A.; Elliott, L. B.; Fash, Ida M.; Fulton, T.; Gordon, G. H.; McCleave, A. R.; McKenzie, W. R.; Miller, G. W.; Morrison, Bertha L.; Nicholson, D. J.; Proudfoot, J. A.; Rand, Annie M.; Read, Winifred; Shaw, R. M.; Stavert, R. H.; Thomas, Louise; Vance, F. S.

ADVANCED PRACTICAL: *Passed*—Gould, W. M.; Hebb, T. C. (Class distinction not yet determined).

SENIOR PRACTICAL: *Class I*—O'Brien, Mary A. *Passed*—Boehner, R. S.

JUNIOR PRACTICAL: *Class I*—Lindsay, M. A.

## APPLIED MECHANICS.

*Class II*—Fulton, T. T. *Passed*—Stewart, W. E.

## CHEMISTRY.

SENIOR: *Class I*—\*Blackwood, Florence; Christie, G. A.; DeWolfe, L. A. *Class II*—Fraser, W. P.; Morrison, Bertha L.

JUNIOR: *Class I*—Campbell, Primrose; Crowdis, C. J.; Haverstock, W. E.; Mackay, G. M. J.; Mackenzie, T. G.; Shaw, R. M. *Class II*—Archibald, F. R.; Bayer, Harriet M.; Bigney, Anna L.; Elliott, G. R. B.; Gordon, Wilhelmina; Logan, F. R.; Ritchie, A. B.; Spencer, Minnie; Sutherland, R. H.; Weldon, R. C. *Passed*—Acham, J. L.; Andrew, G. A.; Braine, Annie M.; Brunt, H. D.; Coffin, G. A.; Corbett, W.; Elliott, S. E. Primrose; Ferguson, A.; Fleming, E. M.; Frame, H. A.; Frame, S. H.; Fraser, E.; Kelly, W.; Kirker, E. A.; Langille, G. W.; McDonald, R.; McIntosh, Gertrude; Nicholson, W.; Power, W. Kent; Scrimgeour, J. A.; Spicer, H. J.; Thomas, Louise; Trueman, J. M.; Vickery, R. E.; Wood, A.

ADVANCED PRACTICAL: *Class II*—Mackie, I. C.; O'Brien, Mary; Wood, B. J. *Passed*—Stewart, W. E.

SENIOR PRACTICAL: *Class II*—Blackwood, Florence; Christie, G. A.; DeWolfe, L. A. *Passed*—Baxter, N. M.; Fraser, W. P.; Gordon, G. H.; Moody, Margaret H.; Morrison, Bertha L.

JUNIOR PRACTICAL: *Class II*—Ross, D. E.; Shaw, R. M. *Passed*—Wilson, J. L.

## MINERALOGY.

*Class II*—O'Brien, Mary. *Passed*—Wood, B. J.

## MECHANICS AND MACHINERY.

1. *Passed*—Stewart, W. E.

## DESCRIPTIVE GEOMETRY.

2. *Class II*—O'Brien, Mary A. *Passed*—Baxter, R. M.; DeWolfe, L. A.; Elliot, L. B.; Gordon, G. H.; McCleave, A. R.; Wilson, J. L.

## SURVEYING.

3. SENIOR: *Passed*—Stewart, W. E.

JUNIOR: *Class II*—McCleave, A. R. *Passed*—Elliott, L. B.; Wilson, J. L.

## MINING AND METALLURGY.

4. *Class II*—Stewart, W. E.

## HYDRAULIC ENGINEERING.

5. *Passed*—Campbell, J. A.; Stewart, W. E.

## BOTANY.

6. *Class II*—Fraser, W. P.; Mackay, Katherine D.; Mackie, I. C. *Passed*—Haverstock, W. E.; Low, Margaret; Mackay, V. N.; Proudfoot, J. A.

## ZOOLOGY.

7. *Class I*—Fraser, W. P. *Class II*—McKay, V. N.; Ross, D. E. *Passed*—DeWolfe, L. A.; Mackie, I. C.; Shaw, R. M.

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\*High First Class.

## FACULTY OF LAW.

## DEGREE EXAMINATIONS.

## CLASS LISTS.

## REAL PROPERTY, 1ST YEAR.

*Class I.*—Macleod, Edward A., Ritchie. *Passed.*—Bill, Craig, DeWolfe Miss, Hanson, Hutchinson, Macleod, Colin A., Miller, Parlee, Phalen, Rhodes, Savary, Smith, Worsley.

## WILLS.

*Class I.*—Chipman, Harris, Reid, McCurdy. *Passed.*—Bill, Calder, Lockhart, McDonald, Moseley, Parlee, Phalen, Pugsley, Rhodes, Ritchie, Sanford, Smith, G. P., Squires, Worsley.

## CONTRACTS.

*Class I.*—Miller, Hutchinson, Savary. *Passed.*—Craig, DesBarres, Macleod, Colin A., Macleod, Edward A., Phalen, Ritchie.

## SALES.

*Class I.*—Cumming, Lockhart, Routledge, McDonald, Calder, McCurdy, Parlee, Hanson. *Passed.*—Bill, Chipman, Harris, Keith, McNeil, Matheson, Moseley, Murray, Pugsley, Regan, Reid, Rhodes, Ritchie, Smith, G. P., Squires, Sutton, Worsley.

## EQUITY.

*Class I.*—Macleod, Edward A., Cumming, Squires, Calder, Ritchie, Lockhart, Reid, Regan. *Passed.*—Bill, Chipman, Hanson, Harris, Keith, McCurdy, McDonald, Macneil, Matheson, Moseley, Murray, Oland, Parlee, Pugsley, Rhodes, Routledge, Sanford, Smith, G. P., Sutton, Worsley.

## INTERNATIONAL LAW.

*Class I.*—Cumming, Matheson, McNeil. *Passed.*—Keith, Murray, Regan, Sutton.

## CONSTITUTIONAL LAW.

*Class I.*—McCurdy, Pugsley. *Passed.*—Calder, Chipman, Harris, McDonald, Moseley, Reid, Sanford, Squires.

## CONSTITUTIONAL HISTORY.

*Class I.*—Hutchinson, Craig. *Passed.*—DesBarres, Kennedy, J. H., MacKean, J. A., Macleod, Colin A., Main, C. O., Phalen, Savary.

## SHIPPING.

*Class I.*—Reid, Routledge. *Passed.*—Bill, Calder, Chipman, Hanson, Harris, Lockhart, McCurdy, McDonald, Ritchie, Squires, Worsley.

## TORTS.

*Class I.*—Macleod, E. A., Hutchinson, Phalen, Ritchie. *Passed.*—Bill, Craig, DesBarres, DeWolfe Miss, Macleod, C. A., Rhodes, Savary, Smith.

## EVIDENCE.

*Class I.*—Cumming, Squires, Routledge, Regan, McNeil, Sutton, Lockhart, Ritchie, Keith, Chipman, Pugsley, Worsley. *Passed.*—Bill, Calder, Hanson, Harris, McCurdy, McDonald, Matheson, Murray, Reid, Rhodes, Sanford, Smith.

## CONFLICT OF LAWS.

*Class I.*—Cumming, Routledge, Pugsley, Sutton. *Passed.*—Hanson, Keith, Lockhart, McNeil, Matheson, Murray, Oland, Regan, Smith.

## CRIMES.

*Class I.*—MacLeod, Edward A., Hutchinson, Phalen, Craig, *Passed.*—Bell, DesBarres, Parlee, Rhodes, Ritchie, Savary, Smith, Worsley.

## PROCEDURE.

*Class I.*—Cumming, Routledge, Macneill, Pugsley. *Passed.*—Blenkhorn, Keith, MacKay, Matheson, Moseley, Regan.

## FACULTY OF MEDICINE,

## GENERAL PASS LIST.

(Alphabetical order.)

## PRIMARY M. D., C. M., EXAMINATIONS.

*Section "A"—First Year.*

\*Archibald, C. C.; Buckley, C. E. A.; Champion, J. B.; †Coffin, Melville; †Crawford, D. McN.; Cunningham, A. R.; Day, F. B., †Earle, R. W. L.; Farquharson, W. O.; \*Fisher, F.; \*†Fuller, L. O., Gillis, A. C.; Hardy, G. A.; \*Harris, W. C.; Jardine, F. W.; Johnson; T. R.; Layton, J. S.; McDonald, T. D.; McDonald, T. H.; McKay; D. A.; McKenzie, D. W.; McKenzie, Miss J.; McKenzie, L. B.; †McKinnon, W. T. M.; Miller, A. F.; \*Morrison, J. C.; †Rankine, John; \*Rice, Miss Grace E. B.; Richardson, C. A. C.; Slayter, R. U.; Stephens, F. N.

*Section "B"—Second Year.*

†Archibald, C. C.; Austen, Miss M. M.; Brehaut, Lester; Burris, H. L.; \*Campbell, D. G. J.; Coffin, Melville; \*Harris, W. C.; \*King, A. A.; Lawson, W. A.; McCuish, K. A.; \*McGarry, P. A.; Maciver, J. A.; §McKenzie, J. J.; McKenzie, K. A.; McLeod, A. C.; Morrison, J. C.; §Morse, G. R.; Munro, Miss B. M.; Murray, Daniel; Potter, J. L.; Whitman, G. W.; Woodbury, F. V.; \*Woodland, G. H.

## FINAL M. D., C. M. EXAMINATIONS.

*Section "A"—Third Year.*

Blackadar, R. L.; Borden, L. E.; Cameron, C. P. P.; \*Cameron, Harold; Campbell, D. G. J.; Cock, J. L.; Corston, J. R.; †Faulkner, E. R.; Fulton, S. A.; Harris, W. C.; Hebb, A. M.; King, A. A.; McGarry, P. A.; McKay, Wm.; McKinnon, W. F.; Miller, J. R.; Morse, G. R.; Murphy, G. H.; Philp, Miss M. A. L.; Phinney, W. S.; Watson, D. T. C.; †Woodland, G. H.

\*Suppl. Exam., Sept. 1900.  
†Special Examination, Sept. 1900

‡Suppl. April, 1901.  
§Special Exam., Feb. 1901.

## Section "B"—Fourth Year.

\*Braine, L. B. W.; Crosby, L. M.; Dickson, C. H.; Faulkner, E. R.; O'Brien, M. A.; O'Donnell, Miss F. M.; \*Reynolds, Wm. P.; Roach, E. B.; Robbins, W. H.; †Salter, O. R.; Thomas, Lewis; Wardrope, M. J.; Woodland, G. H.

## DEGREE EXAMINATIONS.

## CLASS LISTS.

Containing the names arranged in order of merit of students who passed in the various subjects.

## JUNIOR CHEMISTRY.

Rankine, John; Jardine, F. W.; Layton, J. S.; Farquharson, W. O.; (Hardy, G. A.; McDonald, T. D.); (McKay, D. A.; McKenzie, Miss Jemima; McKenzie, L. B.); Johnson, T. R.; Stephens, F. N.; Champion, J. B.; McDonald, T. H.; McKenzie, Miss E.; Buckley, C. E. A.; Day, F. B.; McKenzie, D. W.; Gillis, A. C.; Miller, A. F.; Richardson, C. A. C.; (Slayter, R. U.; Day, F. W.)

*Supplementary Examinations*—Sept. 1900, Fuller, L. O.; Coffin, M.; Rice, Miss G. E. B.; Earle, R. W. L.; Harris, W. C. April, 1901, Moseley, A. J.; Ford, T. R.

## JUNIOR ANATOMY.

Cunningham, A. R.; McKay, D. A.; Jardine, F. W.; McKenzie, Miss J.; McKenzie, D. W.; (Hardy, G. A.; Farquharson, W. O.); Rankine, John; McKenzie, L. B.; Layton, J. S.; McDonald, T. H.; Day, F. W.; Messinger, Miss S. M.; Miller, A. F.; Slayter, R. U.; Ellison, R. B. L.; Johnson, T. R.; Gillis, A. C.; Champion, J. B.; Day, F. B.; Stephens, F. N.; Buckley, C. E. A.; McDonald, T. D.; Kinkead, E. C.; Richardson, C. A. C.

*Supplementary Examinations*—Sept. 1900, Archibald, C. C. April, 1901, Crawford, D. McN.; Coffin, Melville; Moseley, A. J.; Fuller, L. O.; Norwood, E. B.

## HISTOLOGY.

*Supplementary Examinations*—Sept., 1900, Morrison, J. C.; Hawboldt, H. D.; Morse, C. D. April, 1901, (Earle, R. W. L.; McAulay, M. A.); Ford, T. R.; McKinnon, W. T. M.; Fuller, L. O.

## ELEMENTARY BIOLOGY.

Cunningham, A. R.; McKenzie, Miss Jemima; McKay, D. A.; Hardy, G. A.; Day, F. B.; Kinkead, E. C.; Stephens, F. N.; (McDonald, T. H.; Rankine, John); Champion, J. B.; McKenzie, Miss Eliza; (Messinger, Miss S. M.; Miller, A. F.); Jardine, F. W.; Buckley, C. E. A.; Slayter, R. U.; (Farquharson, W. O.; Johnson, T. R.; Richardson, C. A. C.); McDonald, T. D.; (Gillis, A. C.; McKenzie, D. W.)

ZOOLOGY *only*—Layton, J. S.; Barton, T. R.; Day, F. W.; (Ellison, R. B. L.; Moseley, A. J.)

*Supplementary Examinations, BIOLOGY*—Sept. 1900, Fisher, F.

ZOOLOGY *only*—Sept. 1900, Morrison, C. J.

April, 1901, Crawford, D. McN.; Norwood, E. B.; (Fuller, L. O. Wallace, P. J.)

\*Suppl. Exam., Sept., 1900.

†Special Exam., Sept., 1900.

‡Suppl. Exam., April, 1901.



## MEDICAL PHYSICS.

McKenzie, Miss Jemima; McDonald, T. H.; McKay, D. A.; Hardy, G. A.; McDonald, T. D.; Johnson, T. R.; Buckley, C. E. A.

## SENIOR CHEMISTRY.

McKenzie, K. A.; Austen, Miss M. M.; Brehaut, Lester; (Lawson, W. A.; Murray, Daniel); Munro, Miss B. M.; Morrison, J. C.; Burris, H. L.; Morrison, Miss B. L.; Whitman, G. W.; (Coffin, Melville; Potter, J. L.) Woodbury, F. V.; McLeod, A. C.; Maciver, J. A.; Hawboldt, H. D.; McCuish, K. A.

*Supplementary Examinations—Sept., 1900*, King A. A.; Woodland, G. H.; McGarry, P. A.; Fuller, L. O.; (Campbell, D. G. J.; Harris, W. C.)

*Special Examination, Feb. 1901*, McKenzie, J. J.

## SENIOR ANATOMY.

McKenzie, K. A.; (Austen, Miss M. M.; Burris, H. L.; Lawson, W. A.) Potter, J. L.; Murray, Daniel; Munro, Miss B. M.; Coffin, Melville; (Crawford, D. McN.; McCuish, K. A.); (Whitman, G. W.; McLeod, A. C.); Brehaut, Lester; Hawboldt, H. D.; Morrison, J. C.; McAulay, M. A.; Woodbury, F. V.; Earle, R. W. L.; Maciver, J. A.; McKinnon, W. T. M.; Fuller, L. O.; Ellison, R. B. L.

*Supplementary Examination, April, 1901*, Archibald, C. C.

## PHYSIOLOGY AND HISTOLOGY.

McKenzie, K. A.; Lawson, W. A.; (Burris, H. L.; Whitman, G. W.) Murray, Daniel; (Austen, Miss M. M.; McLeod, A. C.) Woodbury, F. V.; Potter, J. L.; (Coffin, Melville; Morrison, J. C.) Munro, Miss B. M.; Dickey, E. E.; Brehaut, Lester; Norwood, E. B.; Ford, T. R.; Hawboldt, H. D.; McAulay, M. A.; (Maciver, J. A.; McKinnon, W. T. M.); Crawford, D. McN.; McCuish, K. A.

*Supplementary Examination, Sept. 1900*, King, A. A.; McKenzie, J. J.; Harris, W. C.

*Special Examination, Feb. 1901*, Morse, G. R.

## MATERIA MEDICA, PHARMACY, AND THERAPEUTICS.

Morse, G. R.; (Hebb, A. M.; Millar, J. R.) Fulton, S. A.; Borden, L. E.; Corston, T. R.; Philp, Miss M. A. L.; Watson, D. T. C.; Blackadar, R. L.; Campbell, D. G. J.; King, A. A.; Phinney, W. S.; Murphy, G. H.; Cameron, C. P. P.; McKay, Wm.; McGarry, P. A.; McKinnon, W. F.; Harris, W. C.; Cock, J. L.

*Special Examination, Sept. 1900*, Faulkner, E. R.

*Supplementary Examination, April, 1901*, Woodland, G. H.

## MEDICAL JURISPRUDENCE, INSANITY, AND HYGIENE.

Corston, J. R.; Phinney, W. S.; Millar, J. R.; Fulton, S. A.; Hebb, M.; (Campbell, D. G. J.; Morse, G. R.) Borden, L. E.; (King, A. A.; McKay, Wm.) (Blackadar, R. L.; Watson, D. T. C.) (Harris, W. C.; Philp, Miss M. A. L.); (McKenzie, J. J.; Cock, J. L.); McGarry, P. A.; McKinnon, W. F.; Murphy, G. H.) Cameron, C. P. P.

*Special Examination, Sept. 1900*, Faulkner, E. R.

## PATHOLOGY AND BACTERIOLOGY.

Corston, J. R.; Morse, G. R.; Fulton, S. A.; Millar, J. R.; Hebb, A. M.; Blackadar, R. L.; Campbell, D. G. J.; King, A. A.; (Cock, J. L.; McGarry, P. A.) McKay, Wm.; McKinnon, W. F.; Watson, D. T.

C.; (Borden, L. E.; Cameron, C. C. P.); Philp, Miss M. A. L.; Murphy, G. H.; Phinney, W. S.; Harris, W. C.

*Special Examination, Sept. 1900*, Faulkner, E. R.

*Supplementary Examination, Sept. 1900*, Cameron, Harold.

#### SURGERY.

Faulkner, E. R.; Roach, E. B.; Robbins, W. H.; Thomas Lewis; Wardrope, M. J.; Woodland, G. H.; Dickson, C. H.; O'Brien, M. A.; Crosby, L. M.; O'Donnell, Miss F. M.; Cochran, W. N.

*Special Examination, Sept. 1900*, Salter, O. R.

#### CLINICAL SURGERY.

Crosby, L. M.; Woodland, G. H.; Faulkner, E. R.; Roach, E. B.; Robbins, W. H.; O'Brien, M. A.; Wardrope, M. J.; Cameron, Harold; Thomas Lewis; O'Donnell, Miss F. M.; Dickson, C. H.

*Special Examination, Sept. 1900*, Salter, O. R.

#### MEDICINE.

Faulkner, E. R.; Roach, E. B.; Crosby, L. M.; Cameron, H.; Wardrope, M. J.; (Woodland, G. H.; Robbins, W. H.); (Cochran, W. N.; O'Brien, M. A.); Thomas Lewis; Dickson, C. H.; O'Donnell, Miss F. M.

*Special Examination, Sept. 1900*, Salter, O. R.

*Supplementary Examination, Sept. 1900*, Braine, L. B. W.; Reynolds, W. P.

#### CLINICAL MEDICINE.

Roach, E. B.; (Faulkner, E. R.; Thomas Lewis); Wardrope, M. J.; O'Brien, M. A.; Woodland, G. H.; Crosby, L. M.; (O'Donnell, Miss F. M.; Robbins, W. H.); Dickson, C. H.

*Special Examination, Sept. 1900*, Salter, O. R.

#### OBSTETRICS AND DISEASES OF WOMEN AND CHILDREN.

Roach, E. B.; O'Brien, M. A.; Faulkner, E. R. (Crosby, L. M. O'Donnell, Miss F. M.); Robbins, W. H.; Woodland, G. H.; Dickson, C. H.; Wardrope, M. J., Thomas, Lewis.

*Special Examination, Sept. 1900*, Salter, O. R.

## GRADUATES.

## DOCTORS OF LAWS.

(Honoris Causá).

- |  |  |
|--|--|
| 1896 a Bailey, Loring Woart, <i>M. A., Ph. D., F. R. S. C.</i> | 1892 f MacKay, Alex. Howard, <i>B. A., B. Sc., F. R. S. C.</i>       |
| 1901 b Fraser, Chas. Frederick, <i>M. A.</i>                   | 1896 † Patterson, Rev. George, <i>D. D., F. R. S. C.</i>             |
| 1892 c Gilpin, Edwin, Jr., <i>A. M., F. R. S. C.</i>           | 1893 g Sedgewick, Hon. Robert.                                       |
| 1892 d Grant, Very Rev. Geo. Munro, <i>D. D., F. R. S. C.</i>  | 1901 h Smith, Rev. T. Watson, <i>D. D.</i>                           |
| 1900 e Johnson, John, <i>M. A. (Dub.)</i>                      | 1892 † Thompson, Rt. Hon. Sir John Sparrow David, <i>K. C. M. G.</i> |
| 1896 † Kingsford, Wm., <i>C. E., LL. D., F. R. S. C.</i>       |  |

## MASTERS OF ARTS.

- |  |   |
|--|---|
| 1876 Allan, John Munn.                                     | 1901 Macdonald, Murdoch Stewart.                                      |
| 1872 Annand, Joseph, <i>D. D.</i>                          | 1895 Macdonald, Peter McLaren.  |
| 1897 Archibald, Alexander David.                           | 1874 MacGregor, Prof. James Gordon, <i>D. Sc., F. R. S.</i>           |
| 1898 Archibald, Herb. Thompson.                            | 1897 McIntosh, Charles Daniel.  |
| 1894 Archibald, Sara Elizabeth.                            | 1900 Macintosh, Finlay H.   |
| 1878 Archibald, Wm. Prescott, <i>B. D.</i>                 | 1896 Macintosh, John, <i>B. D.</i>                                    |
| 1898 Austen, Minna May.                                    | 1901 Mackintosh, Peter Duncan.  |
| 1899 Baird, Frank, <i>B. A.</i>                            | 1895 † Mackay, Angus Wm.  |
| 1900 Barnes, James.  | 1898 McKay, Ira.  |
| 1892 † Baxter, Agnes Sime, <i>Ph. D.</i>                   | 1895 Mackay, John Daniel, <i>B. D.</i>                                |
| 1872 † Bayne, Prof. Herbert A., <i>Ph. D., F. R. S. C.</i> | 1897 McKay, Mary Alexandra.   |
| 1896 Bent, Matilda Agatha.                                 | 1899 McKay, Wm. Roderick, <i>M. A., (Prin.), ad eund grad.</i>        |
| 1898 Bigelow, Harry Veeder.                                | 1898 McKay, Thomas Calvin.  |
| 1899 Burchell, Charles Jost.                               | 1895 MacKenzie, Ellen Margaret.                                       |
| 1890 Burkitt, Robert James.                                | 1875 MacKenzie, Hugh.   |
| 1897 Butler, George Killam.                                | 1872 † MacKenzie, Prof. Jno. J., <i>Ph. D.</i>                        |
| 1898 Cameron, Ira William.                                 | 1897 McLean, Laughlin Hugh, <i>B. A.</i>                              |
| 1871 Campbell, John J.                                     | 1887 McLennan, John William, <i>B. D.</i>                             |
| 1895 Campbell, William Robert.                             | 1878 † McLeod, Alexander, <i>Ph. D.</i>                               |
| 1871 Carr, Arthur F.                                       | 1880 † McLeod, John Wilson.   |
| 1869 Chase, Joseph Henry.                                  | 1897 McNairn, William Wallace.  |
| 1899 Church, Nina Elizabeth.                               | 1870 McNaughton, Samuel.  |
| 1881 † Creelman, David Fulton.                             | 1898 MePhee, Margaret Janet.  |
| 1891 Crowell, Edwin.                                       | 1899 Millar, Jas. Ross.   |
| 1896 Currier, Frank Allison.                               | 1896 Milligan George Seaton.  |
| 1900 Davis, Roy.   | 1894 Morton, Silvanus Archibald.                                      |
| 1883 Dickie, Alfred.                                       | 1899 Murdoch, Wm. Clarence, <i>M. A., (Prin.), ad eund grad.</i>      |
| 1888 Fitzpatrick, Hiram Henry Kirkwood, <i>LL. B.</i>      | 1901 Murray, Adam Henry Stewart                                       |
| 1897 Forbes, Edgar William.                                | 1893 Murray, Prof. Walter Chas., <i>M. A., (Edin.), ad eund grad.</i> |
| 1872 † Forrest, James.                                     | 1901 Myers, Charles Allan.  |
| 1897 Foster, Arthur Hayward, <i>B. D.</i>                  | 1881 Newcombe, Edm. Leslie, <i>LL. B.</i>                             |
| 1897 Frame, David Annand.                                  | 1898 Nicholson, John Wm. Angus.                                       |
| 1891 Grant, David Kenzie.                                  | 1901 Outhit, Wm. Edward.  |
| 1898 Grant, George Alexander.                              | 1887 Patterson, George Geddie.  |
| 1895 Grant, Melville Finlay.                               | 1896 † Robins, Edwin Proctor.   |
| 1895 † Grant, Robert J., <i>B. D.</i>                      | 1895 Ross, Hedley Duncan Vicars.                                      |
| 1894 Harrington, Emily Bevan.                              | 1896 Ross, Jennie Wright.   |
| 1898 Hebb, Bertha Boyd.                                    | 1896 Ross, Mary Sophia.   |
| 1901 Hebb, Thos. Carlyle.                                  | 1901 Ross, William Alexander.   |
| 1898 Hepburn, William Murray.                              | 1875 Scott, Ephraim.  |
| 1878 Herdman, Jas Chalmers, <i>D. D.</i>                   | 1871 Smith, David H.  |
| 1881 Herdman, William Close.                               | 1890 † Smith, James Festus, <i>B. D.</i>                              |
| 1895 Jamieson, Harriet Jane.                               | 1897 Smith, William Henry, <i>B. D.</i>                               |
| 1898 Jordan, Edward Elliot.                                | 1896 Strathie, Ralph Grant, <i>B. D.</i>                              |
| 1878 Jordan, Louis Henry, <i>B. D.</i>                     | 1898 Sutherland, George Adam.   |
| 1888 Langille, R. McDonald, <i>LL. B.</i>                  | 1898 Trefry, James Hartley.   |
| 1894 Logan, Prof. Jno. Dan., <i>Ph. D.</i>                 | 1878 Trueman, Arthur I., <i>D. C. L.</i>                              |
| 1880 Logan, Richmond.                                      | 1878 Trueman, Margaret Florence.                                      |
| 1894 McArthur, Samuel Johnson.                             | 1899 Watt, Arthur Wm.   |
| 1895 Macdonald, Charles de Wolf.                           |   |
| 1870 † McDonald, John H.                                   |   |

† Deceased.

a Prof. of Nat. Hist. N. B. Univ.

b Prin. Hfx. School for the Blind.

c Dep.-Commr. of Mines N. S.

d Prin. Queen's Univ., Kingston.

e Emeritus Prof. of Classics, Dal. Un.

f Supt. of Education, N. S.

g Judge of Supreme Court of Canada.

h Author of *History of Methodism, The Slave in Canada, etc.*

## MASTERS OF LETTERS.

1893 Muir, Ethel, *Ph. D.*

| 1900 Hobrecker, Alma Helena.

## MASTER OF SCIENCE.

1898 Archibald, Ebenezer Henry.

## BACHELORS OF ARTS.

The numbers affixed in some cases to the names have the following significations:—

- |  |  |
|--|--|
| 1—High Honours in Classics.                    | 16—Hons. in Math and Physics.                        |
| 2—Honours in Classics.                         | 17—High Hons. in Experimental Physics and Chemistry. |
| 3—High Hons. in Latin and English.             | 18—Hons. in Exp. Phys. and Chem.                     |
| 4—Hons. in Latin and English.                  | 19—High Hons. in Chemistry and Chemical Physics.     |
| 5—High Hons. in Greek and English.             | 20—Hons. in Chem. and Chem. Phys.                    |
| 6—Hons. in Greek and English.                  | 21—Great Distinction.                                |
| 7—High Hons. in English and German.            | 22—Distinction.                                      |
| 8—Hons. in English and German.                 | 23—Governor-General's Gold Medal.                    |
| 9—High Hons. in English and English History.   | 24—Governor-General's Silver Medal.                  |
| 10—Hons. in Eng. and Eng. History.             | 25—Sir Wm. Young's Gold Medal.                       |
| 11—High Hons. in Philosophy.                   | 26—DeMille Gold Medal.                               |
| 12—Hons. in Philosophy.                        | 27—Mackenzie Gold Medal.                             |
| 13—High Hons. in Pure and Applied Mathematics. | 28—University Medal.                                 |
| 14—Hons. in Pure and App. Math.                | 29—1851 Exhibition Science Research Scholarship.     |
| 15—High Hons. in Mathematics and Physics.      | 30—Avery Prize.                                      |
- 
- |  |  |
|--|--|
| 1884 <i>a</i> Adams, Hy. Stanislaus, 14, 24.                             | 1895 Bent, Matilda Agatha.   |
| 1895 Aitken, Rob. Traven Davison.  | 1900 Bentley, John Skipwith, 22.                                   |
| 1885 + Aiton, William, 1, 23   | 1901 Best, Lillian Gertrude, 2.                                    |
| 1873 Allan, John Munn.   | 1894 Bigelow, Harry Veeder, 22, 30.                                |
| 1889 Allison, Edmund Powell.   | 1898 <i>f</i> Blanchard, Aubrey Blanchard, 12.                     |
| 1886 Allison, Matthew Gay, 30.   | 1880 Blanchard, Charles Waddell.                                   |
| 1899 Anderson, Chas Willoughby.  | 1899 Borden, Lorris Elijah.  |
| 1899 Anderson, Jas. Hy. Addison, 12.                                     | 1894 <i>g</i> Brehaut, Ernest, <i>M. A.</i> , 1, 28.               |
| 1893 Annand, Edward Ernest.  | 1891 <i>h</i> Brehaut, Jas. Wm., <i>B. A.</i> , 1.                 |
| 1869 <i>b</i> Annand, Joseph, <i>D. D.</i>                               | 1898 Brodie, William Stuart.                                       |
| 1895 Archibald, Adams Douglas.   | 1889 Brown, Ernest Nicholson, 12.                                  |
| 1895 Archibald, Alexander David.   | 1872 Bruce, William T., <i>M. D.</i>                               |
| 1899 Archibald, Eugenie, 22.   | 1873 Bryden, Charles William.                                      |
| 1877 + Archibald, Fred. Wm., <i>M. A.</i> , <i>B. D.</i> , <i>Ph. D.</i> | 1887 Buchanan, James Jost, 12.                                     |
| 1897 <i>c</i> Archibald, Herb. Thompson, <i>Ph. D.</i> , 1.              | 1898 Buchanan, Murdoch.  |
| 1892 Archibald, Sara Eliz., 21, 30.                                      | 1897 Burchell, Charles Jost.                                       |
| 1872 Archibald, Wm. Prescott, <i>B. D.</i>                               | 1867 Burgess, Joshua C.  |
| 1901 Armitage, Wm. Jas.  | 1889 Burkitt, Robt. Jas., <i>B. A.</i> , 14.                       |
| 1897 Austen, Minna May, 21, 30.  | 1899 Burris, Grace Dean.   |
| 1899 <i>cc</i> Baird, Jno. Wm. Adams, 13, 25.                            | 1896 <i>i</i> Butler, George Killam.                               |
| 1896 Baker, Elma.  | 1886 <i>j</i> Cahan, Charles Hazlitt.                              |
| 1892 Bacon, Frank Wright Mudge, 14.                                      | 1878 Cairns, John Andrew, <i>M. A.</i>                             |
| 1899 Barnes, James, 14, 29.  | 1886 Calder, John, <i>B. D.</i>                                    |
| 1893 Barnstead, Arthur Stanley.  | 1887 Calkin, Wm., Sommerville, 30.                                 |
| 1891 <i>d</i> Baxter, Agnes Sime, <i>Ph. D.</i> , 13, 25.                | 1879 Cameron, Chas. Symonds, 10.                                   |
| 1869 <i>e</i> + Bayne, Herbert And., <i>Ph. D.</i> , <i>F. R. S. C.</i>  | 1897 Cameron, Ira William, 13, 25.                                 |
| 1871 Bayne, Ernest Samuel.   | 1878 Cameron, John Hugh, 24.                                       |
| 1876 Bell, Francis Hugh, 2, 23.  | 1867 Cameron, John J.  |
| 1883 Bell, John Albert, 2, 23.   | 1873 Cameron, William, <i>Ex-M.P.P.</i>                            |
| 1900 Benoit, John Alphonse, 14.  | 1898 Campbell, Alvin Henry.  |
|  | 1886 Campbell, Alexander John.                                     |
|  | 1890 <i>k</i> Campbell, Donald Frank, <i>M. A.</i> , <i>Ph. D.</i> |
|  | 1898 Campbell, Duncan McDonald.                                    |

† Deceased.

*a* Sometime Prof. of Math. Detroit College.*b* Missionary in New Hebrides.*c* Sometime Fellow and Scholar, (J. H. U.), Prof. of Greek, Occidental College, Los Angeles.*cc* Scholar, (Cornell).*d* Sometime Fellow, Cornell.*e* Sometime Prof. of Chem., Royal

Mil. College, Kingston.

*f* Math. Master, St. And. Coll., Tor.*g* Sometime Scholar, Harvard; Prof.

of Latin, Colorado University.

*h* Supt. of Schools, North Attleboro,

Mass.

*i* Principal Alexandra School, Hfx.*j* Lecturer on Torts, Dalhousie Coll.*k* Sometime Fellow, (Harv.); Prof. of Mathem. (Armour Instit. Chic.)

1882 a	Campbell, Geo. Murray, 14, 25.	1896	Douglas, John Robert.
1889	Campbell, Jessie Brown.	1874	Doull, Walter Scott.
1892	Campbell, Robert Sedgewick.	1895	Duchemin, Henry Pope, 1, 28.
1887 b	Campbell, William Robert.	1873	Duff, Kenneth.
1872	Carmichael, James Matheson.	1879 †	Emerson, Robt. Rich. Jas., 30.
1868	Carr, Arthur F.	1900	Farquharson, Wm. Oban.
1882	Carson George Stephen, 30.	1897	Faulkner, Ebenezer Ross.
1879	Chambers, Frederick Bulmer.	1893	Finlayson, Duncan, <i>M.P.P.</i>
1877	Chambers, Robert Ernest.	1897	Fisher, Arthur Franklyn, <i>B.D.</i>
1890	Chapman, Adolphus Eugene.	1899	Fisher, Franklin.
1866	Chase, Joseph Henry.	1890	Fisher, James Mitchell.
1899	Chase, Marg. Hawthorne.	1900	Fisher, John Andrew.
1901	Chisholm, Maud.	1885	Fitzpatrick, Hiran Henry
1868 †	Christie, Thomas M.		Kirkwood, <i>LL. B.</i> , 12.
1896	Church, Nina Elizabeth, 3.	1875	Fitzpatrick, James.
1888	Clarke, Daniel McDonald.	1900	Flemming, Ethel Augusta.
1897	Clark, Harold Marston.	1887	Forbes, Antoinette.
1897	Cock, Daniel George.	1893	Forbes, Edgar William.
1886 c	Coffin, Fulton Johnson, <i>M. A.</i> ,	1899	Forbes, George Ernest.
	<i>Ph. D.</i> , 10.	1897	Forbes, William.
1885	Coffin, Frank Stewart.	1868 †	Forrest, James.
1897	Coffin, Robert Lewis.	1901	Forrest, Jean Fairbanks, 22.
1887 d	Coffin, Victor Edwin, <i>Ph.</i> , <i>D.</i> ,	1895	Foster, Arthur Hayward, <i>B.D.</i>
	9, 26.	1895	Frane, David Annand.
1890 e	Cogswell, Geo. Alfred, <i>Ph. D.</i>	1889 i	Fraser, Alexander, 11.
1898	Colquhoun, John George.	1895	Fraser, Alex. Lewis, <i>B. D.</i>
1887	Coops Frank Harvey, <i>M. D.</i> ,	1887	Fraser, Donald.
	<i>C. M.</i> , 2	1895	Fraser, Daniel Alexander, 22.
1898	Corston, James Robert.	1872 j	Fraser, Duncan Cameron, <i>M.P.</i>
1881	Costley, Alfred.	1874	Fraser, Daniel Stiles.
1891	Cox, George Hastings.	1894 †	Fraser, Hugh McLeod.
1894	Crawford, James Andrew.	1889	Fraser, John Keir Geddie.
1873 †	Creelman, David Fulton.	1883	Fraser, William Matheson, 24.
1881 f	Creelman, Hugh Graham,	1882 k	Fraser, Wm. Ritchie, <i>Ph. D.</i>
	<i>B. Sc.</i> , 14 23.	1889	Frazee, Victor Gladstone.
1868	Creighton, James G. A.	1899	Fulton, Clarence.
1880	Creighton, Henry Spurr	1890 †	Fulton, Eben.
1887 g	Creighton, James Edwin,	1889 l	Fulton, Edw., <i>M.A.</i> , <i>Ph. D.</i> 9, 26.
	<i>Ph. D.</i> , 11, 24.	1876	Fulton, Geo. Herb., <i>M.D.</i> , <i>C.M.</i>
1838	Crowe Henry Stanley, 21.	1888	Fulton, Willard Hill.
1880	Crowell, Edwin, 10, 23	1885	Gammell, Isaac, 9, 26.
1872	Cruikshank, William, <i>B. D.</i>	1878	George, John Lyall, 23.
1899 h	Cumming, Alison, 22.	1899	Glover, Benjamin.
1896	Cumming Bessie Arnot, 11.	1891	Goodwin, Emily Maud.
1897	Cumming, Melville.	1892 m	Graham, Robert Henry.
1896	Cummings, Alfred Graham.	1898 †	Grant, Clarence Fraser, 2.
1897	Cummings, Edward.	1888	Grant, David Kenzie.
1900	Cunningham, Allan Rupert.	1896	Grant, George Alexander.
1900	Cunningham, Wm. Andrew.	1894	Grant, Milton Daniel.
1896	Currie, William Douglas.	1894	Grant, Melville Finlay.
1895	Currier, Frank Allison.	1897 †	Grant, Mary Sibella.
1897	Dakin, William.	1894 †	Grant, Robert J., <i>B. D.</i>
1882	Davidson, Fulton Johnson.	1901	Grant, William McDonald.
1896	Davidson, Lilla Augusta.	1877 †	Grant, William Roderick.
1899	Davis, Roy, 9.	1892	Gratz, Humphrey Gilbert.
1889	Davison, James MacGregor.	1894	Gray, William Smith.
1897	Denoon, Alexander Hugh.	1891	Grierson, John Arthur.
1898	DeWolfe, Margaret Woodill.	1890 n	Grierson, Robert.
1879	Dickie, Alfred.	1872	Gunn, Adam.
1896	Dickie, Gordon, 22.	1901	Hallam, Wm. Thos., 2.
1883	Dickie, Henry.	1877	Hamilton, Howard Herbert.
1884	Dill Edmund Munro, <i>B. D.</i>	1892 o	Harrington, Emily Bevan, 9.
1900	Douglas, Edgar.	1901	Harvey, Edward Kitson, 22.
1893	Douglas, Ernest Augustus.	1889	Harvey, McLeod

† Deceased.

- a Prof. of Histology Hfx. Med. Coll., Examiner in Bacteriology and Pathology, Dal. Coll.  
 b Prin. of Truro Academy.  
 c Sometime Fellow, and Instr. in Comp. Religion (Chicago).  
 d Sometime Fellow (Cornell); Prof. of History (Wisconsin Univ.)  
 e Sometime Scholar (Cornell).  
 f Sometime Gilchrist Scholar, Vans Dunlop Scholar (Edin.) and Instr. in Exper. Phys. (Purdue).  
 g Sometime Fellow, now Prof. of Log. and Metaphys., (Cornell) and

- Co-Editor *Philos. Review* and *Kant's Studien.*  
 h Prin. Naparima Coll., San Fernando, Trinidad.  
 i Sometime Scholar & Fellow (Clark).  
 j Sometime Member N. S. Govt.  
 k Sometime Scholar, (J. H. U.); Prof. of Ancient Languages (Cosmopol. Univ.)  
 l Sometime Scholar (Harvard); Prof. of English (Wells Coll.)  
 m Sometime Mayor New Glasgow.  
 n Medical Missionary, Korea.  
 o Sometime Scholar (Bryn Mawr).

- 1897 Hattie, Robert McConnell.  
 1899 Hebb, Arthur Morrison.  
 1894 Hebb, Bertha Boyd.  
 1900 Hebb, Thomas Carlyle, 15.  
 1889 Henry, Joseph Kaye, 30.  
 1895 Hepburn, Wm. Murray, 21.  
 1877 Herdman, Andrew Walker.  
 1874 Herdman, Jas. Chalmers, *D.D.* 2.  
 1874 Herdman, William Close.  
 1897 He herington, Eva Florence.  
 1896 Hill, Allan Massey, *B. D.*  
 1892 *a* Hill, Albert Ross, *Ph. D.*, 11, 24.  
 1894 Hobrecker, Clara Charlotte, 8.  
 1898 Hockin, John George, 21.  
 1893 Howatt, Cornelius Alfred.  
 1891 *b* Hugh, David Douglas, *B. A.*,  
*M. A.*, 11, 24.  
 1873 Hunter, John.  
 1896 Irving, Thomas.  
 1894 Jamieson, Harriet Jane.  
 1894 Johnson, Ebenezer William.  
 1892 Johnson, George Fulton, *B. A.*,  
*B. D.*, 11.  
 1888 *†* Johnson, George Millar.  
 1892 Johnson, James Bayne  
 1900 Johnstone, Montague Malcolm  
 Stuart, 2.  
 1884 Jones, Frank.  
 1891 Jordan, Elijah John, 12.  
 1895 *c* Jordan, Edward Elliott, 13, 25.  
 1875 Jordan, Louis Hy., *B. D.*, 23.  
 1893 Keefer, Ralph Tupper.  
 1899 Keith, Donald.  
 1898 Kennedy, Elizabeth Erota.  
 1901 Kennedy, Jas. Horace.  
 1891 Kennedy, James Simon.  
 1900 Kent, Harry Arnold, 21, 30.  
 1880 Kinsman, Frederick Small-  
 wood, *M. D.*  
 1882 Knowles, James Harris, *M. D.*  
 1890 Laird, Alexander.  
 1889 *d* Laird, Arthur Gordon, *Ph. D.*,  
 1, 23.  
 1877 Laird, George Alexander.  
 1882 Landells, Robert  
 1885 Langille, Robert McDonald,  
*LL. B.*, 12, 24  
 1901 Lawson, David Alex.  
 1895 Lawson, Thomas, 14.  
 1895 Layton, James Smith.  
 1901 Layton, Robert Blackwood.  
 1886 Lewis, Abner Wm., *B. D.*  
 1898 Lewis, Bessie Blanche.  
 1890 *e* Lewis, Ernest William, 22.  
 1870 *f* Lindsay, Andrew Walker  
 Herdman, *M. B.*, *C. M.*  
 1899 *g* Lindsay, Chas. Fowler, 19.  
 1867 Lippincott, Aubrey, *M. D.*  
 1885 Locke, Robert Todd.  
 1898 Logan, Bessie Margaret.  
 1893 *h* Logan, John Dan., *Ph. D.*, 11.  
 1894 *i* Logan, Jotham Wilbert, 1, 28.  
 1873 Logan, Melville D.  
 1877 Logan, Richmond.  
 1893 McArthur, Samuel Johnson<sup>†</sup>  
*B. D.*  
 1901 MacCaskill, John James.  
 1891 McCurdy, James Farquhar.  
 1877 McCurdy, Stanley Tupper.  
 1901 Macdonald, Archibald J.  
 1892 Macdonald, Alvin Fraser.  
 1892 Macdonald, Alex. John.  
 1895 Macdonald, Blanche, 14.  
 1873 Macdonald, Charles de Wolf.  
 1898 Macdonald, Daniel John.  
 1884 McDonald, Donald, *B. D.*  
 1901 Macdonald, Ewen.  
 1893 Macdonald, Ida Grace.  
 1883 Macdonald, James Alex., 14, 24.  
 1867 *†* Macdonald, John H.  
 1900 *i* Macdonald, Murdoch Stewart,  
 11.  
 1894 Macdonald, Peter Maclaren.  
 1889 Macdonald, Robert James.  
 1888 Macdonald, William.  
 1881 Macdonald, Wallace Mortimer.  
 1900 Macdonald, Wentworth Stan-  
 ley, 1, 28.  
 1876 *†* McDowall, Isaac Murray.  
 1891 McGlashen, John Archy, *B. D.*  
 1874 McGregor, Daniel.  
 1871 *j* MacGregor, James Gordon,  
*D. Sc.*, *F. R. S. L. E.*, & *C.*  
 1896 MacGregor, Robt. Malcolm, 21,  
 30  
 1883 MacGregor, Thomas Spear, 14.  
 1899 MacIntosh, Charles Campbell.  
 1895 MacIntosh, Charles Daniel.  
 1890 Mackintosh, David Charles.  
 1892 MacIntosh, Don. Sutherland, 22.  
 1901 Mackintosh, Finlay Grant.  
 1898 Mackintosh, Finlay H.  
 1894 Macintosh, John, *B. D.*, 11.  
 1892 MacIntosh, John Alex., 22.  
 1900 Mackintosh, Peter Duncan.  
 1873 *k* MacKay, Alexander Howard,  
*B. Sc.*, *F. R. S. C.*, 14.  
 1897 MacKay, Alexander Leonard.  
 1894 *†* Mackay, Angus William, 11.  
 1899 Mackay, Annie.  
 1898 McKay, Catherine Wetmore.  
 1893 Mackay, Don. MacGregor, *M. D.*  
 1890 McKay, Duncan Oliver, 18.  
 1886 *l* Mackay, Eben., *Ph. D.*, 17, 27.  
 1883 Mackay, H. Martyn, *B. A.*, *Sc.*,  
 14.  
 1897 *m* McKay, Ira, *Ph. D.*, 11.  
 1894 Mackay, John Daniel, *B. D.*  
 1868 McKay, Kenneth.  
 1896 McKay, Mary Alexandra.  
 1892 Mackay, Murdoch Sutherland.  
 1886 Mackay, Neil Franklin, 17, 24.  
 1900 MacKay, Nora Katrina.  
 1893 *n* McKay, Thomas, 22.

*†* Deceased.

*a* Sometime Scholar and Fellow (Cornell); Prof. of Philosophy, (Nebraska).

*b* Sometime Fellow (Cornell); Prof. of Psychology, State Normal Sch. (Colorado).

*c* Instructor in Mathematics (Prince of Wales Coll.)

*d* Sometime Fellow (Cornell); Prof. of Greek (Wisconsin).

*e* Prin. of Restigouche Gram. Sch.

*f* Prof. of Anatomy (Halifax Med. Coll.)

*g* Sometime Fellow (J.H.U.) Demon. Chem. (McGill Univ.)

*h* Sometime Scholar (Harv.) and Interim Prof. of Philosophy (Ursinus Coll.); Prof. of Philosophy (Univ. So. Dakota.)

*i* Lecturer on Classics, Dal. Coll.

*i* Scholar (Cornell).

*j* Sometime Gilchrist Scholar and Lect. on Physics, Clifton Coll., Eng.; Prof. of Physics, (Dal. Coll.)

*k* Supt. of Education, N. S.

*l* Sometime Fellow (J. H. U.); Prof. of Chemistry (Dal. Coll.)

*m* Sometime Scholar and Fellow (Cornell).

*n* Asst. in Physics (Harv.)

1901	McKay, Wm. Alfred.	1896	Mahon, Harry Edmund.
1896	McKay, William Roderick.	1901	Main, Charles Ogg.
1900	McKee, Mabel.	1900	Mair, Catherine Firth.
1873	McKeen, James Abner.	1893	Martin, Albert John Darlel.
1885 a	MacKenzie, Arthur Stanley, <i>Ph. D.</i> , 14, 25.	1885	Martin, Kenneth John, 14.
1900	Mackenzie, Dav d Wallace, 14.	1877	Mason, William Alexander.
1894	MacKenzie, Ellen Margaret.	1888	Matheson, John Alex., <i>B. D.</i>
1890 †	MacKenzie, Geo. Norris, 11, 28.	1897	Maxwell, George Herbert.
1899	MacKenzie, George Wm., 14.	1897	Maxwell, Ruth Ellen.
1872	MacKenzie, Hugh.	1882	Mellish, Humphrey.
1878	MacKenzie, James.	1899	Messenger, Ralph James, 14.
1899	MacKenzie, Janie Lucinda.	1869	Millar, Ebenezer D.
1898	MacKenzie, John Bradshaw.	1890	Millar, George.
1869 b†	MacKenzie, John Jas., <i>Ph. D.</i>	1897	Millar, James Ross.
1882	MacKenzie, James Walter.	1901	Miller, Lemuel James, 22.
1901	MacKenzie, Luther Burns.	1894	Milligan, George Seaton.
1888 c†	MacKenzie, William John.	1899	Moody, Georgina Maud, <i>M. A.</i>
1901	Mackie, Irwin Cameron, 21.	1891	Moore, Clarence Leander, 22.
1900	McKinnon, Duncan Hugh.	1891	Morash, Albert Victor.
1890	McKinnon, John Archibald.	1895	Morris, Clarence H.
1877 cc	McKttrick Burgess, 24.	1888 j	Morrison, Alex. McGeachy, 13, 25.
1893	McLean, Charles Archibald.	1901	Morrison, Fred. Augustus, <i>LL. B.</i>
1879	Maclean, Isaac Matheson, <i>M. D.</i> , 2.	1900	Morrison, Jno. Wm. Geddie.
1876	McLean, James Alexander.	1898	Morton, James Roland.
1891	McLean, John Brown, <i>B. D.</i>	1876	Morton, Joseph Smith, <i>M. D.</i>
1897	Maclean, Lauchlin Alexander.	1895	Morton, Rupert Freeman.
1837	McLean, Stewart Clifford, 13.	1886 k	Morton, Silvanus Arch, 13, 25.
1899	McLellan, Leonard Blair.	1891	Munro, Christopher.
1888	McLennan, John Wm., <i>B. D.</i> , 30.	1878	Munro, George William.
1898	McLennan, Samuel John.	1899	Munro, Henry Fraser.
18 9	McLeod, Albert Morrison.	1876	Munro, John.
1875 †	McLeod, Alexander, <i>Ph. D.</i>	1896	Murdoch, William Clarence.
1888 d†	McLeod, Ambrose Watts, <i>M. A.</i> , 12.	1899	Murray, Adam Hy. Stewart, 13.
1874	McLeod, Donald.	1884 l	Murray, Daniel Alexander, <i>Ph. D.</i> , 14, 25.
1901	McLeod, Colin Arthur.	1896	Murray, John Carey, <i>B. Sc.</i>
1900	MacLeod, Edward Annand, 2.	1877 †	Murray, John Sprott.
1890 e	MacLeod, Fred Jos., <i>M. A.</i> , 5, 23.	1897 m	Murray, John Tuckey, 9.
1888	MacLeod, George, 9, 25.	1893	Murray, Lucy Christine, 11.
1885	McLeod, Jno. Matheson, <i>M. A.</i>	1898	Murray, Norman Grant.
1884	McLeod, John Peter, 1, 23.	1894 n	Murray, Robt. Harper, <i>LL. M.</i>
1876 †	McLeod, John Wil-ou.	1896	Murray, L. Wilbur.
1887	McLeod, Malcolm James, 13.	1900	Myers, Chas. Allan, 21.
1891	McMillan, Charles Edward.	1878 o	Newcombe, Edmund Leslie, <i>LL. B.</i>
1891	McMillan, Frederick Alex.	1885 p	Newcombe, Margaret Florence 10.
1875	McMillan, George, 24.	1886	Nicholson, Alfred, <i>M. A.</i> , 14.
1895	McNair, William Wallace.	1897	Nicho'son, Jno. Wm. Angus, 9.
1891	McNaughton, Elizabeth.	1901	Nicholson, William.
1867	McNaughton, Sarah.	1898 †	Noble, John Duncan.
1887	MacNeill, Charlotte Mary, 9.	1896	Oakes, Ingram.
1896 f	McNeill, Murray, 13, 25.	1899	O'Brien, Clarence Wilbert.
1892	McNeill, Roderick.	1898	O'Brien, Milton Addison.
1897	McOdrum, Donald.	1899	O'Brien, Osmond Franklin.
1901	McOpherson, Malcolm James.	1891 †	Oliver, Alysne Cushing Litch- field, 22.
1894	McPhee, Margaret Janet.	1899	Outhit, Wm. Edward.
1893	Macrae, Arch. Oswald, <i>Ph. D.</i> , 12.	1874	Oxley, Jas. Macdonald, <i>LL. B.</i> , 12.
1886	Macrae, Alexander Wm., <i>M. A.</i>	1889	Paton, Vincent John.
1898 g	MacRae, Donald Alex., 1, 28.		
1896 h	McRae, Duncan Murdoch.		
1891 i	Magee, Wm. Henry, <i>Ph. D.</i>		

† Deceased.

a So.etime Fellow (J. H. U.); Prof. of Physics, (Bryn Mawr.)

b Sometime Prof. of Physics, (Dal. Coll.)

c Sometime Missionary, Korea.

cc Prin. of Lungenburg Acad.

d Sometime Scholar (Harv.)

e Sometime Scholar (Harv.), Sometime Prof. of English (Nebraska).

f Sometime Fellow (Cornell) and Instructor in Math., Anglo-Saxon School, Paris, and Asst. to Prof. of Math., (Dal. Coll.)

g Sometime Scholar and Fellow, now Instructor in Greek, (Cornell.)

h Missionary, Korea.

i Sometime Fellow, and Assis'ant in Chemistry (Cornell); Prin. High School, Painsboro.

j Sometime Instructor in Physics, (Chicago Univ.)

k Lecturer on Descriptive Geometry, (Dal. Coll.)

l Sometime Fellow (J. H. U.) and Asst. Prof. of Math. (Univ. of City of New York); Professor of Mathematics, (Dal. Coll.)

m Instructor in English (Univ. of Cincinnati).

n Sometime Lect. on Law, (Un. Me.)

o Dep. Min. of Justice.

p Teacher Hfx. Ladies' College.

- 1882 Patterson, George Geddie.  
 1877 † Pitblado, Coltn, *M. D., C. M.*  
 1895 Pollev, James Frederick.  
 1872 † Pollok, Alexander W.  
 1893 Putnam, Harold.  
 1889 † Pu'nam, Homer.  
 1894 Putnam, James Fleming.  
 1887 Putnam, William Graham,  
*M. B., C. M.*  
 1900 Ramsay, Ernest Herb., 21.  
 1899 Ramsay, James Archibald.  
 1898 Rankine, James Miller.  
 1900 Rankine, John.  
 1890 Rattee, Edward Joseph.  
 1900 Read, Edith MacGregor, 14.  
 1898 Read, Hibbert Robert.  
 1897 Reid, David McKeen.  
 1899 Rice, Grace Eliz. Bernard.  
 1896 Robb, Alexander Francis.  
 1892 *a* Robertson, Samuel Napier.  
 1888 Robertson, Thos Reginald, 30.  
 1895 *b* Robins, Edwin Proctor, 11, 28.  
 1886 *c* Robinson, Alexander, 1, 23.  
 1891 Robinson, Charles Budd, 21, 30.  
 1893 Robinson, David Magee.  
 1885 Robinson, George Edward, 14.  
 1873 Robinson, Joseph Millen.  
 1896 Rodgerson, James Alexander  
 Cummings, 22.  
 1878 Rogers, Anderson.  
 1867 Ross, Alexander.  
 1897 Ross, Arthur.  
 1900 Ross, David Charles.  
 1901 Ross, Daniel Edward.  
 1893 Ross, George Edw., *B. D.*, 22, 30.  
 1899 Ross, George Murray.  
 1893 Ross, Hedley Duncan Vicars,  
*B. A., Ph. D.*, 5.  
 1895 *d* Ross, Jennie Wright, 21, 30.  
 1900 Ross, John Samuel.  
 1894 *e* Ross, Mary Sophia, 13.  
 1899 Ross, Theodore, 21, 30.  
 1873 Ross, William.  
 1898 Ro-s, Wm. Alexander.  
 1896 Ross, William Daniel.  
 1899 Routledge, Arthur Weston.  
 1890 *ee* Rowlings, George Anderson  
 Row, 14.  
 1901 Ruggles, Vernon Douglas.  
 1871 Russell, Alexander Gatherer.  
 1890 Schurman, George Wellington,  
*LL. M.*, 21  
 1872 *f* Scott, Eohraim.  
 1870 *g* Scott, Hugh McDonald, *D. D.*  
 1877 † Scott, John McDougall.  
 1881 Sedgewick, James Adam, 30.  
 1867 *h* Sedgewick, Hon. Robert.  
 1898 Sedgewick, Wm Harry, 21, 30.  
 1896 Sedgewick, William Middleton  
 1887 Shaw, Henry Curtis, 10.  
 1887 *i* Shaw, Jas. Curtis, *M. A.*, 1, 23.  
 1897 Shaw, Percy James.  
 1866 † Shaw, Robert.  
 1897 Shinner, Harry Robert.  
 1894 *j* Simpson, Francis S, *B. A.*, 9.  
 1868 Simpson, Isaac S.  
 1900 Simpson Ruth.  
 1895 Smith, Alexander.  
 1867 Smith, David H.  
 1867 Smith, Edwin.  
 1890 Smith, Edmund Botterell, *M. A.*  
 1886 † Smith, James Festus, *B. D.*, 10.  
 1894 Smith, William Henry, *B. D.*  
 1889 Smithers, Allan.  
 1888 *k* Soloan, David Matthew, 10.  
 1900 Spencer, Arthur Gordon.  
 1881 Spencer, William Herbert.  
 1891 *l* Stairs, Henry Bertram.  
 1898 Steeves, Blanchard Perley.  
 1887 Stewart, Alex. Forrester, 30.  
 1886 Stewart, Dugald, *M. D.*, 13.  
 1889 *m* Stewart, Frank Ingram.  
 1876 † Stewart, Jas. MacGregor, 14, 24.  
 1882 Stewart, Thomas, *B. D.*  
 1896 Stirling, Alexander Dinwoodie.  
 1895 Stirling, John, 11, 28.  
 1875 *n* Stramberg, Hector M.  
 1895 Strathie, Ralph Grant, *B. D.*  
 1896 Sutherland, George Adams.  
 1869 Sutherland, John M.  
 1888 Sutherland, John Sanders, 9, 24.  
 1894 Tattrie, George Phillips.  
 1884 † Taylor, William Bell.  
 1885 Thompson, Alfred Whidden,  
*M. A.*, 10.  
 1891 Thompson, Fenwick Williams.  
 1897 Thompson, Margaret.  
 1893 Thompson, Willard Sutherland  
 1880 Thomson Albert Edward, *M.*  
*B.*, *C.*, 30.  
 1900 Thomson, Charles Alex., 1, 28.  
 1870 *o* Thorburn, Walter Millar.  
 1882 Torey, Edgar James.  
 1895 *p* Trefry, James Hartley.  
 1872 *q* Trueman, Arthur L., *D. C. L.*  
 1882 *r* Trueman, James Starr, 2, 23.  
 1885 Tuffis, Wm. Mann, *D. D.*, 30.  
 1891 *s* Tupper, James Waddell, *Ph.*  
*D.*, 9, 23.  
 1884 Turner, Dawson Fyers Duck-  
 worth, 30.  
 1877 *t* Waddell, John, *Ph. D., D. Sc.*,  
 14, 23  
 1897 Waddell, Wm. Henry, jr.  
 1870 Wallace, John.  
 1898 Watt, Arthur William, 13.  
 1892 *u* Webster, Kenneth Grant Tre-  
 mayne, *M. A.*, 9.  
 1900 Weldon, Jos. Wm., 22.  
 1891 West, Thomas Fred.  
 1892 Weston, Clara Paine, 14.  
 1892 Weston, Rolfe Andrews, 14.  
 1878 Whitman, Alfred.  
 1901 Williams, Winifred Boak, 22.  
 1897 Wilkie, Florence Annie.  
 1898 Wood, George.  
 1900 Worsley, Pennyman John,  
 1894 Yorston, Frederick, *B. A.*, 10.

† Deceased.

*a* Prin. of Prince of Wales Coll., P. E. I.*b* Sometime Scholar and Fellow,  
(Cornell).*c* Supt. of Education, Brit. Columbia.*d* Prin. Kentville Academy.*e* High School, Honolulu*ee* Sometime As-istant to the Prof. of  
Math., (Dal)*f* Editor, *Presbyterian Record*.*g* Prof. of Ch. History (Chic. Theol.  
Sem.)*h* Judge of Supreme Court of Canada.*i* Sometime Scholar, (Harvard).*j* Prin. of New Glasgow High School.*k* Prin. Normal School, Truro.*l* Capt. H. Company, R. C. R. I.*m* Prin. Sydney Academy.*n* Prin. Westminister High School.*o* India Civil Service, Madras.*p* Prin. Morris Street School, Halifax.*q* Judge of Probate, St. John, N. B.*r* Sometime Scholar (J. H. U.) andProf. of Greek and Latin (Alle-  
gheny Coll.)*s* Sometime Scholar (J. H. U.); Prof.  
of English, Western Univ., Ont.;now Associate in Eng., (Bryn  
Mawr Coll.)*t* Sometime Vans Dunlop Scholar,  
(Etin.), and Prof. of Chem., School

of Mining, Kingston.

*u* Sometime Scholar, (Harv.)



BACHELORS OF LETTERS.

(For the signification of numbers affixed to the names, see page 146.)

1897	Crockett, Albert Edwin.	1894	Macdonald, Alex. Donald.
1892	Fraser, James Gordon.	1895	McKav, William Park.
1895	Gunn, Alexander Donald.	1898	MacKinnon Wm. Thos. Morris.
1896	Hill, Amy	1896	Marshall, Lillian Elizabeth.
1899	Hobrecker, Alma Helena.	1891	Montgomery, John.
1896	Johnston, James Robinson.	1891	<i>a</i> Muir, Ethel, <i>Ph. D.</i>
1900	Langor, Jules Marie.	1887	<i>b</i> Ritchie, Eliza, <i>Ph. D.</i> , 11.
1899	Lawlor, Gertrude Louise, 13.		

BACHELORS OF SCIENCE.

(For the signification of numbers affixed to the names, see page 146.)

1900	Anderson, Bernard Chas., 13.	1896	McIntosh, Donald Sutherland.
1897	Archibald, Ebenezer Hy., 29.	1892	MacKeen, Geo Wilbert, <i>M. D.</i>
1893	Arthur, George.	1894	McKittrick, Frederick James Alexander, 14, 29.
1897	Blair, Alexander David.	1885	Miller, John James.
1901	Boehner, Reginald Stephen, 20.	1898	Morrison, Hugh Thomas, 14.
1882	Cameron, Alexander George.	1901	O'Brien, Mary Augusta, 21, 30.
1900	Campbell, Dun. McDonald, 14.	1893	O'Brien, Robert Faulkner.
1885	<i>c</i> Campbell, Geo. Gordon, <i>M. D.</i>	1900	Pasea, Chas. Munro, 15, 25.
1898	Cook, Alexander David	1883	Reid, Arthur Gordon, <i>M. B.</i> , <i>C. M.</i> , 13, 25.
1899	Cordiner, Charles Alonzo.	1884	Smith, Henry McNeil
1893	Forrest, William Duff.	1886	<i>e</i> Stewart, Anne Amelia, 14.
1880	Fraser, Wm. Matheson, 24.	1900	Stewart, Eliz. Helen, 20.
1901	Gould, William Matthew	1897	<i>f</i> Tait, Jas. Sinclair, <i>B. S.</i> , (Mt. All.) <i>M. D.</i> , <i>ad eundem.</i>
1895	Lange, Christian Christoph. Andrew, 22	1901	Wood, Burton Justice.
1883	McColl, Archibald.		
1896	<i>d</i> McIntosh, Douglas, 20, 29.		

BACHELORS OF LAWS.

1897	Aitken, Robert Traven Davi- son, <i>B. A.</i>	1886	Carter, William Doherty.
1891	Allison, Edmund Powell, <i>B. A.</i>	1892	Casey, Clarence E., <i>B. A.</i>
1900	Allison, Harry Augustus, <i>B. A.</i>	1886	Chisholm, Joseph Andrew.
1893	Anderson, Albert Hudson, <i>B. A.</i>	1887	Cluney, Andrew.
1890	Armstrong, Bennett Hornsby.	1891	Congdon, Frank Hinkle.
1888	Armstrong, Ernest Howard.	1889	Congdon, Fred Tennyson, <i>B. A.</i> , <i>LL. B. (Tor.) ad eund. grad.</i>
1899	Ayre, Geo. Wm. Bulley.	1894	Copp, Arthur Bliss.
1895	Barnstead, Art. Stanley, <i>B. A.</i>	1892	Corbett, Jacob Edward.
1900	Begg, Wm. Alex.	1894	Crowe, Robert William, <i>B. A.</i>
1885	Bennett, Albert Watson.	1886	<i>k</i> Crowe, Walter.
1893	Bennett, Richard Bedford.	1901	Cumming, Lyman Hodge.
1896	Bigelow, Harry Veeder, <i>B. A.</i>	1898	Cummings, Alf. Graham, <i>B. A.</i>
1892	Bill, Edward Manning, <i>B. A.</i>	1889	Cummings, Selden Wm., <i>B. A.</i>
1892	Blackadar, Hugh Saxon, <i>B. A.</i>	1900	Davison, Avarad Longley, <i>A. B.</i>
1885	Boak, Henry Westman Conroy	1891	Davison, Jas. MacGregor, <i>B. A.</i>
1894	Borden, Henry Clifford.	1892	Dockrill, George O'Gorman Mahon.
1890	Bowser, William John.	1899	Douglas, John Carey, <i>A. B.</i>
1898	Boyd, John Albert, <i>B. A.</i>	1885	Doull, Walter Scott, <i>B. A.</i>
1893	<i>g</i> Brown, Harry Whlidden, <i>B. A.</i>	1892	Doyle, Mattheu Nicholas.
1899	Burchell, Charles Jost, <i>B. A.</i>	1890	Fairweather, Fredk. Laurence.
1894	<i>h</i> Burns, Clement Bancroft, <i>B. A.</i>	1891	Fairweather, Stewart Lee.
1880	<i>i</i> Cahan, Charles Hazlitt, <i>B. A.</i>	1899	Fawcett, John Louis.
1892	Calder, Frederick.	1897	Ferguson, Wm. McMillan.
1893	Cameron, Daniel Alexander.	1895	Finlayson, Duncan, <i>B. A.</i> , <i>M.</i> <i>P. P.</i>
1899	Cameron, Jno Alex. Hugh, <i>B. A.</i>	1898	Finn, Robt. Emmett Dominick.
1889	Campbell, Alexander.	1889	Forsythe, Geo. Ormond, <i>B. A.</i>
1889	Campbell, Alex. John, <i>B. A.</i>		
1888	Campbell, John Roy, <i>B. C. L.</i>		
1887	Carter, Titus James.		

*a* Sometime Prof. of Philosophy (Mt. Holyoke).

*b* Sometime Fellow (Cornell) and Prof. of Philosophy (Wellesley Coll.)

*c* Lecturer on Clin. Medicine (McGill)

*d* Demon. Chem. (McGill Univ.)

*e* Sometime Scholar (Bryn Mawr)

*f* Med. Supt Hosp. for Insane, Nfld.

*g* Priv. Secy. Min. Militia, Ottawa.

*h* Priv. Secy. Min. Finance, Ottawa.

*i* Lecturer on Torts (Dal. Coll.)

*k* Mayor, Sydney, C. B.

- 1890 Frame, Joseph Fulton.  
 1892 *a* Fraser, Alex Hugh Bess.  
 1898 Fraser, Thomas Munro.  
 1899 Fraser, Chrchill Locke, *A. B.*  
 1895 Fullerton, Charles Percy.  
 1892 Fulton, Edgar Melville.  
 1893 Fulton, Joseph Avar.  
 1892 Fulton, Willard Hill, *B. A.*  
 1895 Girroir, Edwd. Lavin, *B. A.*  
 1893 Graham, Robert Blackwood.  
 1894 *b* Graham, Robert Henry, *B. A.*  
 1895 Grant David Kenzie, *M. A.*  
 1899 Gray, Wm. Smith, *B. A.*  
 1888 Gregory, Charles Ernest.  
 1893 Grierson, John Arthur, *B. A.*  
 1897 Gunn, Alexander Donald, *B. L.*  
 1900 Hale, Morley, *B. A.*  
 1900 Hall, Wm. Lorimer, *A. B.*  
 1890 *†* Hamilton, Chs. Francis, *B. A.*  
 1911 Hanson, Rich. Burpee, Jr., *B. A.*  
 1887 Hanright, Fredk. Wm., *B. A.*  
 1886 Henry, William Alexander.  
 1894 Hewson, Edgar Ellis, *B. A.*  
 1894 Hill, Wm. Arthur Gesener.  
 1896 Hood, John.  
 1890 Howay, Frederick William.  
 1890 Huggins, William Hugh.  
 1894 Irving, Robert Archibald.  
 1895 Ives, Welsford Black.  
 1900 Jardine, David, *B. A.*  
 1896 Jenks, Stewart Dixon, *LL. B.*  
 1886 Jennison, Hedley Vicars.  
 1892 Johnstone, Lewis Martin.  
 1898 Johnston, Jas. Robinson, *B. L.*  
 1888 Jones, Harry Treadway.  
 1898 Kaulbach, Rupert Creighton.  
 1895 Keefer, Ralph Tupper, *B. A.*  
 1901 Keith, Donald, Jr., *B. A.*  
 1893 Kenny, Joseph Burke.  
 1899 Killam, Cecil, *A. M.*  
 1895 King, Henry Wyeth De Wolfe.  
 1897 Knight, James Arminius.  
 1887 Lane, Charles Wilkins.  
 1898 Leahy, William James.  
 1885 Le voir, Melaim Uniacke.  
 1891 Logan, Hance James, *M. P.*  
 1896 Loggie, William James.  
 1889 Lovett, Henry Almon, *B. A.*  
 1895 Lovett, Laurence Arthur.  
 1887 Lyons, William Alexander.  
 1890 *c* McBride, Hon. Richard.  
 1896 *†* McCart, Leander Davison, *B. A.*  
 1893 McCoy, Wensley Blackall, *B. A.*  
 1888 McCreedy, Charles Alexander.  
 1887 McCully, Frank Arthur, *B. A.*  
 1894 Macdonald, Alvin Fraser, *B. A.*  
 1891 McDonald, Allan Joseph, *B. A.*  
 1887 Macdonald, Edward Mortimer, *M. P. P.*  
 1899 MacDonald, Finlay.  
 1891 McDonald, Joseph.  
 1886 Macdonald, James Alex., *B. A.*  
 1892 McDonald, Lauchlin Xavier.  
 1890 McDonald, William, *B. A.*  
 1898 MacEchen, Francis Alexander.  
 1895 MacIreith, Robert T.  
 1888 *d* McInnes, Hector.  
 1899 McIntyre, Archie A., *B. A.*  
 1888 *e* Mackay, Adams Archd., *B. A.*  
 1899 MacKay, Henry Seaton.  
 1899 MacKay, John James.  
 1897 MacKay, John William.  
 1896 McKav, Robert Sims.  
 1897 MacKenzie, Alex. George.
- 1887 Mackinnon, Donald Alexander, *M. P. P.*, (*P. E. I.*)  
 1892 MacKinnon, Jno Archd., *B. A.*  
 1897 MacKinnon, Jno Lauchlin, *B. A.*  
 1893 McLatchy, Harry O'is.  
 1887 McLatchy, Henry Francis.  
 1892 McLean, Alexander Kenneth.  
 1895 McLean, Chas. Archibald, *B. A.*  
 1898 McLeod, John Robert.  
 1888 McLennan, Daniel.  
 1899 MacMillan, Neil A., *B. A.*  
 1891 McNeill, Alexander, *B. A.*  
 1889 McNeill, Albert Howard, *K. C.*  
 1901 Macneil, Malco'm George.  
 1890 McPhee, Daniel Lochlan.  
 1897 McPhie, Stewart.  
 1896 McVicar, Ronald.  
 1900 Maddin, James William.  
 1888 *†* Magee, Edgar Allison.  
 1898 Mahon, Harry Edmund, *B. A.*  
 1893 March, Stephen Edgar.  
 1892 Mathers, Frederick Francis.  
 1901 Matheson, Donald Frank.  
 1899 Matheson, Joseph Duncan.  
 1890 Melish, Humphrey, *B. A.*  
 1886 Milliken, Albert Edward.  
 1898 Mills, Nehemiah Marks.  
 1893 Montgomery, John, *B. L.*  
 1885 *†* Mooney, Patrick C. C.  
 1812 *f* Morine, Hon. Alfred Bishop, *M. P.*, *Nfld.*  
 1818 Morrison, Aulay McAu'ay, *M. P.*  
 1897 Morrison, Fred Augustus.  
 1897 *†* Morrison, Jno. Stroppe Metzler.  
 1885 Morse, Charles.  
 1897 Moseley, Edgar William.  
 1893 Munro, Henry Havelock.  
 1899 Murphy, Thomas Wm.  
 1901 Murray, Norman Grant, *B. A.*  
 1812 Murray, Robert Gray.  
 1836 *g* Murray, Robert Harper, *B. A.*, *L. L. M.*  
 1819 Newcomb, Louis Forrester.  
 1898 Nichols, Edward Hart, *B. A.*  
 1819 Nichols, Frank Wm., *A. B.*  
 1898 Nichols, George Everard Edgell.  
 1890 Notting Thomas.  
 1898 Oakes, Ingram, *B. A.*  
 1898 O'Connor, William Francis.  
 1897 O'Donoghue, Richard, *B. A.*  
 1900 O'Hearn, Walter Jos. Aloysius.  
 1901 *h* Oland, John Culverwell.  
 1899 O'Mullin, John Coll.  
 1895 Outhit, James Francis.  
 1890 Oxley, Charles Howard, *B. A.*  
 1898 Parsons, George Harold, *B. A.*  
 1898 Parsons, Wm. Rufus, *B. A.*  
 1891 Paton, Vincent J., *B. A.*  
 1889 Patterson, Geo. Geddie, *M. A.*  
 1893 Payzant, John Albert, *B. A.*  
 1894 Payzant, William Lewis, *B. A.*  
 1901 Pearson, George Frederick.  
 1897 Phalen, Robert Francis.  
 1896 Pineo, Avarid Vernon, *B. A.*  
 1893 Puddington, Henry Fisher.  
 1901 Pugsley, Wm. Gaetz, *B. A.*  
 1898 Purdy, Henry Alden, *B. A.*  
 1898 Purney Willard Parker.  
 1898 Putnam, Harold, *B. A.*  
 1901 Regan, Osmond R.  
 1901 Reynolds, Maynard Martin.  
 1899 Richardson, John William.

*†* Deceased.

*a* Law Librarian (Cornell Univ).

*b* Sometime Mayor of New Glasgow.

*c* Min. of Mines, British Columbia.

*d* Lecturer on Procedure (Dal. Coll.)

*e* Law Clerk N. S. Legislature.

*f* Sometime Member of Nfld Govt.

*g* Sometime Law Lect. (Maine Univ.)

*h* Lieut. S. A. Constabulary.

1890	Roberts, John Arthur.	1901	Sutton, Francis James.
1886	Robertson, Henry McNeil.	1896	Ternan, Gerald Constantine Breifui.
1898	Robertson, Henry Whitford		Ternan, Patrick Breifui.
1894	Robertson Struan Gordon, <i>B. A.</i>	1900	Thompson, Stanley Rufus.
1890	Robertson, Thos. Reg'd, <i>B. A.</i>	1896	Thompson, William Ernest.
1887	Rogers, Henry Wyckoff.	1893	Thomson, Walter Kendall.
1889	Ross, Henry Taylor, <i>B. A.</i>	1887	Tilley, Leonard Percy DeWife.
1899	Ross, Howard Salter, <i>A. B.</i>	1893	Tobin, Thomas Finlayson.
1896	Ross Hugh.	1889	Tremaine, Charles Frederick.
1901	Routledge, Arth. Weston, <i>B. A.</i>	1895	Troop, Arthur Gordon, <i>B. A.</i>
1893	Rowlings, George Anderson Row, <i>B. A.</i>	1886	Trueman, Walter Harley.
1891	Russell, Frank Weldon, <i>LL M.</i>	1892	Tufts, Clifford Ashton, <i>B. A.</i>
1893	Russell, Joseph Ambrose.	1898	Vernon, Gilbert Hugh
1892	Sangster, Herb. Warren, <i>B. A.</i>	1897	Waddell, Wm. Henry, <i>B. A.</i>
1899	Sargent, Joseph Heinrich.	1899	Wallace, William Bernard.
4892	Schurman, George Wellington, <i>LL. M.</i>	1885	Walsh, William Walter.
1896	Scott, Frank Brettle, <i>B. A.</i>	1886	Wells, William Woodbury, <i>M. P. P., N. B.</i>
1895	Sedgewick, Jas. Adam, <i>B. A.</i>	1891	White, Thos. Howland, <i>B. A.</i>
1891	Shaw, Alfred Enos, <i>B. A.</i>	1889	Whitford, Joseph Arthur.
1895	Shaw, George Smith	1885	Whirman, Alfred, <i>B. A.</i>
1890	Sinclair, John Archibald.	1891	Wickwire, Harry Ham, <i>B. A., M. P. P.</i>
1899	Slyater, James Morrow	1896	Wood, John Elijah, <i>B. A.</i>
1892	Smith, Bowyer Sydney.	1893	Woodworth, Chs. Milton, <i>B. A.</i>
1893	<i>a</i> Stairs, Harry Bertram, <i>B. A.</i>		
1800	S. evens, Daniel Joshua.		

DOCTORS OF MEDICINE AND MASTERS OF SURGERY.

1899	Almon, William Bruce.	1900	Giovanetti, Louis John.
1898	Archibald, Matthew George.	1899	Goodwin, Wendell VanKleeck.
1899	Atkinson, Edward Payson.	1892	Grant, William.
1897	Bentley, Robie Dugwell, <i>B. A.</i>	1897	Grierson, Robert, <i>B. A.</i>
1875	Bethune, John Lemuel.	1894	Hamilton, Annie Isabella.
1897	Bissett, Ernest Eugene.	1891	Hamilton, Charles Alfred.
1900	Braine, Laurence Bernard Wilfred.	1872	<i>†</i> Hiltz, Charles William.
1900	Braine, Winifred Brenda.	1892	Irwin, Archer.
1898	Brehm, Robert Almon, <i>L. R. C. P. (Lond.), M. R. C. S. (Eng.)</i>	1891	Johnson, Isaac Wellwood, <i>L. R. C. P. (Edin.)</i>
1897	Brown, Martha Wyman.	1890	Kent, Hedley Vicars.
1875	Bruce, William T., <i>B. A.</i>	1875	<i>d</i> Lindsay, Andrew Walker Herdman, <i>B. A., M. B., C. M.</i>
1898	Buckley, Avery Fillis.	1893	McAulay, Murdoch William
1893	Byers, David Walter.	1892	McCharles, Roderick William.
1874	<i>c</i> Campbell, Donald Alexander.	1898	MacDonald, Daniel.
1874	Chisholm, Donald.	1898	McDonald, Edw. Murray.
1893	Coady, Patrick Francis.	1895	MacDonald, John Clyde.
1894	Cogswell, William Furlong.	1896	MacDonald, William Henry.
1875	Cox, Robinson.	1896	McEwen, Henry Emanuel.
1901	Crosby, Leander Mar. hall.	1893	<i>†</i> McGeorge, Thomas.
1894	Dechman, Andrew Arthur.	1899	MacKay, John St. Clair.
1872	<i>†</i> DeWolfe, George H. H.	1895	MacKay, Katherine Joanna.
1898	Dickey, Hugh Leverette.	1898	McKenzie, Murdoch Dani'l.
1901	Dickson, Charles Harold.	1899	McLean, Murdoch Thomas.
1897	Dorman, Oscar Chipman.	1899	McMillan, Charles Edward, <i>B. A.</i>
1892	Drysdale, George Nelson.	1872	MacMillan, Finlay.
1900	Dymond, Wm Adams.	1872	<i>†</i> McRae, William.
1900	Ernst Victoria Sarah.	1893	Meyer, Edward J.
1895	Fairbanks, Harry Gray.	1874	Moore, Edmund.
1899	Farrell, Edward Dominick.	1895	Moore, Ernest Fraser.
1899	Farrell, Louis Patrick.	1893	Morrow, Arthur, <i>M. B., C. M. (Edin.) ad eundem gradum.</i>
1901	* Faulkner, Eben Ross, <i>B. A.</i>	1898	Morton, Angus McDonald.
1900	Forbes, Albert Ernest.	1874	Muir, William S., <i>L. R. C. P. &amp; S. (Edin.)</i>
1898	Forrest, William Duff, <i>B. Sc., L. R. C. P. (Lond.), M. R. C. S. (Eng.)</i>	1895	Munro, Cranswick Burton.
1897	Fraser, Alexander, <i>B. A.</i>	1899	Munroe, James Gilbert.
1898	Gandier, George Gaw.	1895	Murphy, George Nelson, <i>M. D.</i>
1897	Gates, Charles Randall.	1896	Murray, Duncan.

*†* Deceased

*a* Capt. H. Co. Sth. African Contnt.

*b* Judge County Court, Halifax.

*c* Prof. of Medicine (Hfx. Med. Coll.)

*d* Prof. of Anatomy (Hfx. Med. Coll.)

\* Dr Farrell Gold Medallist.

1901	O'Brien, Milton Addison, <i>B.A.</i>	1896	Ross, Alexander.
1901	O'Donnell, Florence Maud.	1900	Salter, Orlando Ray.
1896	Olding, Clara Mary.	1899	Shaw, Sidney Everett.
1897	Payzant, Henry Allison.	1895	Simpson, Henry Osmond.
1900	Pennington, John Wesley.	1896	Slauenwhite, Stephen Sinclair
1900	Pratt, Nelson.	1872	† Sutherland, Roderic
1899	Randall, Mary Leila.	1900	Taylor, Frank Woodland.
1900	Reynolds, James.	1901	Thomas, Lewis.
1900	Reynolds, Wm. Pearson.	1898	Thompson, Alfred
1893	Rice, Frank Ernest.	1892	Turnbull, George Dykeman.
1901	Roach, Edwin Bishop.	1901	Wardrope, Monson James.
1901	Robbins, Welton Havelock.	1896	Williamson, Samuel W.
1875	Robert, Casimir.	1901	Woodland George Hart.
1900	* Rodgers, James Alexander	1892	Woodworth, Percy Churchill.
	Cummings, <i>B. A.</i>		

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## STUDENTS, 1900-1901.

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### FACULTY OF ARTS.

(The number in some cases affixed to the name, indicates the number of years attended by the student as candidate for a degree.)

Acham, Joseph Leon, 1	Trinidad, W. I.
Allan, Katie C.	Halifax.
Andrew, George Allen, 1	Arichat.
Archibald, Frank Rogers, 1	Halifax.
Archibald, George Grassie, 3	Truro.
Barnstead, Ethel Lorriane	Halifax.
Batton, Viola May, 1	Clarence, Annapolis.
Bauld, Duncan Stanley, 1	Halifax.
Baxter, Elizabeth Campbell	Halifax.
Bayer, Harriet Muir, 1	Halifax.
Begin, Thurston Stanley, 1	Mahone.
Belcher, Ethel S.	Halifax.
Bent, Gesner Torrey	Halifax.
Bentley, Regina Alice, 3	Halifax.
Best, Lillian Gertrude, 4	Grafton, Kings Co.
Bigney, Anna Letha	Wentworth.
Blackwood, Elizabeth Florence, 1	Halifax.
Blanchard, Melville Waddell	Truro.
Blois, Harry Hope, 2	Halifax.
Bradley, John Alexander, 4	Princeport, Col.
Braine, Annie Morris, 1	Halifax.
Brunt, Howard Dayne, 1	Halifax.
Cameron, Annie	River John.
Cameron, Guy, 2	Charlottetown, P. E. I.
Cameron, John James, 1	Port Hawkesbury.
Cameron, Thomas Gordon, 1	North Lochaber.
Campbell, Jessie Bell, 3	Baddeck.
Campbell, Margaret Primrose Dickson	Tatamagouche.
Cann, Jeanette Aubrey, 3	Yarmouth.
Carney, Michael J, 1	Halifax.
Chisholm, Maud, 4	Dartmouth.
Christie, Clarence Victor, 3	Halifax.
Christie, George Archibald, 3	Halifax.
Coffin, Ernest William, 3	Charlottetown, P. E. I.
Coffin, George Arthur, 1	Durham.
Coffin, Wesley Herbert, 2	St. Peter's Harbor, P. E. I.

\* Dr. Farrell Gold Medallist.

† Deceased.

Corbett, William Melville, 1.....	Blackville, N. B.
Covey, Fannie Ruth.....	Halifax.
Crowdis, Charles Jacob, 1.....	Rossville, C. B.
Currie, Anna Duncan.....	Halifax.
Curry, Stewart Lithgow.....	Halifax.
Davis, David Gray, 2.....	Clifton, Col.
Daviss, Alfred Edward, 2.....	Halifax.
Donovan, Florence Eleanor, 2.....	Truro.
Elliott, Sarah Primrose, 1.....	Lower Granville.
Fash, Ida Mabelle, 2.....	Bridgetown.
Ferguson, Alexander, 1.....	Port Morien.
Fleming, Ernest Martin, 3.....	Great Village.
Forrest, Jean Fairbanks, 4.....	Halifax.
Frame, Harry Allan, 1.....	Shubenacadie.
Frame, Stanley Howard, 1.....	Gay's River.
Fraser, Everett, 1.....	North Lake, P. E. I.
Fraser, Hugh James.....	Pictou.
Fraser, Wellesley, 1.....	New Glasgow.
Fraser, William Pollok, 3.....	New Glasgow.
Fulton, Thomas Truman, 3.....	Bass River.
Gordon, Jean Anna May, 4.....	River John.
Gordon, Wilhelmina, 1.....	Halifax.
Grant, William MacDonald, 4.....	New Glasgow.
Hallam, William Thomas, 4.....	McAdam, N. B.
Harvey, Edward Kitson, 4.....	Halifax.
Hebb, Thomas Carlyle, B. A.....	Bridgewater.
Hobrecker, Hedwig.....	Halifax.
Howatt, Irving Brass, 3.....	French River, P. E. I.
Hudson, John William, 1.....	Eureka.
Johnson, Allan Chester, 3.....	Loch Broom, Pictou Co.
Johnston, Arthur James Dwight.....	Dartmouth.
Johnston, May McNutt, 2.....	Truro.
Kelly, William Liguorie, 1.....	Halifax.
Kennedy, James Horace, 4.....	Halifax.
Kennedy, Margaret Jessie.....	Halifax.
Kirker, Elbridge Archibald, 1.....	Quoddy.
Lamb, Alexander Scrimgeour, 1.....	Chapman, N. B.
Langille, Gilbert Webster, 1.....	River John.
Lawson, David Alexander, 4.....	Grafton, Kings Co.
Layton, Robert Blackwood, 4.....	Marshfield, P. E. I.
Liechti, Minna.....	Halifax.
Lindsay, Frances Jean, 2.....	Halifax.
Locke, Enos Charles, 2.....	Lockeport.
Logan, Frank Robert, 1.....	Musquodoboit Harbour.
Loughead, George William, 2.....	Beaver Brook.
Low, Margaret.....	Halifax.
MacCaskill, John James, 4.....	Little Narrows, C. B.
MacCurdy, Rahno Mabel, 2.....	Onslow Station.
Macdonald, Archibald J. 4.....	Cape Breton.
Macdonald, Campbell, 2.....	Halifax.
Macdonald, Charles M, 1.....	Halifax.
Macdonald, Ewen, 4.....	Murray Harbour Road.
MacDonald, Henry Charles, 1.....	Sydney, C. B.
MacDonald, John Duncan, 2.....	Barney's River.
McDonald, Roderick, 1.....	Springhill.
McDonald, William, 4.....	Springville.
MacDougall, Euphemia Mary, 2.....	Truro.
Mackintosh, Finlay Grant, 4.....	Springville.
Mackintosh, Peter Duncan, B. A.....	St. George's Channel, C. B.
McIntosh, Mary Gertrude, 1.....	Truro.
McKay, Daniel L, 2.....	Reserve Mines.

MacKay, George Moir Johnstone, 1	Dartmouth.
MacKay, Katherine D.	McLellan's Brook.
MacKay, Victor Neil	Earltown.
McKay, William Alfred, 4	West Branch, River John.
MacKean, George Angus Ross, 1	West Lahave.
MacKean, James Alexander	West Lahave.
McKee, Mabel B, 4	Fredericton, N. B.
McKeen, William George, 3	Mabou, C. B.
MacKeen, Winifred, 2	Windsor.
MacKenzie, Kenneth Ferns, 3	Truro.
MacKenzie, Luther Burns, 4	Bedford.
MacKenzie, Sophia Stewart	River John.
MacKenzie, Thomas George, 1	River John.
MacKenzie, William Roy, 3	River John.
Mackie, Irwin Cameron, 4	Brockton, Mass.
McLeod, Arthur Dewar, 2	Strathlorne, C B.
MacLeod, Colin Arthur, 4	Springhill.
McLeod, Daniel John, 2	Valleyfield, P. E. I.
MacLeod, John Charles	Port Caledonia, C. B.
McNutt, Flora Belle, 1	Halifax.
Macpherson, Malcolm James, 4	Uigg, P. E. I.
MacQueen, Georgina, 1	New Glasgow.
McQueen, Norman, 4	Whitney Pier, C. B.
Main, Charles Ogg, 4	Kingston, Kent, N. B.
Malcolm, James, 2	St. John, N. B.
Marshall, Guilford Roneo	Halifax.
Matheson, Charles Winfield William, 2	St. Avars, Charlottetown
Meek, John Geddie, 2	Truro.
Mellish, James Roland, 2	Halifax.
Miller, George William, 2	Newport.
Miller, Lemuel James, 4	Charlottetown, P. E. I.
Mitchell, George Alfred, 2	River John.
Mitchell, Gertrude Clara, 1	Halifax.
Moody, Margaret Hutton, 4	Halifax.
Morrison, Bertha Leila, 3	Dartmouth.
Morrison, Frederick Augustus, 4	Milltown, C. B.
Muir, David Holmes, jr, 1	Truro.
Murray, Thomas Watson	Earltown.
Myers, Charles Allan, B. A.	Lake Verde, P. E. I.
Myers, A. J. William, 3	Lake Verde, P. E. I.
Nicholson, Daniel J, 3	Englishtown, C. B.
Nicholson, William, 4	River Charlo, N. B.
Parsons, William Henry, 1	Harbour Grace, Nfld.
Payzant, Arthur Silver, 1	Halifax.
Pearson, Ethel M.	Halifax.
Perkins, Ella Dawson, 2	Charlottetown, P. E. I.
Power, William Kent, 1	Halifax.
Proudfoot, James A, 2	Saltsprings.
Quirk, Edward James, 1	Halifax.
Rackham, William Henry, 1	Amherst.
Ramsay, Ernest Herbert, B. A.	Hamilton, P. E. I.
Rand, Annie Mack, 3	Canaan.
Read, Winifred, 3	Halifax.
Richardson, Lophemia, 3	Truro.
Rielly, John Franklin, 3	Summerside, P. E. I.
Ritchie, Alan Bruce, 1	Halifax.
Ross, Daniel Edward, 4	North Bedeque, P. E. I.
Ross, William H.	Pictou.
Ross, William McMillan, 1	Earltown.
Roy, Alexander, 2	Maitland.
Ruggles, Vernon Douglas, 4	Halifax.

Russell, Benjamin, jr.	Dartmouth.
Sanderson, Bessie Milne	Halifax.
Scrimgeour, James Amos, 1	Amherst.
Sedgewick, George Herbert, 3	Middle Musquodoboit.
Shaw, Robert McLeod, 3	Penobscquis, King's, N. B.
Smith, Alonzo Alexander, 2	New Glasgow.
Smith, Daniel Murray, 2	Truro.
Smith, Olive Winifred, 2	Halifax.
Spencer, Minnie Grace, 1	Halifax.
Spicer, Howard James, 1	Wharton.
Sproule, Mary J.	Parrsboro'.
Stairs, Gilbert Sutherland, 2	Halifax.
Stairs, Susan Isabelle	Halifax.
Stavert, Robert Hensley, 3	Clark's Mills, P. E. I.
Sutherland, Robert Hiram, 1	River John.
Thomas, Louise Lorne, 3	Truro.
Trueman, John MacMillan, 1	St. John, N. B.
Tucker, Hilton, 2	Parrsboro'.
Upham, Hugh McMillan, 2	Halifax.
Vance, Frederick Smith, 3	Folly Village.
Webster, Winifred May, 2	Waterville.
Weldon, Richard Chapman, jr, 1	Halifax.
Williams, Winifred Boak, 4	Boston, Mass.
Wood, Arthur	Halifax.
Wood, Jennie Aileen	Halifax.
Young, Alexander McGillivray, 2	Millsville, Pictou Co.
Young, Luther Lisgar, 2	Millsville, Pictou Co.

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### FACULTY OF SCIENCE.

Baxter, Norman McLeod, 2	Halifax.
Boehner, Reginald Stephen, 4	Paradise.
Campbell, James A, 3	Heatherdale, P. E. I.
Campbell, Robert	Halifax.
DeWolfe, Loran A, 2	West Gore, Hants Co.
Dobson, Frederick William	Halifax.
Elliott, Guy R. B., 1	Lower Granville.
Elliott, Laurie Benjamin, 1	Dartmouth.
Gordon, George Huntley, 2	Halifax.
Gould, William Matthew, 4	Halifax.
Haverstock, W. Ernest, 1	Halifax.
Lindsay, Murdoch Alexander, 3	Halifax.
McCleave, Arthur Richard, 2	Amherst.
McManus, Frederick Joseph, 2	Halifax.
Murray, Laura E.	Sussex, N. B.
O'Brien, Mary Augusta, 4	Noel.
Stewart, William Edgar, 4	Jackson, Cumb. Co.
Vickery, Reginald Edward	Parrsboro.
Wilson, Joseph L.	Bridgewater.
Wood, Burton Justice, 3	Lakeville, King's Co.

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### FACULTY OF LAW.

#### UNDERGRADUATES.

##### THIRD YEAR.

Cumming, Lyman Hodge	Westville.
Hanson, Richard Burpee, A. B.	Bocabec, N. B.
Keith, Donald, Jr., B. A.	Halifax.
Macneil, Malcolm George	River Bourgeois, C. B.

Matheson, Donald Frank	St. Peters, C. B.
Moseley, Herbert Charles	Sydney, C. B.
Murray, Norman Grant, B. A.	Halifax.
Oland, John Culverwell	Dartmouth.
Pugsley, Wm. Gaetz, A. B.	Amherst.
Regan, Osmond R.	Dartmouth.
Routledge, Arthur Weston, B. A.	Sydney, C. B.
Sutton, Francis James	Moncton, N. B.

## SECOND YEAR.

Bill, John Philip Wiser, A. B.	Wolfville.
Calder, Archibald Clement	Campobello, N. B.
Chipman, Frank Beverley Allen, M. A.	Kentville.
Harris, William James	Halifax.
Lockhart, Nathan Joseph, A. B.	Pownal, P. E. I.
McCurdy, David Douglas	Antigonish.
Macdonald, William Roderick	Guysboro.
Murray, Adam Henry Stewart, B. A.	Sussex, N. B.
Reid, Robert Alexander	St. John's, Nfld.
Rhodes, Edgar Nelson, B. A.	Amherst.
Ritchie, John William Pringle, B. A.	Halifax.
Sanford, Norman Stewart	Burlington.
Smith, George Percy, B. A.	Shediac, N. B.
Squires, Richard Anderson	St. John's, Nfld.
Worsley, Pennyman John, B. A.	Halifax.

## FIRST YEAR.

Craig, Nelson Ross	Lockeport.
Hutchinson, George Alfred	Kingston, N. B.
Macleod, John Edward Annand, B. A.	Dingwall, P. E. I.
Phalen, Thomas More, A. A., M. A.	Little Bras d'Or, C. B.
Wallace, George Power	Halifax.

## GENERAL STUDENTS.

DesBarres, Aubrey Henry	Guysboro.
DeWolfe, Margaret Woodill	Halifax.
Farrell, Robert Brindle	Halifax.
Kennedy, James Horace	Halifax.
Macleod, Colin Arthur	Springhill.
Mackean, James Alexander	West LaHave.
Main, Charles Ogg	Kingston, Kent, N. B.
Miller, Lemuel James	Charlottetown, P. E. I.
Moore, Clarence Lee, B. A.	Salisbury, N. B.
Savary, Henry Phipps Otty	Annapolis.

## FACULTY OF MEDICINE.

## UNDERGRADUATES.

## FOURTH YEAR.

Cameron, Harold	River John, Pictou.
Cochran, Wilfrid Northup	Newport, Hants.
Crosby, Leander Marshall	Hebron, Yar.
Dickson, Charles Harold	Pictou.
Faulkner, Ebenezer Ross, B. A. (Dal.)	Folly Village, Col.
O'Brien, Milton Addison, B. A. (Dal.)	Noel, Hants.
O'Donnell, Florence Maud	Halifax.
Roach, Edwin Bishop	Nappan Station, Cumb.



Robbins, Welton Havelock .....	Rossway, Digby.
Thomas, Lewis .....	Dartmouth.
Wardrope, Monson James .....	Milford, James.
Woodland, George Hart .....	Wallace, Cumberland.

## THIRD YEAR.

Blackadar, Ross Livingstone .....	Hebron, Yarmouth.
Borden, Lorris Elijah, <i>B. A.</i> , (Dal.) .....	Sheffield Mills, Kings.
Cameron, Clarence Patrick Purcell .....	St. Peter's, C. B.
Campbell, Duncan George Joseph .....	Halifax.
Cock, James Lyall .....	Truro.
Corston, James Robert, <i>B. A.</i> , (Dal.) .....	Halifax.
Fulton, Silas Arthur .....	Truro.
Harris, William Cecil .....	Sheffield Mills, Kings.
Hebb, Arthur Morrison, <i>B. A.</i> , (Dal.) .....	Bridgewater.
King, Alfred Albert, <i>B. Sc.</i> , (Tor.) .....	Hilden, Col.
McGarry, Patrick Alphonso .....	Margaree, C. B.
McKay, William .....	Millsville.
MacKenzie, John James .....	Pictou.
McKinnon, William Francis, <i>B. A.</i> , (St. F. X.) .....	Antigonish.
Millar, James Ross, <i>B. A.</i> , (Dal.) .....	Yarmouth.
Morse, George Randolph .....	Melvorn Square.
Murphy, George Henry .....	Cross Roads, Ohio, Antig.
Philp, Martha Agnes Landers .....	Halifax.
Phinney, Willoughby Shafner .....	South Farmington, Annap.
Watson, David Thorburn Campbell .....	Kingston, Jamaica.

## SECOND YEAR.

Archibald, Charles Clifford .....	Harmony, Col.
Austen, Minna May, <i>M. A.</i> (Dal.) .....	Halifax.
Brehaut, Lester .....	Murray Harbor, P. E. I.
Burris, Howard Lester .....	Little River, Musq'dbt.
Coffin, Melville .....	Savage Harbor, P. E. I.
Crawford, Daniel McNeill .....	Wood's Island, P. E. I.
DesBrisay, Charles De LaCoeur .....	Lunenburg.
Dickey, Edwin Egbert .....	Upper Canard.
Earle, Richard William Laurance .....	Hampton, N. B.
Ellison, Reginald Bond Loomis .....	Bear River.
Fisher Franklin, <i>B. A.</i> , (Dal.) .....	Bay of Islands, Nfld.
Ford, Theodore Rupert .....	Milton.
Fuller, Lewis Obid .....	Avonport, Kings.
Hawboldt, Harvey David .....	Marriott's Cove, Chester,
Lawson, William Alfred .....	Wallace. [Lunenburg.
McAulay, Murdock Alexander .....	Glace Bay, C. B.
McCuish, Kenneth Angus .....	St. Peter's.
Maciver, John Angus .....	South Cove.
McKenzie, Kenneth Alexander .....	Springhill.
McKinnon, William Thomas Morris, <i>B. L.</i> (Dal.) .....	Amherst.
McLeod, Albert Churchill .....	Milton.
Morrison, John Charles .....	Englishtown, C. B.
Morse, Charles Dakin .....	Sandy Cove, Digby.
Moseley, Arthur John .....	Sydney, C. B.
Munro, Blanche Margaret .....	Antigonish.
Murray Daniel .....	Meadowville.
Norwood, Edmund Bambrick .....	Hubbard's Cove, Halifax.
Potter, Jacob Leslie .....	Canning.
Rice, Grace Elizabeth Bernard, <i>B. A.</i> , (Dal.) .....	Weymouth.
Wallace, Peter James .....	Chatham, N. B.
Whitman, George Watson .....	Guysboro.
Woodbury, Frank Valentine .....	Dartmouth.

## FIRST YEAR.

Barton, Frederick Ray	Pubnico, Yar.
Buckley, Clarence Edward Albert	Halifax.
Champion, James Bearisto	Alberton, P. E. I.
Cunningham, Allan Rupert, <i>B. A.</i> , (Dal.)	Dartmouth.
Day, Frederick Breckin	Lockeport.
Day, Frederick William	Halifax.
Farquharson, William Oban, <i>B. A.</i> , (Dal.)	Halifax.
Gillis, Andrew Colin	Morar, Antigonish.
Hardy, George Albert	Alberton, P. E. I.
Jardine, Frederick W.	Freetown, P. E. I.
Johnson, Thomas Ross	Onslow Mountain.
Kinhead, Edmund Clarke	Kingston, Jamaica.
Layton, James Smith, <i>B. A.</i> , (Dal.)	Marshfield, P. E. I.
McDonald, Thomas Davidson	Thorburn, Pictou.
McDonald, Thomas Henry	New Glasgow.
McKay, Daniel Alexander	Welsford, Pictou.
McKenzie, David Wallace	Flat River, P. E. I.
McKenzie, Eliza Margaret	Flat River, P. E. I.
McKenzie, Jemima	Waterside, Pictou.
McKenzie Luther Burns, <i>B. A.</i> , (Dal.)	Bedford.
Messinger, Stella May	Tupperville, Annapolis.
Miller, Arthur Frederick	Charlottetown.
Morrison, Bertha Leila	Dartmouth.
Rankine, John, <i>B. A.</i> , (Dal.)	Halifax.
Richardson, Chesley Alva Clarence	Sydney, C. B.
Slyater Robert Underhill	Halifax.
Stephens, Frederick Newton	Tenecape.

## GENERAL STUDENTS.

Low Margaret	Halifax.
McKay, Katherine D.	McLellan's Brook, Pictou.

## APPENDIX.

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# FACULTIES OF ARTS AND SCIENCE.

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### JUNIOR MATRICULATION

EXAMINATION PAPERS, - - 1900-1901.

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#### LATIN.

*Examiner*.....HOWARD MURRAY, B. A.

CÆSAR: GALLIC WAR, BOOK V. VERGIL: AENEID, BOOK III.

TIME: THREE HOURS.

#### I.

Translate :

(a) Toto hoc in genere pugnae, cum sub oculis omnium ac pro castris dimicaretur, intellectum est nostros propter gravitatem armorum, quod neque insequi cedentes possent, neque ab signis discedere auderent, minus aptos esse ad hujus generis hostem; equites autem magno cum periculo proelio dimicare, propterea quod illi etiam consulto plerumque cederent, et, cum paulum ab legionibus nostros removissent, ex essedis desilirent, et pedibus dispari proelio contenderent. Equestris autem proelii ratio et cedentibus et insequentibus par atque idem periculum inferebat. Accedebat huc, ut nunquam conferti, sed rari magnisque intervallis, proeliarentur, stationesque dispositas haberent, atque alios alii deinceps exciperent, integrique et recentes defatigatis succederent.

(b) Tum procul e fluctu Trinacria cernitur Aetna,  
Et gemitum ingentem pelagi pulsataque saxa  
Audimus longe fractasque ad litora voces,  
Exsultantque vada, atque aestu miscentur arenae.  
Et pater Anchises: Nimirum haec illa Charybdis:  
Hos Helenus scopulos, haec saxa horrenda canebat.  
Eripite, o socii, pariterque insurgite remis.  
Haud minus ac iussi faciunt, primusque rudentem  
Contorsit laevas proram Palinurus ad undas;  
Laevam cuncta cohors remis ventisque petivit.  
Tollimur in caelum curvato gurgite, et idem  
Subducta ad Manis imos desedimus unda.

1. Parse in (*a*) intellectum, pedibus, insequentibus ; in (*b*) pelagi, idem.
2. Indicate where the accent falls in pronouncing the following words :—Amiserunt, annotinas, corporis, gallinam, imperator, inimicus, leporem, plerique, Tamesis, undique, vectigal, viderent.
8. Scan, marking quantities, the first five lines of extract (*b*).
4. Indicate by a rough map Caesar's idea of the form, size and position of Britain.
5. A brief account of Vergil's life.

## II.

1. Decline in the singular :—id, iter, filius ; in the plural :—locus, portus, res.
2. Compare : malus, malevolus, maturus, arduus, fidus, audacter, leviter, parum, magis.
3. Write down (*a*) the pres. inf. pass., (*b*) the 2nd sing. perf. ind. act., (*c*) the 3rd plur. pluperf. subj. pass. of deferat, fecerat, cognoverat, relinquissent, videret, cogereetur, adacta, abiecta.
4. Give two examples of each of the following kinds of conjunctions in Latin :—(*a*) Copulative, (*b*) Disjunctive, (*c*) Adversative, (*d*) Causal, (*e*) Temporal, (*f*) Concessive.
5. Latin for : (*a*) No one in the world. (*b*) The Romans ruled the world. (*c*) He went into the country. (*d*) Let us die for our country. (*e*) He says that it is not true. (*f*) I hope to see him there. (*g*) It is said that he came to-day. (*h*) A rather serious illness detained him.
6. Translate into Latin :—
  - (*a*) Cæsar gave orders to the lieutenant to cause as many ships as possible to be built during the winter.
  - (*b*) This done, the enemies' general demanded food of us and promised to pardon us.
  - (*c*) All of us knew well why this was said, but we were unwilling to alter our plan.
  - (*d*) Our leader resolved to keep this man with him, because he had learned he was eager for revolution.
  - (*e*) He had acquired such great influence by these means that embassies came to him from all quarters to seek his favor.

## III.

For sight translation :

Hac habita contione, et ad extremam orationem confirmatis militibus, ne ob hanc causam animo permoverentur, neu, quod iniquitas loci adtulisset, id virtuti hostium tribuerent, eadem de profectioe cogitans, quæ ante senserat, legiones ex castris eduxit, ac emque idoneo loco constituit. Cum Vercingetorix nihilo magis in æquum locum descenderet, levi facto equestri proelio, atque eo secundo, in castra exercitum reduxit. Cum hoc idem postero die fecisset, satis ad Gallicam ostentationem minuendam militumque animos confirmandos factum existimans, in Haeduos castra movit. Ne tum quidem insecutis hostibus, tertio die ad flumen Elaver venit ; pontem refecit, atque exercitum traduxit.

GREEK.

Examiner ..... HOWARD MURRAY, B. A.

XENOPHON: ANABASIS, BOOK III.

TIME: THREE HOURS.

I.

Translate :

(a.) Ἐπεὶ δὲ ἡμεῖς οὐ παραδόντες, ἀλλ' ἐξοπλισμένοι ἐλθόντες παρεσκήσαμεν αὐτῷ, τί οὐκ ἐποίησε πρέσβεις πέμπων καὶ σπονδὰς αἰτῶν καὶ παρέχων τὰ ἐπιτήδεια, ἔστε σπονδῶν ἔτυχεν; Ἐπεὶ δ' αὖ οἱ στρατηγοὶ καὶ λοχαγοὶ, ὡσπερ δὴ σὺ κελεύεις, εἰς λόγους αὐτοῖς ἀνευ ἰπλῶν ἦλθον πιστεύσαντες ταῖς σπονδαῖς, οὐ νῦν ἐκείνοι παιόμενοι, κεντούμενοι, ὑβρίζομενοι, οὐδ' ἀποθανεῖν οἱ τλήμονες δύνανται, καὶ μάλ', οἶμαι, ἐρῶντες τούτου; ἀ σὺ πάντα εἰδὼς τοὺς μὲν ἀμύνασθαι κελεύοντας φλυαρεῖν φῆς, πείθειν δὲ πάλιν κελεύεις ἰόντας; Ἐμοὶ δὲ, ὦ ἄνδρες, δοκεῖ τὸν ἄνθρωπον τούτον μήτε προσίσθαι εἰς ταῦτ' ἡμῖν αὐτοῖς, ἀφελομένους τε τὴν λοχαγίαν σκεῖν ἀναθέντας ὡς τοιοῦτ' ἀρῆσθαι.

(b.) Ἦν ὁ γὰρ αὐτῶν ἐπισκεψόμεθα τινες πέπανται σφενδόνας, καὶ τούτῳ μὲν δόμεν αὐτῶν ἀργύριον, τῷ δὲ ἄλλας πλέκειν ἐθέλοντι ἄλλο ἀργύριον τελῶμεν, καὶ τῷ σφενδοῦν ἔν τῳ ἐντεταγμένῳ ἐθέλοντι ἄλλην τιὰ ἀτέλειαν εὐρίσκωμεν, ἴσως τινὲς φανοῦνται ἱκανοὶ ἡμᾶς ὠφελεῖν. Ὅρῳ δὲ ἵππους ὄντας ἔν τῳ στρατεύματι, τοὺς μὲν τινὰς παρ' ἐμοῖ, τοὺς δὲ τῷ Κλεάρχῳ καταλελειμμένους, πολλοὺς δὲ καὶ ἄλλους αἰχμαλώτους σκενοφοροῦντας. Ἄν οὖν τούτους πάντας ἐκλέξαντες σκενοφόρα μὲν ἀντιδῶμεν, τοὺς δὲ ἵππους εἰς ἱππέας κατασκευάσομεν, ἴσως καὶ οὗτοί τι τοὺς φερόντας ἀνιάσοσιν. Ἔδοξε καὶ ταῦτα. Καὶ ταύτης τῆς νυκτὸς σφενδονῆται μὲν εἰς διακοσίους ἐγένοντο.

1. Parse in (a) παραδόντες, σπονδῶν; in (b) καταλελειμμένους, νυκτός.

2. Give a very brief summary of the narrative contained in the two preceding books. Indicate by a sketch-map or otherwise the progress of the Greeks as related in this book.

II.

1. Give the genitive and accusative singular and the nominative and dative plural of:—

ἀμαξία, ἀληθές, ἀνάβασις, αὐτή, βέλος, Ἑλληγν, ἦτις, σταθμός.

2. Compare ἄπειρος, ἀσινής, ἐχθρός, ἱκανός, μέγας, τλήμων, ἐγγύς, ταχέως.

3. Give the principal parts of:—

ἄγω, αἰρέω, θνήσκω, πίπτω, τρέφω, φέρω.

4. Give the verb from which each of the following forms comes, and tell what part of the verb each is:—

ἦλθον, παράσχη, συνειλημμένοι, συνεστάθη, φάνητε.

5. Write out the pluperf. ind. act. of *λέω*; the pres. ind. pass. of *τιμάω*; the aor. ind. act. of *δίδωμι*; the imperf. ind. of *εἶμι*.

6. Write down the Greek demonstratives and give rules for their correct use.

7. Greek for:—Alexander the son of Philip, the men of old, they are alone, 11, 11 times, 11th, which of the two? the middle of the island, he came the quickest way, one does one thing and another another, we are standing on tiptoe.

8. Turn into Greek:—

(a) The Greeks think that they will never again see their parents or their native land.

(b) We shall never be older if we surrender ourselves to-day to the enemy.

(c) The king has been plotting against us for a long time, in order that he may destroy us.

(d) Choose leaders and come to the middle of the camp, bringing with you those chosen.

(e) Death is to all men common and inevitable, let us then strive for a noble death.

### III.

For sight translation:—

Ὁ δὲ Ξενοφῶν ἀκούσας ταῦτα εἶπεν· “Ἄλλὰ σοὶ μὲν τοιαῦτα λέγοντι καὶ ἀποκρίνασθαι χαλεπὸν· τούτου δ’ ἕνεκα τοῦ νεανίσκου λέξω, ἵν’ εἰδῆ, οἰοί τε ὑμεῖς ἐστε καὶ οἰοί ἡμεῖς. Ἡμεῖς μὲν γάρ,” εἶπε, “πρὶν ὑμῖν φίλοι γενέσθαι, ἐπορευόμεθα διὰ ταύτης τῆς χώρας, ὅποι ἐβουλόμεθα, ἢ μὲν ἐθέλομεν πορβοῦντες, ἢ δ’ ἐθέλομεν καίοντες· καὶ σὺ, ὅποτε πρὸς ἡμᾶς ἔλθοις πρεσβύων, ἠγλίξον τότε παρ’ ἡμῖν, οὐδένα φοβούμενος τῶν πολεμίων· ὑμεῖς δὲ οὐκ ἦτε εἰς τήνδε τὴν χώραν, ἢ, εἰ ποτε ἔλθοιτε, ὡς ἐν κρείττωνων χώρα ἠγλίξεσθε ἐγκεχαλινωμένοι τοῖς ἵπποις. Ἐπεὶ δὲ φίλοι ἐγένεσθε καὶ δι’ ἡμᾶς σὺν θεοῖς ἔχετε τήνδε τὴν χώραν, νῦν δὴ ἐξελαύνετε ἡμᾶς ἐκ τῆσδε τῆς χώρας, ἢ παρ’ ἡμῶν ἐχόντων κατὰ κράτος παρελάβετε· ὡς γὰρ αὐτὸς οἶσθα, οἱ πολέμοι οὐχ ἰκανοὶ ἴσαν ἡμᾶς ἐξελαύνειν.

### FRENCH.

*Examiner* ..... PROFESSOR LIECHTI.

TIME: THREE HOURS.

Translate: A. Charles XII.

Charles avait de l'aversion pour le latin; mais dès qu'on lui eut dit que le roi de Pologne et le roi de Danemarck l'entendaient, il l'apprit bien vite, et en retint assez pour le parler le reste de sa vie. Dès qu'il eut quelque connaissance de la langue latine, on lui fit traduire Quinte-Curce; il prit pour ce livre un goût que le sujet lui inspirait beaucoup plus encore que le style. Celui qui lui expliquait cet auteur lui ayant demandé ce qu'il pensait d'Alexandre: "Je pense, dit le prince, que je voudrais lui ressembler." Mais, lui dit-on, il n'a vécu que trente deux ans. Ah! reprit-il, n'est-ce pas assez quand on a conquis des royaumes?"

B. — Pierre Alexiovitz parut devant Narva à la tête de cette grande armée le 1er Octobre, dans un temps plus rude en ce climat que ne l'est le mois de janvier à Paris. Le czar, qui dans de pareilles saisons faisait quelquefois quatre cents lieues en poste, à cheval, pour aller visiter une mine ou quelque canal, n'épargnait pas plus ses troupes que lui-même : il savait d'ailleurs que les Suédois, depuis le temps de Gustave-Adolphe, faisaient la guerre au coeur de l'hiver comme dans l'été ; il voulut accoutumer aussi ses Moscovites à ne point connaître de saisons, et les rendre un jour pour le moins égaux aux Suédois. Ainsi dans un temps où les glaces et les neiges forcent les autres nations, dans les climats tempérés, à suspendre la guerre, le czar Pierre assiégeait Narva à trente degrés du pôle, et Charles XII s'avavançait pour la secourir.

Questions : 1. Parse and give principal parts of : *avait, dit, voudrais* (A) ; *est, fais ait, forcent* (B). Write down the subjunct. present of *avait*, and the future simple of *est*.

2. Charles avait de l'aversion pour le latin (A). Write this sentence both in the *interrogative* and in the *negative* form, explaining peculiarities of construction in each form.

3. Que le sujet lui inspirait (A). Parse *que* ; show by examples that *que* may be used as a *conjunction* and as an *interrog. pronoun*. Write the plural of *lui* and mention, giving an ex., when the conjunctive pronoun is placed *after* the verb.

4. Je pense, dit le prince, que je voudrais lui ressembler. Write this sentence in the plural. Translate into French : Her Majesty, the Queen of England. His Majesty, the Emperor of Germany.

5. Et en retint assez (A). Parse *en*, and write this clause substituting for *en* the term for which it stands. When do you translate "some" and "any" by *de* alone ; give exs. Translate : I have friends : have you any ? I have two good ones.

6. Il n'a vécu que trente ans. Parse *ne . . . que* ; write this sentence, substituting the term analogous to *ne . . . que*. Translate and comment on peculiarities of construction in the following : How old are you ? He has travelled two thousand miles. Eighty men were killed and two hundred and ten wounded. It is fine to-day.

7. Write down the comparative and superlative of : *bon, bien, peu* ; the feminine of the adjectives : *doux, joli, pauvre, sec, public*, and the masculine of : *vieille, neuve, protectrice, chère, vive* ; give the English of these words.

8. Dans un temps où les glares (B). Account for and explain the sign ' in *où* ; distinguish between : a and à ; des and dès. The word *temps* is not always expressed by *time*, translate for exs. : What time is it ? It is twelve o'clock (M). I have read the book several times. Il fait mauvais temps.

9. Translate into French ; Charles XII was King of Sweden ; he set out on his first campaign on the 8th of May in the year seventeen hundred. There are a great many strangers in town. The weather is mild. It is raining. Do you speak French ? No sir, I am an Englishman, and I only speak English. To-day is the 15th of September, 1900 (letters).

## GERMAN.

Examiner ..... PROFESSOR LIECHTI.

TIME, 3 HOURS.

Translate :

A. *Ein Missverständniß*—Eines Morgens kam in ein Wirthshaus am Rhein, ein junger, preußischer Offizier, und bestellte sich einen marinierten Hering, der ihm auch bald in einer Brühe mit Kapern gebracht wird.—Nicht weit von ihm sitzt ein österreichischer Offizier, der ihn freundlich anredet und sagt. "Nicht wahr, das ist etwas gutes, ich habe sie selbst in Italien wachsen sehen."—"Sie scheinen heiter aufgelegt, erwiderte der Preuße, ich muß Sie aber ersuchen mir solchen Unsinn nicht aufbinden zu wollen."—"Gar kein Unsinn es ist mein voller Ernst.—Lächerlich! Wie können Sie so etwas behaupten?"—Und ich sage Ihnen ich habe es selbst gesehen, sie wachsen auf Sträuchern.—Und ich will jetzt keinen derartigen Scherz! Suchen Sie sich einen andern für dergleichen lächerliche Behauptungen."—"Gar nichts Lächerliches, es ist so, Sie können mirs glauben, ich hab' es mit eignen Augen gesehen."

B. *Herzog Friedrich mit der leeren Tasche*.—Herzog Friedrich, zubenannt, mit der leeren Tasche, war in die Reichsacht gethan und flüchtete aus Konstanz nach dem getreuen Land Tirol. Weil aber der feindliche Bruder, Herzog Ernst im Lande lag, und Prälaten und Ritter zu ihm standen, so hielt sich Friedrich verborgen in den Hochthälern. Eines Tages kam er nach Landeck herab um die Stimmung des Volkes zu versuchen. Im Dorfe wurde gerade zur Feier der Kirchweihe ein bäuerliches Reimspiel aufgeführt. Der Herzog ging nun, als Pilger verkleidet, selbst unter die Gaukler, und sang den Landleuten im Schatten der grünen Linde eine Geschichte vor wie ein ehrenhafter, fürstlicher Herr, der es zu allen Zeiten mit den Bauern gehalten, als Flüchtling in Elend irre.—

C. *Der eiserne Landgraf*—Der Schmied fragte, wer er wäre? "Des Landgrafen Jäger!"—Da rief der Schmied. Schande über den Landgrafen! Kein ehrlicher Mund sollte ihn nennen"! Ludwig schwieg und der Schmied sprach zuletzt. Beherbergen will ich dich heute in dem Schuppen da findest du Heu, da magst du dich mit deinem Pferde behelfen, aber um deines Herrn willen thu' ich es nicht." Der Landgraf ging beiseit, konnte aber nicht schlafen. Die ganze Nacht hindurch arbeitete der Schmied, und wenn er so mit dem großen Hammer das Eisen zusammenschlug, sprach er bei jedem Schlag: Landgraf werde hart, Landgraf werde hart, wie dies Eisen! Und schalt ihn, und sprach weiter: Du böser, unseliger Herr! was nützeſt du mit deinem Leben den armen Leuten?—



Questions:—1. Parse (any two verbs of each A, B, C.) and give princ. parts of *kam, wird, ist, habe* (A.); *gethan, versuchen, wurde, ging*, (B.); *rief, will, findest, sprach* (C.). Distinguish bet. regul. and irreg. verbs, giving examples.

2. What is the *normal* order of words in a German sente., and how may this order be deviated from? transl. for ex. I have written yesterday a German letter to my English friend; use the same sente. in illustrating the various deviations.

3. Write the Genetive sing. and the Nominat. plur. of *Wirtshaus, Offizier, die Blume, der Bruder, das Volk, die Geschichte, der Landmann, das Mädchen, der Herr*. Mention the *femin.* of *Bruder, Sohn, Mann, Herr, Graf, Deutscher*.

4. Decline in the four cases sing. and plur.—*Ein schöner Tag*. In certain cases the adjunct. does *not* admit of inflection; explain and transl. for exs.: The weather is fine. She sings well. Distinguish between: *Ein neu bemaltes* (painted) *Haus* and *Ein neues bemaltes Haus*.

5. Illustrate the use of: *nein, kein nicht*; turn into German: I have not heard anything new. Distinguish between *Sie* and *sie*.

6. Write down the three persons sing. of the *Present* and the *Imperf.* of the indicative of *sein* and *werden*.

7. Show by short exs. that the word *das* may be used: (a) as a defin. article; (b) as a demonstrat. pron.; (c) as a relative pron. How would the addition of an *s* affect the word *das*; give an ex.

8. Translate:—Do you speak German? No, sir, I cannot speak German. How old are you? I am more than twenty-one. Which is your native country? I am an Englishman. Have you been *abroad* (in der Fremde)? Yes, I was in France this summer. Many strangers are in town. There is much to be seen. You are right.

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## MATHEMATICS.

### ALGEBRA AND ARITHMETIC.

Examiner.....PROF. C. MACDONALD, A. M.

TIME: THREE HOURS.

1. Shew that  $a^m \times a^n = a^{m+n}$ ,  $(a^m)^n = a^{mn}$ , and  $\frac{1}{a^m} = a^{-m}$ .
2. Find, by resolving into factors, the L. C. M. of:  
 $a^3 + b^3$ ,  $a^3 - b^3$ ,  $a^2 + b^2$ ,  $a + b$ ,  $a - b$ .
3. Multiply  $a - a^{\frac{1}{2}} b^{\frac{1}{2}} + a^{\frac{1}{2}} b^{\frac{1}{2}} - a^{\frac{1}{2}} b^{\frac{3}{2}} + b$  by  $a^{\frac{1}{2}} + b^{\frac{1}{2}}$ .

4. Shew that the G. C. M. of  $a^5 + 4a^4b - 4a^3b^2 - 14a^2b^3 + ab^4 + 15b^5$ , and  $a^4 + 2a^3b - 7a^2b^2 + 8ab^3 - 5b^4$  is  $a^2 + 3ab - 5b^3$ .

5. Solve the simultaneous equations, 
$$\left. \begin{aligned} 7x - 2y &= 14 + \frac{x}{2} \\ 7y - 2x &= 32 + \frac{y}{3} \end{aligned} \right\} \text{or}$$

better,  $\frac{a}{x} + \frac{b}{y} = m$ ;  $\frac{b}{x} + \frac{a}{y} = n$ .

6. If  $x^3 + x^2 + 2x + m^3$  is divisible by  $x + m$ , without remainder, then must  $m^2 = m + 1$ .

7. "Are you not 19 years of age?" said A to B. "Not quite" said B"; but if you take the difference between 19 years and my years, and then 5 times the square of this number, you will have a number that exceeds my years by 3." Find B's age.

1. A failed in business, and paid his creditors  $37\frac{1}{2}$  cents on the dollar. Of his assets B received \$423.18. What had been A's indebtedness to B?

2. A man walks uniformly at the rate of 4 miles an hour: what is his rate per second? (1760 yds. = 1 mile.)

3. Express by a Vulgar Fraction the ratio that 2 days,  $7\frac{1}{2}$  hours bears to 5 days, 20 minutes.

4. Subtract  $\left(\frac{1}{15} + \frac{3}{4} + \frac{1}{30}\right)$  from  $\left(\frac{1}{12} + \frac{2}{3} + \frac{1}{16}\right)$ ; and express as one V. F. (afterwards reduced to a Decimal):

Find the value of  $\frac{1 - \frac{1}{2} + \frac{1}{3} - \frac{1}{4} + \frac{1}{5}}{1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5}}$

divided by  $37\frac{3}{8}$ . (Lowest terms.)

5. Multiply  $\cdot 27$  by  $= 916$ .

6. Why is it that, if the Num'rs and Den'rs of a V. F. be multiplied by any the same number, the value of the Fraction is not haltered? e. g.  $\frac{3}{4} + \frac{9}{12} + \frac{2}{3}$ , etc.)

## GEOMETRY.

TIME: THREE HOURS.

1. If from the ends of the base of a triangle lines be drawn to a point within the triangle, their sum is less than the sum of the sides, but the contained angle is greater than the vertical angle of the triangle.

2. Construct a parallelogram equal in area to a given triangle, and having an angle = to a given angle.

3. A line XY is bisected in Z and produced to any point P; prove  $XP \cdot PY + YZ^2 = PZ^2$ .

4. A line drawn from the end of a diameter of a circle, but not at right-angles to it, must cut the circle.

5. Draw the diagonals of a Quadrilateral inscribed in a circle, and produce two opposite sides to meet. Enumerate, with reasons, the pairs of equiangular triangles thus formed.

6. If equal parts in cycle order be cut off from the sides of a square and the adjacent points of section joined, the figure thus formed is also a square.

7. AB, the diameter of a circle, is cut at right-angles in F by the chord CD. Draw chord AG, cutting CD in H: prove that B, F, H, G, lie in a circle.

8. ABC is a triangle, right-angled at C. AD and BF bisect the opposite sides; prove  $AD^2 + BF^2 = \frac{5}{4} (\text{hypotenuse})^2$ .

### ENGLISH.

Examiner.....ARCHIBALD MACMECHAN, Ph. D.

I. Write a short composition of at least three paragraphs on *one and one only* of the following themes, paying attention to handwriting, spelling and punctuation, as well as to diction and sentence construction:

- (a) The Boer War, *or*
- (b) The Siege of the Legations in Peking, *or*
- (c) Canada in the Empire's Need, *or*
- (d) Hastings as an Empire Builder, *or*
- (e) The Choosing of the Caskets, *or*
- (f) The Ruin of Grand Pré, *or*
- (g) The Death of Roderick Dhu.

2. Reproduce carefully in simple prose the substance of the following lines:

“The rain set early in to-night,  
 The sullen wind was soon awake,  
 It tore the elm-tops down for spite,  
 And did its worst to vex the lake:  
 I listened with heart *fit to break*.  
 When glided in Porphyria; *straight*  
 She shut the cold out and the storm,  
 And kneeled and made the cheerless grate  
 Blaze up, and all the cottage *warm*;  
 Which done, she rose, and from her form  
 Withdrew the dripping cloak and shawl,  
 And *laid* her soiled gloves by, untied  
 Her hat and let her damp hair *fall*,  
 And, *last*, she sat down by my side  
 And called me.”

—BROWNING,—*Porphyria's Lover*.

3. Analyse the extract in (2); and parse the italicised words.

**HISTORY AND GEOGRAPHY.**

*Examiner*.....PRESIDENT FORREST.

TIME : THREE HOURS.

**HISTORY.**

1. Write an account of Danish Period English History.
2. Write account Constitutions of Clarendon. Provisions of Oxford.
3. Leading events of reign of Edward I.
4. Short account of reign of George III.
5. When and how did England gain possession of Gibraltar? Malta? India? Canada? Cape of Good Hope?
6. Tell what you know about the Abbé Laval.
7. Write a short article on the Marquis de la Roche.
8. What were the provisions of the Quebec Act of 1774?
9. When did New Brunswick become a separate province? and when did Fredericton become its capital?

**GEOGRAPHY.**

1. In what zones do the different continents lie?
2. Give Lat. and Long. of Ottawa, Winnipeg, Vancouver, Baltimore, Pretoria, Cairo, Moscow, Pekin.
3. If you passed round the world on the 30th parallel of latitude what countries and waters would you cross?
4. Give the population of Great Britain and Ireland, France, Pennsylvania, New Brunswick, Prince Edward Island, Switzerland, Belgium.
5. Locate Canton, Munich, Prague, Johannesburg, Cincinnati, Brisbane, Stettin, Dantzig, Lorenzo Marques.

## DALHOUSIE COLLEGE.

HALIFAX, N. S.

*June 24th, 1902.*

In view of the present needs and prospective development of the Maritime Provinces, the Governors of Dalhousie College have decided to assist in the work of technical education by establishing a School of Mines. They have already undertaken to appoint a specialist to be Director of the School, to secure other lecturers, and to provide the necessary laboratory appliances; and they expect to be able to announce before long a definite and suitable course of study. To provide for this as well as the other urgent needs which the rapid growth of the College has developed, they propose to raise by public subscription the sum of \$200,000.

This resolution has been taken in response to a wide-spread demand for better technical education. The extent of this demand is seen in the success of the International Correspondence School for Technical Students. Between 1891 and September 1901, it had enrolled 1200 students in Nova Scotia alone, and nearly 2000 in the three Maritime Provinces. During the same period over eighty students entered Dalhousie College with a technical course in view. There is reason to believe that about twenty young men leave the province each year for technical schools abroad.

Our young men should not be compelled to go abroad for their education. The cost of travelling, of living, the fees at the larger institutions in the United States and central Canada prevent many of our young men from attending them. At present, fully three-fifths of the students at Dalhousie are earning all or a considerable part of the money required for their college expenses.

If the people of the Maritime Provinces wish to retain their present position of power and influence in the political and industrial life of Canada, they cannot afford to delegate to the United States or to the other provinces of Canada, the higher education of their young men. Experience has abundantly shown that too many of our brilliant young men who have been educated abroad fail to return. If Ontario with about twice the population of these provinces finds it advisable to maintain two large universities with technical schools, not to mention smaller institutions, although a great university and school of engineering is within half-a-day's journey of the bulk of her population, it is surely reasonable to expect these provinces to make similar provision for their own needs. We are entering upon a period of great industrial expansion, not unlike that experienced by the Eastern States after the migration of the agricultural population to the West, when the development of the mines of Pennsylvania, and the manufacturing industries of New England brought them great wealth and a large population.

The past history of the Maritime Provinces, their physical features, their future relations with Newfoundland, the great commercial development which our mineral resources and maritime position make inevitable, all point to the great necessity of building up a university here capable of meeting the new demands for the best technical as well as literary and scientific training.

Dalhousie College already provides at least three-fifths of the instruction required for a School of Mines, namely, in Chemistry, Physics, Mathematics, Geology. The Governors propose to supplement these by establishing courses conducted by competent specialists in Mineralogy, Assaying, Mining and Metallurgy and other courses subsidiary to Mining Engineering; and they are confident the training so furnished will meet the immediate needs. They expect to develop later a school of engineering, which will grow with the industrial growth of the community. It is their purpose to insist on a high standard of efficiency from the outset.

The College has other pressing needs. In nearly every department, the greater number of students and the improvement in the courses of study make increased assistance necessary. At present, the departments of Classics and Chemistry are in the greatest need, but the claims of the others are only less urgent. The establishment of Teaching Fellowships, which has proved so beneficial in other institutions would add greatly to the general efficiency. These Fellowships would be held by graduates with Honours, who would relieve the professor of laboratory work, the correcting of exercises and elementary teaching. Such Fellowships in other similar institutions are usually of the value of Five Hundred Dollars per annum.

Again, the laboratories and libraries (Arts and Law) are in sore need of a regular income for apparatus and books. The erection of the Macdonald Memorial Library will immediately render a regular annual expenditure necessary for mere maintenance. Three Thousand Dollars per annum, though by no means adequate, would almost treble the efficiency of these departments.

In the Faculties of Science and Law, a large part of the instruction is given by Lecturers who assist the College without salary. There should be endowed Professorships or Lectureships in Biology, Geology, Law and Engineering.

Again, the expansion of the College work in these directions will require in the course of time more extensive grounds and buildings. The needs are plain to all familiar with university requirements and history.

The Governors appeal with confidence to the people of the Maritime Provinces for their hearty support of this scheme, believing that their interest in education and strong patriotism will make it an undoubted success. The sum of \$200,000, which they propose to raise, will be all needed to meet the requirements outlined above.

JOHN FORREST,  
*President.*

JOHN F. STAIRS,  
*Chairman of the Board of Governors.*

H. McINNES,  
*Treasurer of the Board of Governors.*

The College has other possible fields in which to  
develop the greater number of students and the improvement  
of the present, the department of Classics and Literature is in the  
front rank, but the study of the others are only secondary.  
The establishment of Teaching Fellowships, which has proved so  
beneficial in other institutions, would add greatly to the present  
efficiency. These fellowships would be held by graduates with  
honors in the study of the various branches of literature.

The department of Science and Chemistry, including  
the study of natural history, is one of the most  
valuable in our college. The department of  
Natural History, which has been established in the  
College, is one of the most valuable in our college.

Among the laboratories and libraries (1875 and 1876) are  
the most of a regular income for apparatus and books. The  
study of the sciences of natural history will undoubtedly  
render a greater amount of service to our country  
than any other. These Natural History, though by no  
means adequate, would almost make the efficiency of these  
departments.

In the Faculty of Science and Law, a large part of the  
instruction is given by Lecturers who have the College without  
salary. They should be employed for their services in  
the Faculty, Law and Engineering.

Among the expenses of the College, the most important  
will be in the course of the year, necessary grounds and  
buildings. The needs are plain to all familiar with university  
requirements and buildings.

The following report will contain the details of the  
expenses of the College for the year ending at the close  
of the year. It has been prepared by the Faculty and  
will be a valuable report. The list of expenses will  
show the progress of the College in the year.

JOHN R. STAIRS, President  
JOHN FOREST, Secretary  
H. W. WILSON, Treasurer  
The Board of Trustees



\* TIME TABLE—FACULTY OF LAW.

<i>Hours.</i>	<i>Monday.</i>	<i>Tuesday.</i>	<i>Wednesday.</i>	<i>Thursday.</i>	<i>Friday.</i>
9 to 10. ....	Shipping .....	Const. History. ....	Const. Law. ....	Const. History. ....	Const. Law.
10 to 11 .....	Conflict of Laws. ..	Crimes .....	Crimes .....	.....	International Law.
11 to 12 .....	.....	.....	Bills and Notes. ....	} Moot Court .....	Equity.
12 to 1. ....	.....	.....	Contracts .....		Contracts.
4.30 to 5.30 ....	Real Property, 1st yr.	Real Property, 2nd yr.	Procedure.....	Partnership.....	Torts.
8 to 9. ....	.....	.....	.....	.....	.....

\*Subject to alteration.

