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ANNUAL CALENDAR  
 OF  
 MCGILL COLLEGE  
 AND  
 UNIVERSITY,  
 MONTREAL.



FOUNDED UNDER BEQUEST OF THE HON. JAMES MCGILL  
 ERECTED INTO A UNIVERSITY BY ROYAL CHARTER  
 IN 1821, AND RE-ORGANIZED BY AN  
 AMENDED CHARTER IN 1852.

SESSION 1889-90.

**Montreal:**  
 PRINTED FOR THE UNIVERSITY BY JOHN LOVELL & SON.

1889.

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1889.

The *Examination Papers* of the Session 1888-89 are published separately, and may be purchased of the Secretary, or through booksellers.

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1889/90

Governor

HIS EXCELLENCE  
SECRETARY

[Being the Members]

THE HONORABLE

COUNCIL

PETER

JOHN

THE HONORABLE

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THE HONORABLE

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Appointments, and

SIR WILLIAM

(The Principals of  
College and University)

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D. C. McC

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HON. H. F

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*Profe*
- J. EMERY  
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- C. H. McL  
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*Lecturer in German Language and Literature.* 34 Lorne Avenue.

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*Instructor in Elocution.*

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*Instructor in Laryngology.* St. Johns, P.Q.

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*Assistant to Professor of Chemistry, Arts and Applied Science.* 242 St. Antoine.

T. JOHNSON ALLOWAY, M.D., L.R.C.S., L.R.C.P. (Edinburgh).  
*Instructor in Gynaecology.* 934 Dorchester Street.

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MISS HELEN S. GAIRDNER, Lady Superintendent. 47 Victoria Street.

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MR. H. MOTT, *Library Assistant,* Library, McGill College.

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# General Statement.

SESSION OF 1889-90.

The Fifty-seventh Session of the University, being the Thirty-sixth under the amended Charter, will commence in the Autumn of 1889.

By Virtue of the Royal Charter, granted in 1821 and amended in 1852, the Governors, Principal and Fellows of McGill College constitute the Corporation of the University; and, under the Statutes framed by the Board of Governors, with approval of the Visitor, have the power of granting Degrees in all the Arts and Faculties, in McGill College, and Colleges affiliated thereto.

The Statutes and Regulations of the University have been framed on the most liberal principles, with the view of affording to all classes of persons the greatest possible facilities for the attainment of mental culture and professional training. In its religious character the University is Protestant, but not denominational; and while all possible attention will be given to the character and conduct of students, no interference with their peculiar views will be sanctioned.

The educational work of the University is carried on in McGill College, Montreal, and in the Affiliated Colleges and Schools.

## I. MCGILL COLLEGE.

**THE FACULTY OF ARTS.**—The complete course of study extends over four Sessions, of eight months each; and includes Classics and Mathematics, Experimental Physics, English Literature, Logic, Mental and Moral Science, Natural Science, and one Modern Language or Hebrew. The course of study is, with few exceptions, the same for all students in the first two years; but in the third and fourth years extensive options are allowed, more especially in favour of the Honour Courses in Classics, Mathematics, Mental and Moral Science, Natural Science, English Literature and Modern Languages. Certain exemptions are also allowed to professional Students. The course of study leads to the Degrees of B.A., M.A., and LL.D.

**THE DONALDA SPECIAL COURSE IN ARTS** provides for the education of women, in separate classes, with course of study, exemptions and honours similar to those for men.

**THE FACULTY OF APPLIED SCIENCE** provides a thorough professional training, extending over three or four years, in Civil Engineering, Mechanical Engineering, Mining Engineering and Assaying, and Practical Chemistry, leading to the Degrees of Bachelor of Applied Science, Master of Engineering, and Master of Applied Science.

**THE FACULTY OF MEDICINE.**—The complete course of study in Medicine extends over four Sessions, of six months each, and one Summer Session of three months in the third Academic Year, and leads to the Degree of M.D., C.M.

**THE FACULTY OF LAW.**—The complete course in Law extends over three Sessions, of six months each, and leads to the Degrees of B.C.L. and D.C.L.

## II. AFFILIATED COLLEGES.

Students of Affiliated Colleges are matriculated in the University, and may pursue their course of study wholly in the Affiliated College, or in part in McGill College, and may come up to the University Examinations on the same terms with the Students of McGill College.

MORRIN COLLEGE, *Quebec*.—Is affiliated in so far as regards Degrees in Arts and Law. [Detailed information may be obtained from REV. JOHN COOK, D.D., Principal.]

ST. FRANCIS COLLEGE, *Richmond*.—Is affiliated in so far as regards the Intermediate Examinations in Arts. [Detailed information may be obtained from PRINCIPAL BANNISTER, B.A., Richmond, P.Q.]

### III. AFFILIATED THEOLOGICAL COLLEGES.

Affiliated Theological Colleges have the right of obtaining for their Students the advantage, in whole or in part, of the course of study in Arts, with such facilities in regard to exemptions as may be agreed on, and a number of Free Tuitions are granted by the Board of Governors to the Students of these Colleges, when matriculated in Arts.

THE CONGREGATIONAL COLLEGE OF BRITISH NORTH AMERICA, *Montreal*. Principal, REV. WILLIAM M. BARBOUR, D.D., 58 McTavish St.

THE PRESBYTERIAN COLLEGE, MONTREAL, in connection with the Presbyterian Church in Canada. Principal, REV. D. H. MACVICAR, D.D., LL.D., 69 McTavish St.

THE DIOCESAN COLLEGE OF MONTREAL. Principal, REV. CANON HENDERSON, M.A., D.D., 896 Dorchester St.

THE WESLEYAN COLLEGE OF MONTREAL. Principal, REV. GEORGE DOUGLASS, LL.D., 228 University St.

[Calendars of the above Colleges and all necessary information may be obtained on application to their Principals.]

### IV. MCGILL NORMAL SCHOOL.

THE MCGILL NORMAL SCHOOL provides the training requisite for Teachers of Elementary and Model Schools and Academies. Teachers trained in this School are entitled to Provincial Diplomas, and may, on conditions stated in the announcement of the School, enter the classes in the Faculty of Arts for Academy Diplomas and for the Degree of B.A. Principal, S. P. ROBINS, LL.D., 30 Belmont St., Montreal.

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31	Thursday

## ACADEMICAL YEAR 1889-90.

SEPTEMBER, 1889.

1 SUNDAY	
2 Monday	Normal School opens.
3 Tuesday	
4 Wednesday	Meeting of Normal School Committee.
5 Thursday	
6 Friday	
7 Saturday	
8 SUNDAY	
9 Monday	
10 Tuesday	
11 Wednesday	
12 Thursday	
13 Friday	
14 Saturday	
15 SUNDAY	
16 Monday	Mat. and Sup. Exn's in Classics Exhib. and Scholarship Exam. Meeting of Faculty of Law.
17 Tuesday	Mat. and Sup. Ex'n's in Math's Exhib. et Scholarship Exam.
18 Wednesday	Mat. et Sup. Ex'n's in English, Logic, Men. and Mor. Phil. Exhib. and Sch. Exm'ns.
19 Thursday	Mat. et Sup. Ex'n's in Modern Lang's and Nat. Sc.; Exhib. and Sch. Exam'ns.
20 Friday	Exhib. and Sch. Ex'ns. Lect's in Arts and App. Sc. begin. Matric. Exam. in Medicine.
21 Saturday	
22 SUNDAY	
23 Monday	Meeting of Faculty of Arts.
24 Tuesday	
25 Wednesday	Matric. Exam. in Law.
26 Thursday	Summer Essays in Applied Sc.
27 Friday	Meeting of Governors. Register Medical Faculty opens.
28 Saturday	Meeting of Faculty of Law.
29 SUNDAY	
30 Monday	Meeting of Fac. of App. Sc.

OCTOBER, 1889.

1 Tuesday	Session of Medical and Law Faculties begins.
2 Wednesday	Meeting Nor. Sch. Committee.
3 Thursday	
4 Friday	Meeting Faculty of Arts.
5 Saturday	
6 SUNDAY	
7 Monday	Founder's Birth'd'y. The Wm. Molson Hall opened, 1862.
8 Tuesday	
9 Wednesday	
10 Thursday	
11 Friday	
12 Saturday	
13 SUNDAY	
14 Monday	
15 Tuesday	
16 Wednesday	
17 Thursday	
18 Friday	Meeting of Faculty of Arts.
19 Saturday	
20 SUNDAY	
21 Monday	Meeting of Museum Com.
22 Tuesday	Meeting of Library Com.
23 Wednesday	Regular Meeting of Corporation
24 Thursday	Reps. Schol. et Exh. Ac. aud.
25 Friday	
26 Saturday	Meeting of Governors.
27 SUNDAY	
28 Monday	
29 Tuesday	
30 Wednesday	
31 Thursday	

NOVEMBER, 1889.

1 Friday	Meeting of Faculty of Arts.
2 Saturday	
3 SUNDAY	
4 Monday	
5 Tuesday	Meeting of Fac. App. Science.
6 Wednesday	Meeting Normal School Com.
7 Thursday	
8 Friday	
9 Saturday	
10 SUNDAY	
11 Monday	
12 Tuesday	
13 Wednesday	
14 Thursday	
15 Friday	Meeting of Faculty of Arts.
16 Saturday	
17 SUNDAY	
18 Monday	
19 Tuesday	
20 Wednesday	
21 Thursday	
22 Friday	Meeting of Governors
23 Saturday	
24 SUNDAY	
25 Monday	
26 Tuesday	
27 Wednesday	
28 Thursday	Meeting of Faculty of Arts.
29 Friday	
30 Saturday	

DECEMBER, 1889.

1 SUNDAY.	
2 Monday	
3 Tuesday	Meeting of Faculty of App. Sc.
4 Wednesday	Meeting of Nor. Sch. Comm.
5 Thursday	
6 Friday	
7 Saturday	
8 SUNDAY	
9 Monday	
10 Tuesday	
11 Wednesday	
12 Thursday	
13 Friday	Meeting of Fac. of Arts. Lec- tures in Arts and Ap. Sc. end.
14 Saturday	Exam. Bot. Med. Studs. Ex- aminations in Law.
15 SUNDAY	
16 Monday	Christmas Examinations begin.
17 Tuesday	
18 Wednesday	Examinations in Law.
19 Thursday	Examinations in Law. [in Law.
20 Friday	Meeting of Governors. Exams.
21 Saturday	Christmas Vacation begins.
22 SUNDAY	Examinations in Law.
23 Monday	
24 Tuesday	
25 Wednesday	Christmas-Day.
26 Thursday	
27 Friday	
28 Saturday	
29 SUNDAY	
30 Monday	
31 Tuesday	

JANUARY, 1890.

1	Wednesday	
2	Thursday	
3	Friday	
4	Saturday	Christmas Vacation ends.
5	SUNDAY	
6	Monday	Lectures in Arts, Law, Med. & App. Sci. recommence.
7	Tuesday	Meeting of Fac. of App. Sci.
8	Wednesday	Meeting of Nor. Sc. Comm.
9	Thursday	
10	Friday	Meeting of Faculty of Arts.
11	Saturday	
12	SUNDAY	
13	Monday	
14	Tuesday	
15	Wednesday	
16	Thursday	
17	Friday	Meeting of Faculty of Arts.
18	Saturday	
19	SUNDAY	
20	Monday	Meeting of Museum Com.
21	Tuesday	Meeting of Library Com.
22	Wednesday	Regular Meet'g of Corporation.
23	Thursday	Examiners appointed. Annual Report to Visitor.
24	Friday	Meeting of Governors.
25	Saturday	
26	SUNDAY	
27	Monday	
28	Tuesday	
29	Wednesday	
30	Thursday	
31	Friday	Theses for M. A. & LL. D. to be sent in to the Dean of Fac. of Arts. Meeting of Fac. of Arts.

FEBRUARY, 1890.

1	Saturday	Theses for Deg. of B.C.L. to be sent in to Dean of Fac. of Law
2	SUNDAY	Meeting of Examiners.
3	Monday	
4	Tuesday	Meeting of Fac. App. Science.
5	Wednesday	Meeting of Nor. Sch. Comm.
6	Thursday	
7	Friday	
8	Saturday	
9	SUNDAY	
10	Monday	
11	Tuesday	
12	Wednesday	
13	Thursday	
14	Friday	Meeting of Faculty of Arts.
15	Saturday	Supplemental Exam's in Arts and Applied Science.
16	SUNDAY	
17	Monday	
18	Tuesday	
19	Wednesday	No Lectures.
20	Thursday	
21	Friday	Meeting of Governors.
22	Saturday	
23	SUNDAY	
24	Monday	
25	Tuesday	Theses for Degree of B.C.L. to be sent in to Dean of Faculty.
26	Wednesday	
27	Thursday	Meeting of Faculty of Arts.
28	Friday	

MARCH, 1890.

1	Saturday	Theses for degree of B.C.L. to be sent in to Dean of Faculty.
2	SUNDAY	
3	Monday	
4	Tuesday	Meeting of Fac. of Ap. Science.
5	Wednesday	Meeting of Nor. Sc. Com.
6	Thursday	
7	Friday	
8	Saturday	
9	SUNDAY	
10	Monday	
11	Tuesday	
12	Wednesday	
13	Thursday	
14	Friday	Meeting of Fac. of Arts.
15	Saturday	Examinations in Law, and Botany Med. Fac.
16	SUNDAY	
17	Monday	
18	Tuesday	Meeting Fac. App. Sci.
19	Wednesday	Lectures in Medicine end.
20	Thursday	Exam's in Med. begin.
21	Friday	Meeting of Fac. of Arts. Reports of Attendance on Lects.
22	Saturday	
23	SUNDAY	
24	Monday	
25	Tuesday	
26	Wednesday	
27	Thursday	Lects. in Arts and Ap. Sc. end.
28	Friday	Meeting of Governors. Matric. Exam. in Medicine.
29	Saturday	
30	SUNDAY	
31	Monday	

APRIL, 1890.

1	Tuesday	Meeting of Fac. of Ap. Science and Convocation for Degrees in Medicine.
2	Wednesday	
3	Thursday	
4	Friday	Good Friday. Easter Vac. begins
5	Saturday	
6	SUNDAY	Easter.
7	Monday	
8	Tuesday	Easter vacation ends.
9	Wednesday	Meeting of Nor. Sc. Committee
10	Thursday	
11	Friday	Meeting of Fac. of Arts.
12	Saturday	Exams. in Law begin.
13	SUNDAY	
14	Monday	
15	Tuesday	
16	Wednesday	
17	Thursday	
18	Friday	
19	Saturday	
20	SUNDAY	
21	Monday	Meeting of Museum Committee
22	Tuesday	Meeting of Library Committee
23	Wednesday	Regular meeting of Corporation.
24	Thursday	Meeting of Examiners, & of Fac. Arts and Law.
25	Friday	Meeting of Governors.
26	Saturday	Declaration of result of Exam's.
27	SUNDAY	
28	Monday	
29	Tuesday	Convocation for Degrees in Law and Applied Science.
30	Wednesday	Convocation for Degrees in Arts.

1	Thursday	
2	Friday	
3	Saturday	
4	SUNDAY	
5	Monday	
6	Tuesday	
7	Wednesday	
8	Thursday	
9	Friday	
10	Saturday	
11	SUNDAY	
12	Monday	
13	Tuesday	
14	Wednesday	
15	Thursday	
16	Friday	
17	Saturday	
18	SUNDAY	
19	Monday	
20	Tuesday	
21	Wednesday	
22	Thursday	
23	Friday	
24	Saturday	
25	SUNDAY	
26	Monday	
27	Tuesday	
28	Wednesday	
29	Thursday	
30	Friday	
31	Saturday	

1	SUNDAY	
2	Monday	
3	Tuesday	
4	Wednesday	
5	Thursday	
6	Friday	
7	Saturday	
8	SUNDAY	
9	Monday	
10	Tuesday	
11	Wednesday	
12	Thursday	
13	Friday	
14	Saturday	
15	SUNDAY	
16	Monday	
17	Tuesday	
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21	Saturday	
22	SUNDAY	
23	Monday	
24	Tuesday	
25	Wednesday	
26	Thursday	
27	Friday	
28	Saturday	
29	SUNDAY	
30	Monday	

MAY, 1890.

JULY, 1890.

1 Thursday Meeting of Examiners for Sch. Examinations. Examinations in Normal School begin.

2 Friday

3 Saturday

4 SUNDAY

5 Monday

6 Tuesday Meeting Nor. Sch. Committee.

7 Wednesday

8 Thursday

9 Friday

10 Saturday

11 SUNDAY

12 Monday

13 Tuesday

14 Wednesday

15 Thursday

16 Friday

17 Saturday

18 SUNDAY

19 Monday

20 Tuesday

21 Wednesday

22 Thursday Meeting of Governors. Queen's Birthday.

23 Friday

24 Saturday Whit-Sunday.

25 SUNDAY

26 Monday

27 Tuesday

28 Wednesday

29 Thursday

30 Friday Normal Sch. closes for Summer Vacation.

31 Saturday

1 Tuesday

2 Wednesday

3 Thursday

4 Friday

5 Saturday

6 SUNDAY

7 Monday

8 Tuesday

9 Wednesday

10 Thursday

11 Friday

12 Saturday

13 SUNDAY

14 Monday

15 Tuesday

16 Wednesday

17 Thursday

18 Friday

19 Saturday

20 SUNDAY

21 Monday

22 Tuesday

23 Wednesday

24 Thursday

25 Friday

26 Saturday

27 SUNDAY

28 Monday

29 Tuesday

30 Wednesday

31 Thursday

JUNE, 1890.

AUGUST, 1890.

1 SUNDAY Trinity Sunday.

2 Monday Examinations for Matric. and Associate in Arts begin.

3 Tuesday

4 Wednesday Normal School Committee.

5 Thursday

6 Friday

7 Saturday

8 SUNDAY

9 Monday

10 Tuesday

11 Wednesday

12 Thursday

13 Friday

14 Saturday

15 SUNDAY

16 Monday

17 Tuesday

18 Wednesday

19 Thursday

20 Friday Declaration of results of School Examinations.

21 Saturday

22 SUNDAY

23 Monday Meeting of Museum Committee.

24 Tuesday Meeting of Library Committee.

25 Wednesday Regular Meeting of Corporat'n. Report of Normal School.

26 Thursday

27 Friday Meeting of Governors.

28 Saturday Summr. Sessn. Med. Fac. ends.

29 SUNDAY

30 Monday

1 Friday

2 Saturday

3 SUNDAY

4 Monday

5 Tuesday

6 Wednesday

7 Thursday

8 Friday

9 Saturday

10 SUNDAY

11 Monday

12 Tuesday

13 Wednesday

14 Thursday

15 Friday

16 Saturday

17 SUNDAY

18 Monday

19 Tuesday

20 Wednesday

21 Thursday

22 Friday

23 Saturday

24 SUNDAY

25 Monday

26 Tuesday

27 Wednesday

28 Thursday

29 Friday

30 Saturday

Peter Redpath Museum opened 1882.

### FACULTY OF ARTS.

*EXHIBITION, SCHOLARSHIP, &c., EXAMINATIONS,  
SEPTEMBER, 1889.*

DAY.	DATE	FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	HOURS.
Monday.	16	Greek.	Greek.	Greek.	9 to 12
"	16	Latin.	Latin.	Latin Prose Comp.	2 to 5
"	16			Mathematics.	9 to 12
Tuesday.	17	Mathematics.	Mathematics.	Latin.	9 to 12
"	17			Mathematics.	9 to 12
"	17			Botany.	9 to 12
"	17	Mathematics.	Mathematics.	Ancient History.	2 to 5
"	17			Botany.	2 to 5
Wednesday.	18	English.	English.	English.	9 to 12
"	18			Logic.	9 to 12
"	18	English.		English.	2 to 5
"	18		Chemistry.	Chemistry.	2 to 5
Thursday.	19			Mathematics.	9 to 12
"	19			Botany.	9 to 12
"	19		French.	French.	9 to 12
"	19	Grammar and Comp. (Classics.)	General Paper. (Classics.)	English Composition	2 to 5
Friday.	20		Mathematics.	Mathematics.	9 to 12
			English.		2 to 5

*CHRISTMAS EXAMINATIONS, DECEMBER, 1889.*

DAY.	DATE	FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
Monday.	16	Latin.	Latin.	Mechanics.	Astronomy.
"	16		Mathematics, P.M.		
Tuesday.	17	Greek.	Botany.	Greek.	Greek.
"	17		German, P.M.	Botany, P.M.	Latin, P.M.
Wednesday.	18	Mathematics.	Psychology.	Zoology, P.M.	Moral Philosophy
"	18	French, P.M.	French, P.M.	Latin	Geology.
Thursday.	19	Chemistry.	Greek.		
"	19	German, P.M.	German, P.M.		
"	19	Hebrew, P.M.	Hebrew, P.M.		
Friday.	20	English.		Ment. Phil.	

### SESSIONS

DAY.	SESSIONS
MARCH.	A
31 Mon.	Hel
APRIL.	
1 Tue.	....
2 Wed.	Gre
3 Thurs.	Lati
4 Fri.	
9 Wed.	Engl
10 Thurs.	Geon and
11 Fri.	Trigo and
14 Mon.	Frenc
15 Tues.	Chem
16 Wed.	Meeti
17 Thurs.	.....
18 Fri.	Germa
19 Sat.	
21 Mon.	
22 Tues.	Honou
23 Wed.	
24 Thurs.	Honou
25 Fri.	
26 Sat.	
30 Wed.	Convoc

The Examination



## FACULTY OF ARTS.

SESSIONAL AND HONOUR EXAMINATIONS, APRIL, 1890.

DAY.	FIRST YEAR.		SECOND YEAR.		THIRD YEAR.		FOURTH YEAR.	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
MARCH.								
31 Mon.	Hebrew .....		Hebrew .....		Hebrew. ....		Hebrew.	
1 Tue.	.....		.....		.....		B.A. Honours.	
2 Wed.	Greek. ....		Greek. ....		Mech'ics. ....		Ethics. Ethics.	
3 Thurs.	Latin.	Anc. History	Latin.	Composition	Latin.	.....	Latin.	Latin.
4 Fri.	Good Friday		—Easter Vac. begins.					
9 Wed.	English. ....		English. English.		Ex. Phy- English. sics.		Ex. Phy- History. sics.	
10 Thurs.	Geometry..... and Arithmetic. ....		Mathematics.....		Greek.....		Math. Physics and B.A. Honours.	
11 Fri.	Trigonometry and Algebra. ....		Mathematics... ..		Astr'y and..... Optics.....		B.A. Honours.	
14 Mon.	French.....		French.....		Metaphysics.....		Geology.. Geology	
15 Tues.	Chemistry .....		.....		..... Zoology		Greek. History.	
16 Wed.	Meeting of Exa'ners.		Logic.....		.....		.....	
17 Thurs.	.....		Botany.....		French.....		French; B.A. Hon- ours.	
18 Fri.	German. ....		German.....		German. ....		German; B.A. Hon- ours.	
19 Sat.	Meeting of		Examiners.					
21 Mon.	Meeting of		Examiners.					
22 Tues.	Honour Examinations		Honour Examinations		Honour Exam'tions		B.A. Honours.	
23 Wed.	Meeting of		Examiners.		Meeting of		Corporation.	
24 Thurs.	Honour Examinations		Honour Examinations		Honour Exam'tions		B.A. Honours.	
25 Fri.	Meeting of		Examiners.					
26 Sat.	Meeting of		Examiners.		Declaration		of results.	
30 Wed.	Convocation for Degr		ees in Arts.					

The Examinations begin at 9 A.M. and 2 P.M., when not specified otherwise.

FACULTY OF APPLIED SCIENCE.

EXAMINATIONS.—1889-90.

CHRISTMAS, 1889.

The days of the several Examinations will be announced by the Faculty during the Session.

SESSIONAL, 1890.

DAYS.	FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
F. Mar. 28	{ Freehand & Model Drawing.			
S. " 29		Descrpt' ve Geomet' y	Descrpt' ve Geometry	
Sun. " 30				
M. " 31			Theory of Structures	Theory of Structures.
T. April 1		Surveying.	{ Mach. & Millwork Surveying.	{ Mach. & Millwork Mineralogy (adv.)
W. " 2		Mechanism.	Theory of Structures	{ Assaying Theo. of Structures
T. " 3		Materials.	Materials.	Materials.
F. " 4				
S. " 5		Prac. Construction.	Pract. Construction.	Pract. Construction.
Sun. " 6				
M. " 7		Essay.	Essay.	Essay.
T. " 8		Practical Chemistry.	{ Practical Chem. Th. of Struc. (adv.)	Theory of Structures (adv.)
W. " 9	English.	Exp. Physics.	Exp. Physics.	Theory of Structures.
T. " 10	Mathematics.	Mathematics.	Mathematics.	
F. " 11			{ Mach. & Millwork Geology.	{ Theo. of Structures Geology (adv.)
S. " 12	Mathematics.	Mathematics.	Mathematics.	Theory of Structures (adv.)
Sun. " 13				
M. " 14	French.	French.	Mechanical Work.	Mech. Work.
T. " 15	Chemistry.	{ Zoology (p.m.) Chemistry (a.m.)	Chemistry.	Chemistry.
W. " 16		English.	English.	Heat.
T. " 17			French.	Heat (adv.).
F. " 18	German.	German	German.	Hydraulics.
S. " 19	Mathematics.	Mathematics.	Mathematics.	Hydraulics (adv.).
Sun. " 20				
M. " 21				
T. " 22			Mineralogy (adv.)	Geology (adv.).
W. " 23				
T. " 24			Mineralogy (adv.)	Lithology.

Professors :-

Dean of the  
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[CONTENTS  
Study, § III.;  
Medals, &c.,  
§ VIII.; Lib  
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# Faculty of Arts.

THE PRINCIPAL (Ex-officio).

Professors :— DAWSON.  
JOHNSON.  
CORNISH.  
DAREY.  
MURRAY.  
HARRINGTON.  
MOYSE.

Professors :—PENHALLOW.  
COUSSIRAT.  
Assistant Prof. :—EATON.  
Lecturers :—CHANDLER.  
LAFLEUR.  
TOEWS.

Dean of the Faculty :—ALEXANDER JOHNSON, LL.D.  
Honorary Librarian :—REV. GEORGE CORNISH, LL.D.

[CONTENTS.—*Matriculation, &c.*, § I.; *Exhibitions, &c.*, § II.; *Course of Study*, § III.; *Examinations, Degrees, &c.*, § IV.; *Exemptions, &c.*, § V.; *Medals, &c.*, § VI.; *Licensed Boarding Houses*, § VII.; *Attendance and Conduct*, § VIII.; *Library*, § IX.; *Peter Redpath Museum*, § X.; *Fees, &c.*, § XI.; *Courses of Lectures*, § XII.]

The next Session of this Faculty will begin on September 16th, 1889, and will extend to April 30th, 1890.

## §I. MATRICULATION AND ADMISSION.

In this University those only who attend Lectures are denominated Students.

Students in the Faculty of Arts are classified as Matriculated or Occasional. Matriculated Students are those who have their names entered in the Matriculation Book; they are subdivided into Undergraduates and Partial Students; Non-matriculated are denominated Occasional Students. The conditions of admission for each, and for students of other Universities are given below.

## I. UNDERGRADUATES.

Undergraduates alone can proceed to the degree of B.A. Candidates for admission into the First Year as Undergraduates are required to pass the First Year Entrance Examination. The successful candidates are arranged as First Class, Second Class, and Passed. To the most deserving in the First Class the First Year Exhibitions are awarded. For those who aim at passing only, a minimum course is appointed, and there are two examinations in the year:—

(1) That held in the first week of June, at the same time as the examinations for Associate in Arts. Schools desirous to take advantage of this may send their pupils for examination to McGill College; or, if at a distance, by sending in names of Deputy Examiners for approval, with a list of candidates on or before May 1st, may have papers sent to them. (2) That held at the opening of the session, on September 16th and following days, in McGill College alone.

As the examination is intended as a test of qualification for admission to the classes of the University, certificates of passing are not granted except to those who subsequently attend lectures.

## FIRST YEAR ENTRANCE EXAMINATIONS.

## (a). For Passing only.

Examinations on June 1st in McGill College and local centres; on September 16th in McGill College only.

*Greek.*—Xenophon, Anabasis, Book I.; Greek Grammar.

*Latin.*—Cæsar, Bell. Gall. Book I.; and Virgil, Æneid, Book I. lines 1-300; Latin Grammar.

*Mathematics.*—Arithmetic; Algebra, to Simple Equations (inclusive) Euclid's Elements, Books I., II., III.

*English.*—Writing from Dictation. A paper on English Grammar including Analysis. A paper on the leading events of English History. Essay on a subject to be given at the time of the examination.

*French.*—Grammar up to the beginning of syntax. An easy translation from French into English.

Candidates unable to take French are not excluded, but will be required to study German after entrance.

At the September (but not at the June) examinations an equivalent amount of other books or other authors in Latin and Greek than those named may be

accepted by  
Classics.

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b). Higher ea

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College only.

*Greek.*—H

Philippics I.

*Latin.*—Ci

Bk. III.

A paper on

*Text-books.*

Composition,

and Principia

Bradley.

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*English.*—F

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accepted by the Examiners on application made through the Professor of Classics.

Candidates who at the Examination for Associate in Arts have passed in the above subjects are admitted as Undergraduates.

*b). Higher examination—For First Class, Second Class, Passing, and Exhibitions.*

The Examination will be held on September 16th and following days in McGill College only. (For Exhibitions, see §II.)

*Greek.*—Homer, Iliad, bk. IV.; Xenophon, Anabasis, bk. I.; Demosthenes, Philippics I. and II.

*Latin.*—Cicero, in Catilinam, Orat. I; Virgil, Æneid, Bk. I; Horace, Odes, Bk. III.

A paper on Greek and Latin Grammar;

*Text-books.*—Hadley's or Goodwin's Greek Grammar. Arnold's Greek Prose Composition, Exercises 1 to 25. Dr. Wm. Smith's Smaller Latin Grammar, and Principia Latina, Part IV.; or Arnold's Latin Prose Composition by Bradley.

*Mathematics.*—Euclid, bks. I., II., III., IV.; Algebra to end of Harmonical Progression (Colenso); Arithmetic.

*English.*—English Grammar and Composition.—(Mason's Grammar, omit Derivation and Appendix.)

SECOND YEAR ENTRANCE EXAMINATION.

Candidates may be admitted into the Second Year as Undergraduates, if able to pass the Second Year Entrance Examination. The regulations for this correspond to those for the First Year, the higher examination being the same as that for the Second Year Exhibitions (see §II.) held in September, or the Candidates may take the First Year Sessional Examinations held in April. There is besides,

*For Passing only,*

An Examination on Sept. 17th in McGill College only.

*In Classics.*—*Greek.*—Homer, Iliad, Book VI.; Xenophon, Anabasis, Book I.; Grammar and Prose Composition.

*Latin.*—Virgil, Æneid, Book VI.; Cicero, Orations against Catiline; Grammar and Prose Composition.

[An equivalent amount of other books or other authors in Latin and Greek than those named above may be accepted by the Examiners for entrance into the Second Year, on application made through the Professor of Classics.]

*In Mathematics:—*

*Euclid.*—Books I., II., III., IV., VI., with defs. of Book V.  
(omitting Propositions 27, 28, 29 of Book VI.)

*Algebra.*—To end of Quadratic Equations. (Colenso's Alg.)

*Trigonometry.*—Galbraith and Haughton's Trigonometry, Chaps.  
1, 2, 3, 4, 6, to beginning of numerical solution of plane  
triangles.

*Arithmetic.*—Elementary rules, Proportion, Interest, Discount, &c.,  
Vulgar and Decimal Fractions, Square Root.

*In English Literature.*—Writing from Dictation, English Grammar, including  
Analysis, English Composition, English History (Buckley). Essay.

*In French.*—French Grammar; or (instead of French) *German*, in which know-  
ledge sufficient to enable the Candidate to join the regular class will be  
required.

*In Chemistry.*—The Chemistry of the ~~non~~ metallic Elements, and of the more  
common metals.

[*Note.*—Candidates unable to pass in French or German are not excluded, but  
they are required to begin German, and to continue the study of it for two years.  
Candidates unable to pass in Chemistry are required to attend such of the lectures  
in the subject as are open to them, and to pass an examination at the end of the  
Second Year.]

.....  
2. PARTIAL AND OCCASIONAL STUDENTS.—STUDENTS OF  
OTHER UNIVERSITIES.

PARTIAL STUDENTS.—Candidates for Matriculation as Partial  
Students, taking three or more courses of Lectures, will be examined  
in the subjects necessary thereto, as may from time to time be deter-  
mined by the Faculty.

The subjects in which an examination is necessary are: Latin,  
Greek, Mathematics, English, French.—Candidates are required to  
appear at the ordinary entrance examinations announced above; but,  
on application to the Faculty, may, for sufficient cause, have a later  
day appointed.

OCCASIONAL STUDENTS.—Persons desirous of taking one or  
two courses of Lectures as Occasional Students may apply to the  
Dean for entry in his Register, and to the professor or the professors  
of the subjects of the lectures that they may be satisfied of their fit-  
ness, and may subsequently procure from the Secretary tickets for  
the Lectures.

STUDENTS OF OTHER UNIVERSITIES may be admitted, on the

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### 3. GENERAL REGULATIONS.

Candidates for entrance into the First Year of the Faculties of Medicine or Applied Science in McGill University may pass in the above examinations.

Every Student is expected to present, on his entrance, a written intimation from his parent or guardian of the name of the minister of religion under whose care and instruction it is desired that the Student should be placed, who will thereupon be invited to put himself in communication with the Faculty on the subject. Failing such intimation from his parent or guardian, the Faculty will endeavor to establish befitting relations.

Every matriculated student is required to sign in the Matriculation Book the following :—

#### DECLARATION.

“I hereby declare that I will faithfully observe the statutes, rules and ordinances of this University of McGill College to the best of my ability.”

### 4. DIRECTIONS TO CANDIDATES FOR ADMISSION.

Candidates are required :—

- (a) To present themselves to the Dean, and fill up a form of application for admission. (§I.)
- (b) To pass the required examinations (§I.). (Unless already passed.)
- (c) To procure tickets from the Registrar (§XI.), and, if not Occasional Students, to sign the Matriculation Book.
- (d) To present their tickets to the Dean. (§XI.)
- (e) To provide themselves with the Academic dress. (§VIII.)

## § II. SCHOLARSHIPS AND EXHIBITIONS.

### GENERAL REGULATIONS.

1. A Scholarship is tenable for *two* years. An Exhibition for *one* year.
2. Scholarships are open for competition to Students who have passed the University Intermediate Examination, provided that not more than three sessions have elapsed since their Matriculation; and also to candidates who have obtained what the Faculty may deem equivalent standing in some other University, pro-

vided that application be made before the end of the Session preceding the Examination.

3. Scholarships are divided into two classes :—(1) *Science* Scholarships; (2) *Classical and Modern Language* Scholarships. The subjects of Examination for each are as follows:—

*Science Scholarships.*—Differential and Integral Calculus; Analytic Geometry; Plane and Spherical Trigonometry; Higher Algebra and Theory of Equations; Botany; Chemistry; Logic. (For subdivision see below.)

*Classical and Modern Language Scholarships.*—Greek; Latin; English Composition; English Language, Literature, and History; French.

4. Exhibitions are assigned to the First and Second Years.

First Year Exhibitions are open for competition to candidates for entrance into the First Year.

Second Year Exhibitions are open for competition to Students who have passed the First Year Sessional Examinations, provided that not more than two Sessions have elapsed since their Matriculation; and also to candidates for entrance into the Second Year.

The subjects of Examination are as follows:—

*First Year Exhibitions.*—Classics, Mathematics, English.

*Second Year Exhibitions.*—Classics, Mathematics, English Language and Literature, Chemistry and French.

5. The First and Second Year Exhibition Examinations will, for Candidates who have not previously entered the University, be regarded as Matriculation Examinations.

6. No student can hold more than one Exhibition or Scholarship at the same time; but four of the First Year Exhibitioners will be granted exemption from the Sessional fees throughout their College Course, under Presentation Scholarships from the Governor General. (See below).

7. Exhibitions and Scholarships will not necessarily be awarded to the best answerers at the Examinations. Absolute merit will be required.

8. If in any one College Year there be not a sufficient number of Candidates showing absolute merit, any one or more of the Exhibitions or Scholarships offered for competition may be transferred to more deserving Candidates in another year.

9. A successful Candidate must, in order to retain his Scholarship or Exhibition, proceed regularly with his College Course to the satisfaction of the Faculty.

10. The annual income of the Scholarships or Exhibitions will be paid in four instalments, viz. :—In October, December, February and April, about the 20th day of each month.

11. The Examinations will be held at the beginning of every session. There are at present fifteen Scholarships and Exhibitions :—

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THE JANE REDPATH EXHIBITION, founded by Mrs. Redpath, of Terrace Bank Montreal :—value, \$100 yearly, open to both men and women.

TEN McDONALD SCHOLARSHIPS AND EXHIBITIONS, founded by W. C. McDonald, Esq., Montreal :—value, \$125 each, yearly.

THE CHARLES ALEXANDER SCHOLARSHIP, founded by Charles Alexander, Esq., Montreal, for the encouragement of the study of Classics and other subjects :—value, \$120 yearly.

THE GEORGE HAGUE EXHIBITION, given by George Hague, Esq., Montreal, for the encouragement of the study of Classics :—value, \$125 yearly.

THE MAJOR H. MILLS SCHOLARSHIP, founded by bequest of the late Major Hiram Mills :—value, \$100 yearly.

THE BARBARA SCOTT SCHOLARSHIP, founded by the late Miss Barbara Scott, for the encouragement of the study of the Classical languages and literature ;—value, \$100 to \$120 yearly.

#### EXHIBITIONS AND SCHOLARSHIPS OFFERED FOR COMPETITION AT THE OPENING OF THE SESSION, SEPT., 1889.

*To Students entering the First Year, three Exhibitions of \$125, and one of \$100.*

The First Year Exhibitions will be awarded to the best answerers in the higher First Year Entrance Examination (See § I.), provided there be absolute merit.

But in subsequently distributing the Exhibitions of higher value among the successful candidates, answering in the following subjects will be taken into account also :—

1. A re-translation into Latin of an English version of some passage from one of the easier Latin Prose writers. For specimens see Smith's *Principia Latina*, Part V.)

2. Euclid, Book VI. (omitting Props. 27, 28, 29), with Defs. of Book V.

3. English :—An Examination upon one of Shakspeare's plays. For 1889. —*As you Like it.*

*To Students entering the Second Year, two Exhibitions of \$125, and one of \$100.*

*Subjects of Examination :—*

*Greek.*—Homer, *Odyssey*, bk. VI.; Herodotus, bk. III., Chaps. 1 to 67; Demosthenes, *Olynthiacs* I. and II.

*Latin*.—Virgil, *Georgics*, bk. 1.; Horace, *Odes*, bk. I.; Livy, bk. XXII.

Greek and Latin Prose Composition.

A paper on Grammar and History.

*Text-books*.—Cox's General History of Greece. Merivale's General History of Rome. Goodwin's Greek Grammar. Arnold's Greek Prose Composition. Latin Prose through English Idiom (Abbott).

*Mathematics*.—The Mathematics (Ordinary and Honour) of First Year.

*English Literature*.—Mason's Grammar. Shakspeare, *As You Like it*. Trench, *Study of Words*.

*Chemistry*.—Roscoe's Lessons in Elementary Chemistry as far as p. 264.

*French*.—Darey, *Principes de Grammaire française*; Lafontaine, *les Fables*, livres I. and II.; Molière, *le Bourgeois Gentilhomme*.

A candidate for a Second Year Exhibition to be successful must not, at the special examination, be placed in the Third Class in more than one of the ordinary subjects. The award is made on the aggregate of the marks among those who fulfil this condition.

To Students entering the Third Year, Three Scholarships of \$125, and one of \$120, tenable for two Years.

One of these is offered in Mathematics and Logic, and one in Natural Science and Logic, as follows:—

1. *Mathematics*.—Differential Calculus (Williamson, Chaps. 1, 2, 3, 4, 7, 9; Chap. 12, Arts. 168-183 inclusive; Chap. 17, Arts. 225-242 inclusive). Integral Calculus (Williamson, Chaps. 1, 2, 3, 4, 5; Chap. 7, Arts. 126-140 inclusive; Chap. 8, Arts. 150-156 inclusive; Chap. 9, Arts. 168-176 inclusive). Analytic Geometry (Salmon's Conic Sections, subjects of Chaps. 1-13 (omitting Chap. 8), with part of Chap. 14. Lock's Higher Trigonometry; McLelland and Preston's Spherical Trigonometry, Part I. Salmon's Modern Higher Algebra (first four chapters). Todhunter's or Burnside and Panton's Theory of Equations (selected course).

*Logic*, as in Jevons' Elementary Lessons on Logic.

2. *Natural Science*.—*Botany*, as in Gray's Structural and Systematic Botany. *Canadian Botany*, including a practical acquaintance with all the order of Phænogams, Pteridophytes and Bryophytes. *Chemistry* as in Roscoe's Lessons in Elementary Chemistry.

*Logic*, as in Jevons' Elementary Lessons on Logic.

Two will be given on an Examination in Classics and Modern Languages, as follows:—

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*Classics—Greek.*—Euripides, *Medea*; Demosthenes, the *Olyntiacs*; Xenophon, *Hellenics*, Book I.; Herodotus, Book VIII.; Thucydides, Book VI. *Latin.*—Horace, *Satires*, Book I., and *Epistles*, Book I.; Virgil, *Georgics*, Book I.; Terence, *Adelphi*; Tacitus, *Annals*, Book I.; Pliny, *Select Letters* (Pritchard and Bernard; Clarendon Press Series). Greek and Latin Prose Composition.

*History.—Text-books.*—Rawlinson's *Manual of Ancient History*; Smith's *Student's Greece*; Liddell's *Rome*.

*English Language and Literature.*—Spalding's *English Literature* (Chap. VI., Part III., to end of book); Shakspeare, *Tempest*; Milton's *Paradise Lost*, books I. and II.; Trench, *Study of Words*.

*English Composition.*—(High marks will be given for this subject.)

*French.*—Racine, *Britannicus*; Molière, *les Femmes savantes*. French Grammar. Bonnefon, *Les Ecrivains célèbres de la France*. Translation from English into French.

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*Classical Subjects for Exhibitions, September, 1890.*

FIRST YEAR.—*Greek.*—Homer, *Iliad*, Bk. IV.; Xenophon, *Anabasis*, Bk. I.; Demosthenes, *Philippics* I. and II.

*Latin.*—Virgil, *Æn.*, Bk. I.; Cicero, *In Catilinam*, Orat. II. Caesar, *Bell. Gall.* Bk. I.

SECOND YEAR.—*Greek.*—Homer, *Odyssey*, Bk. VII.; Demosthenes, *Olyntiacs*, I. and II.; Herodotus, Bk. III., chaps. 1-67.

*Latin.*—Virgil, *Georgics*, Bk. I.; Horace, *Odes*, Bk. I.; Livy, Bk. XXIII.

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EXEMPTIONS FROM FEES UNDER PRESENTATION SCHOLARSHIPS, &c.

A number of these are in the gift of Benefactors, and entitle the Students holding them to exemption from the Sessional Fees in the Faculty of Arts. Sixteen have been placed by the Governors at the disposal of His Excellency the Governor General. Candidates must pass the usual Matriculation Examination.

[By command of His Excellency, four of these Exemptions will be offered for competition in the First Year Exhibition Examinations of the ensuing session.]

Eight exemptions from fees may be granted by the Board of Governors, from time to time, to the most successful students who may present themselves as can-

didates. By order of the Board one of these is given annually to the *Dux* of the High School of Montreal, and one to the *Dux* of any other Academy or High School sending up in one year for entrance, three or more candidates competent to pass creditably the Matriculation Examination.

In the event of any Academy or High School in the Province of Quebec offering for competition among its pupils an Annual Bursary in the Faculty of Arts of not less than \$80, the Governors will add the amount of the fees of tuition thereto.

Exemptions from fees, not exceeding three in number, may be given to holders of the Academy Diploma of the McGill Normal School, who, on fulfilling the required conditions, enter in the Second Year, if at the Diploma Examination they have taken 75 per cent. of the total marks, with not less than two-thirds of the marks in Latin and in Greek.

By a resolution of the Board of Governors exemptions are granted to students of any affiliated Theological College, recommended by its Principal, and entering the Faculty of Arts either as Undergraduates or as Partial Students.

One exemption is given annually to the pupil (boy or girl) of the Montreal High School holding a Commissioner's exemption from the Schools of the Protestant Commissioners' Montreal, who has taken the highest marks at the A. A. Examination, and is recommended by the Commissioners.

### § III. COURSE OF STUDY.

1. Undergraduates are arranged according to their standing, as Students of the First, Second, Third or Fourth Year. They are required to attend all the courses of Lectures and pass the examinations appointed for their several years, under the Regulations of the Faculty as to attendance and conduct; the only exceptions are those in favor of Honour and Professional Students, stated in § V.

#### ORDINARY COURSE FOR THE DEGREE OF B.A.

##### FIRST YEAR.

GREEK.—HOMER.—Odyssey, Books XXI-XXIV. (Selections.) Studies in History and Literature.

LATIN.—CICERO.—Select Letters. VIRGIL.—Book IX.—Translation at sight.—Studies in History and Literature.—Latin Prose Composition.

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**MATHEMATICS.**—Arithmetic.—Euclid, six Books,—Algebra to end of Quadratic equatums—Plane Trigonometry, in part.

**ENGLISH LANGUAGE AND LITERATURE.**

First term.—MILTON'S *Comus* and BACON'S *Essays* (selected). Two lectures a week. Analysis, one lecture a week.

Second term.—English Literature, previous to Elizabethan Period.

**CHEMISTRY.**—Lectures, chiefly on Elementary and Inorganic Chemistry, with Experiments in the Class-Room, and Laboratory work if desired. The whole preparatory to the course in Natural Science.

**FRENCH.**—DAREY, *Principes de Grammaire française.*—LAFONTAINE, *Choix de Fables.*—MOLIERE, *L'Avare*—Dictation; Colloquial exercises.

*Or either of the following:—*

**GERMAN.**—VANDERSMISSEN'S and FRASER'S *German Grammar.* Adler's *Progressive German Reader* (selections from Sections I and 2). Translations, oral and written. Dictation. Colloquial exercises.

**HEBREW.**—(For Theological Students).—*Elementary Course.*—Reading and Grammar with oral and written exercises in Orthography and Etymology.—Translation and Grammatical Analysis of Genesis.—Text-books, HARPER'S *Elements of Hebrew*; and Introductory *Hebrew Method and Manual.*

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SECOND YEAR.

**GREEK.**—EURIPIDES.—*Medea.*

**LATIN.**—HORACE —*Epistles*, Book II. TACITUS.—*Germania*, Chap. 1-27. Translation at sight and Latin Prose Composition.

**MATHEMATICS.**—Arithmetic, Euclid, Algebra and Trigonometry as before.—Logarithms.—Plane Trigonometry, including solution of triangles and applications.

**ENGLISH LITERATURE.**—A period of English Literature and one play of Shakspeare. During the Session of 1888-9.—The leading poets of the nineteenth century. SHAKSPERE, *A Midsummer Night's Dream.* [Clarendon Press Edition].

**PSYCHOLOGY AND LOGIC.**—First Term.—*Elementary Psychology* (Text-book:—MURRAY'S *Handbook of Psychology*, Book I). Second Term.—*Logic* (Text-book:—JEVONS' *Elementary Lessons in Logic*).

**BOTANY.**—General Morphology and Classification. Descriptive Botany. Flora of Canada. Nutrition and reproduction of plants. Elements of Histology. *Text-books.*—Gray and Bessey.

FRENCH.—Ponsard, l'Honneur et l'Argent,—RACINE, Phèdre—CONTANSEAU, Précis de littérature française depuis son origine jusqu'à la fin du XVIIIe siècle. Translation into French :—DR. JOHNSON, Rasselas. Dictation. Parsing. Colloquial exercises.

*Or either of the following :—*

GERMAN.—VANDERSMISSEN'S AND FRASER'S German Grammar. ADLER'S Progressive German Reader (selections from Sections 3-5). TOWNSON, Easy German Stories Dictation. Colloquial exercises. Translations, oral and written. Parsing.

HEBREW.—(For Theological Students.)—*Intermediate Course.*—Grammar.—Dr. Harper's "Elements and Method."—Translation from Genesis, Exodus, Deuteronomy.—Exercises :—Hebrew into English, and English into Hebrew.—Syntax.—Reading of the Masoretic notes.

For the Intermediate Examinations see § IV.

### THIRD YEAR.

GREEK.—LYSIAS.—Contra Eratosthenem.

ÆSCHYLUS.—Prometheus Vincetus.

*Or, instead of Greek :—*

LATIN.—JUVENAL.—Satires VIII, and XIII.

LIVY.—Book XXI.

Latin Prose Composition.

NATURAL PHILOSOPHY.—MATHEMATICAL PHYSICS.—GALBRAITH AND HAUGHTON'S Mechanics, viz., *Statics*, First 3 chapters, omitting sec. 5, chapter I, and sect. 21, chapter II. ; *Dynamics*, subjects of the First 5 chapters. GALBRAITH AND HAUGHTON'S Hydrostatics.

In addition to the above, the Student must take three subjects out of the two following divisions, headed Literature and Science respectively, the selection being at the option of the student, provided two be taken from one division, and one from the other.

#### *I. Literature, &c.*

LATIN OR GREEK.—As above, according as Greek or Latin has been chosen previously.

ENGLISH AND RHETORIC.—A. CHAUCER'S Prologue to Canterbury Tales, ed. Morris. B. BAIN'S Rhetoric.

MENTAL PHILOSOPHY.—First Term :—The Logic of Induction, as in MILL'S System of Logic, Book III. Second Term :—The Psychology of Cognition, as in MURRAY'S Handbook of Psychology, Book II. Part I.

- FRENCH.**—(If taken in the first two years).—CORNEILLE, *Nicomède*—Cogery :—  
Third French course.—Translation into French :—Morley's *Ideal Commonwealths*. French Composition. Dictation.—CONTANSEAU, *Précis de littérature française, depuis le XVIIIe siècle jusqu'à nos jours*.
- GERMAN.**—(If taken in the first two years.) VANDERSMISSEN'S and FRASER'S German Grammar. SCHILLER, *Siege of Antwerp*. LESSING, *Minna von Barnhelm*. History of German Literature from the earliest periods to the close of the 18th century (a brief survey). German composition. Dictation.
- HEBREW.**—(For Theological Students).—*Advanced Course*.—Gesenius' Grammar—Harper's *Elements of Syntax*. Exercises continued.—Translation. Reading of the Masoretic notes.—*First Part* : Isaiah ; P'salms.—*Second Part* : Job ; Ecclesiastes ; Jeremiah.

## II. Science.

- † OPTICS AND DESCRIPTIVE ASTRONOMY.—Optics (Galbraith and Haughton). Descriptive Astronomy (Lockyer's *Elementary Astronomy*, English edition ; First three chapters. Students are recommended to use with this an "Easy Guide to the Constellations," by Gall.
- † EXPERIMENTAL PHYSICS.—Electricity, Magnetism, and Sound, as in Ganot's *Treatise*.
- ZOOLOGY AND PALÆONTOLOGY.—Elements of Animal Physiology. Classification of Animals. Characters of the Classes and Orders of Animals, with Recent and Fossil Examples, taken as far as possible from Canadian Species. Demonstrations in the Museum. *Text-book*.—Dawson's *Hand-book of Zoology*,

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## FOURTH YEAR.

GREEK.—ÆSCHINES.—*Contra Ctesiphontem*.

*or, instead of Greek :—*

LATIN.—TACITUS.—*Annals*, Book II.

Latin Prose Composition.

NATURAL PHILOSOPHY.—*Mathematical Physics*. (Mechanics and Hydrostatics) as in Third Year, or Astronomy (GALBRAITH AND HAUGHTON) and Optics (GALBRAITH AND HAUGHTON)

MORAL PHILOSOPHY.—First Term.—The Psychological Basis of Ethics. Second Term.—Ethics Proper, comprising the elementary principles of Jurisprudence and Political Science. The Students are required to write occasional essays on Philosophical subjects.

In addition to the preceding, the Student must take three subjects out of the two following divisions (headed Literature and Science respectively) the selection being at the option of the Student, provided all three are not taken out of the same division.

*I. Literature, etc.*

LATIN OR GREEK.—As above, according as Greek or Latin has been taken above.

HISTORY.—Lectures on the History of Europe from the downfall of the Roman Empire of the West to the Reformation. Text-books. MYERS *Mediæval and Modern History*, pp. 1-398. BRYCE, *Holy Roman Empire*. (omit chaps. 6, 8, 9, 13 and supplementary chapter.)

FRENCH.—(If taken in Third Year)—BONNEFON, *Les Ecrivains modernes de la France*.—Translation into French;—Morley's *Ideal Commonwealths*. Dictation.—CORNEILLE, *Nicomède*.

GERMAN.—(If taken in Third Year).—German Grammar and composition. Dictation. FOUQUE, *Undine*; SCHILLER, *Wallenstein*. Outlines of German Literature. GOSTWICK & HARRISON (Chapters 15-24).

HEBREW.—(As in Third Year).—(For Theological Students).

*II. Science.*

†ASTRONOMY AND OPTICS.—If not chosen as above.

†EXPERIMENTAL PHYSICS.—Light and Heat, as in GANOT's *Treatise*.

MINERALOGY AND GEOLOGY.—1. *Mineralogy and Lithology*. Minerals and rocks especially those important in Geology or useful in the Arts. 2. *Stratigraphy, Chronological Geology and Paleontology*.—Data for determining the relative ages of Formations. Classification according to age. Fauna and Flora of the successive periods. Geology of British America. *Text-books*.—Lecture Notes on Geology.

For the B. A. Examinations see § IV.

† Students claiming exemptions (See § V.), cannot count these subjects for the B.A. if they have not taken the Third Year Mathematical Physics.

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## NOTES ON THE ORDINARY COURSE FOR B.A.

Instead of two distinct subjects in one of the above divisions in either Third or Fourth Year, the Student may select one subject only, together with an *Additional Course* in the same or any other of his subjects in which such *Additional Course* may have been provided by the Faculty, under the above rules, provided he has been placed in the first class in the corresponding subject at the preceding Sessional Examination (viz., Intermediate or Third Year, according to standing).

The *Additional course* is intended to be more than an equivalent, in the amount of work involved, for any of the other subjects in the division.

(For details of additional courses provided see under Section XII.)

Undergraduates are required to study either French or German for two years viz., in the First and Second Years), taking the same language in each year. Any Student failing to pass the Examination at the end of the Second Year will be required to pass a Supplemental Examination, or to take an additional Session in the Language in which he has failed. In addition to the obligatory, there are other lectures, attendance on which is optional.

Students who intend to join any Theological School, on giving written notice to this effect at the beginning of the First Year, may take Hebrew instead of French or German.

Undergraduates who have been previously Partial or Occasional Students, and have in that capacity attended a particular Course or Courses of Lectures, may, at the discretion of the Faculty, be exempted from further attendance on these Lectures but no distinction shall in consequence be made between the Examination of such Undergraduates and of those regularly attending Lectures.

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 HONOUR COURSES.

2. At the examination for the degree of B.A., Honours are given in the following subjects, for which special Honour Courses are provided :—[For details see under § XII.]

1. CLASSICAL LANGUAGE AND LITERATURE.
2. MATHEMATICS AND PHYSICS.
3. MENTAL AND MORAL PHILOSOPHY.
4. ENGLISH LANGUAGE, LITERATURE AND HISTORY.
5. GEOLOGY AND OTHER NATURAL SCIENCES.
6. MODERN LANGUAGES WITH HISTORY.
7. SEMITIC LANGUAGES.

Honours are given in the above subjects in the Third Year also, and in Mathematics in the First and Second Years.

Candidates for Honours are allowed exemptions under conditions stated in V.

## § IV EXAMINATIONS.

## COLLEGE EXAMINATIONS.

*For Students of McGill College only.*

1. There are two Examinations in each year; one at Christmas and the other at the end of the Session. In each of those the students who pass are arranged according to their answering as 1st Class, 2nd Class, and 3rd Class.

In the Fourth Year only, the University Examination for B.A. takes the place of the Sessional Examination.

2. Students who fail in any subject at the Christmas Examinations are required to pass a Supplemental Examination (if permission be obtained from the Faculty) on that subject, before admission to the Sessional Examinations.

3. Undergraduates who fail in one subject at the Sessional Examinations of the first two years are required to pass a Supplemental Examination in it. Should they fail in this, they will be required in the following Session to attend the Lectures and pass the Examination in the subject in which they have failed, in addition to those of the Ordinary Course; or to pass the Examination alone without attending lectures, at the discretion of the Faculty.

4. Failure in two or more subjects at the Sessional Examination of the first two years, or in one subject at the third year Sessional examinations, involves the loss of the Session. The Faculty may permit the Student to recover his standing by passing a Supplemental Examination at the beginning of the ensuing Session. For the purpose of this Regulation, Classics and Mathematics are each regarded as two subjects.

5. Application for a Supplemental Examination must in all cases be made to the Faculty. A Partial or Occasional Student is required to pay a fee of \$1 for it, if granted. The time for the Supplemental Examination will be fixed by the Faculty; the examination will not be granted at any other time, except by special permission of the Faculty, and on payment of a fee of \$5.

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## UNIVERSITY EXAMINATIONS.

*For Students of McGill College and of Colleges affiliated in Arts.*

## I. FOR THE DEGREE OF B.A.

There are three University Examinations :—The *Matriculation* at entrance, the *Intermediata*, at the end of the Second Year ; and the *Final*, at the end of the Fourth Year.

1. The subjects of the Matriculation Examination are stated in Section I.

2. In the Intermediate Examination the subjects are Classics and Pure Mathematics, Logic, and the English Language, with one other Modern Language, or Botany. Theological Students are allowed to take Hebrew instead of a Modern Language. The subjects for the examination of 1890 are as follows:—

*Classics.*—Greek.—Euripides.—Medea.

Latin.—Horace.—Epistles, Book II. (including *Ars Poetica*).

Latin Prose Composition.

*Mathematics.*—Arithmetic.

Euclid, Books I., II., III., IV., VI. and defs. of Book V.

Algebra, to Quadratic Equations, inclusive.

Trigonometry, including use of Logarithms.

*Logic.*—Jevons' Elementary Lessons in Logic.

*English.*—Spalding's History of English Literature or Lectures (see course). A paper on the essentials of English History (Buckley). Essay on a subject to be given at the time of the Examination.

With one of the following :—

1. *Botany and Vegetable Physiology.*—Structural and Systematic Botany, as in Gray's Text-Book, omitting the Descriptions of the Orders.
2. *French.*—Ponsard:—l'Honneur et l'Argent. Racine:—Phèdre. CONTANSEAU: Précis de la Littérature française, from the beginning to the end of the XVIII century. Translation into French :—Rasselas. Grammatical questions.
3. *German.*—Schmidt's German Guide; Adler's Reader (selections from secs. 3 and 4); Translation into German.
4. *Hebrew.*—Genesis, chaps. III, IV, V, VI; Exodus, chap. XX.; Deuteronomy chap. XXXII. Exercises:—Hebrew into English, and English Hebrew. Syntax.—Reading of the Masoretic notes.

3. For the Final or B.A. Ordinary Examination the subjects are those appointed as obligatory in the Third and Fourth Years, viz.,

Latin or Greek; Mathematical Physics (Mechanics and Hydrostatics) or Astronomy and Optics; Moral Philosophy; and those three subjects which the Candidate may have selected for himself in the Third and Fourth Years. (See § III.)

The subjects in detail for 1890 are as follows:—

1. *Greek*.—Æschines, *Contra Ctesiphontem*. Æschylus, *Prometheus Vinc-tus*; Greek History:—From the close of the Peloponnesian war to the death of Philip. (Or Latin, as follows):—
2. *Latin*.—Tacitus, *Annals*, Book II; Roman History (The twelve Cæsars.) Juvenal, *Satt.* VIII. and XIII.

*Mathematical Physics.*

1. Mechanics and Hydrostatics, as in Galbraith & Haughton's text-books; or
2. Optics and Astronomy, " "

*Mental and Moral Philosophy.*

Calderwood's *Handbook of Moral Philosophy* (omitting the Historical Sketch pp. 43-76), and Rogers' *Manual of Political Economy*.

\*Lectures, with any two of the books prescribed for Part I. of the Honour work of the Fourth Year.

*Natural Science.*

Mineralogy and Geology, as in Dana's *Manual* and Dawson's *Lecture Notes*,  
 □ \*Geology of Canada and Palæontology, or Practical Chemistry, as in § XII.

*Experimental Physics.*

*Light and Heat*, (see Courses of Lectures § XII).

*History.*

Myers:—Mediæval and Modern History; Bryce's *Holy Roman Empire* (omit Chaps. 6, 8, 9, 13, and Supplementary Chapter).

\*Additional Course as in XII.

*French.*

The Course of French for the Fourth Year.

\*The subjects of the Additional Course as in § IX.

*German.*

The Course of German for Fourth Year.

\*Additional Course as in § XII.

*Hebrew* (Theological Students)†

Isaiah 1, 7, 53, 55.

Psalms 1 to 10.

Gesenius' *Grammar*, Harper's *Elements of Syntax*, Reading of the Masoretic notes.

\*Additional Courses (See § III).

For details of each subject, see Courses of Lecture, § XII.

At the B.A. Ordinary Examination, of those Candidates who obtain the required aggregate of marks, only those who pass in the First Class in three of the departments, and not less than Second Class in the remainder, shall be entitled to be placed in the First Class for the Ordinary Degree.

4. Every Candidate for the Degree of B.A. is required to make and sign the following declaration :—

“Ego ——— polliceor sancteque recipio me, pro meis viribus, studiosum fore communis hujus Universitatis boni, et operam daturum ut ejus decus et dignitatem promoveam.”

#### II. FOR THE DEGREE OF M.A.

1. A candidate must be a Bachelor of Arts of at least three years standing.

##### *Thesis.*

2. He is required to prepare and submit to the Faculty a thesis on some literary or scientific subject, under the following rules :—

*a.* The subject of the thesis must be submitted to the Faculty before the thesis is presented.

*b.* A paper read previously to any association or published in any way cannot be accepted as a thesis.

*c.* The thesis becomes the property of the University, and cannot be published without the consent of the Faculty of Arts.

*d.* The thesis must be submitted before some date to be fixed annually by the Faculty, not less than two months before proceeding to the Degree.

*The last day in the session of 1889-90 for sending in Thesis for M.A. will be Jan. 31st, 1890.*

##### *Examination.*

3. All candidates, except those who have taken First Rank B.A. Honours (or Second Rank B.A. Honours in or after 1889), or have passed First Class in the Ordinary Examinations for the Degree of B.A., are required to pass an examination also, either in Literature or in Science, as each candidate may select.

(*a*) The subjects of the Examination in *Literature* are divided into two groups as follows :—

Group A.—1. Latin. 2. Greek. 3. Hebrew.

Group B.—1. French. 2. German. 3. English.

(b) The subjects for the Examination in *Science* are divided into three groups:—

Group A.—1. Pure Mathematics (Advanced or Ordinary). 2. Mechanics (including Hydrostatics). 3. Astronomy. 4. Optics.

Group B.—1. Geology and Mineralogy. 2. Botany. 3. Zoology. 4. Chemistry.

Group C.—1. Mental Philosophy. 2. Moral Philosophy. 3. Logic. 4. History of Philosophy.

(c) Every Candidate in Literature is required to select two subjects out of one group in the Literary section, and one out of the other group in the same section for the Examination. Every Candidate in Science is required to select two out of the three groups in the Scientific section; and in one of the groups so chosen to select two subjects, and in the other group one subject for Examination.

(d) One of the subjects selected as above will be considered the principal subject (being so denoted by the candidate at the time of application), and the other two as subordinate subjects.

For further details of the Examination application must be made to the Faculty before the above date. For fees see § XI.

### III. FOR THE DEGREE OF LL. D.

Candidates must be Masters of Arts of at least twelve years standing. Every Candidate for the Degree of LL.D. in course is required to prepare and submit to the Faculty of Arts, not less than three months before proceeding to the degree, twenty-five printed copies of a Thesis on some Literary or Scientific *subject previously approved* by the Faculty, and possessing such a degree of Literary or Scientific merit, and evidencing such originality of thought or extent of research as shall, in the opinion of the Faculty, justify it in recommending him for that degree.

N.B.—The subject should be submitted before the Thesis is written.

Every Candidate for the degree of LL.D in Course is required to submit to the Faculty of Arts, with his Thesis, a list of books, treating of some one branch of Literature or of Science, satisfactory

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to the Faculty, in which he is prepared to submit to examination, and on which he shall be examined, unless otherwise ordered by vote of the Faculty. For fees see § XI.

**§ V. SPECIAL PROVISIONS FOR CANDIDATES FOR HONOURS AND FOR PROFESSIONAL STUDENTS.**

The Honour lectures are open to Undergraduates only, and no Undergraduate is permitted to attend unless (a) He has been placed in the First Class in the subject at the preceding Sessional Examination, if there be one, and has (b) satisfied the Professor that he is otherwise qualified.

(c) While attending lectures his progress must be satisfactory to the Professor. If not satisfactory, he may be notified by the Faculty to discontinue attendance.

*I. Candidates for Honours in the Second Year.*

Candidates for Honours in the second year who have obtained Honours in the First Year may omit the lectures and examinations either in Modern Languages (or Hebrew) or Botany, giving notice of the subject at the beginning of the session.

*II. Candidates for Honours in the Third Year.*

Every Candidate for Honours in the Third Year must, in order to obtain exemptions, have passed the Intermediate Examination, and must in the Examinations of the Second Year have taken First Rank Honours if Honours be offered in the subject, or, if not, First Class at the Ordinary Sessional Examinations in the subject in which he proposes to compete for Honours, and be higher than Third Class in the majority of the remaining subjects; such Candidates shall be entitled in the Third Year to exemption from lectures and examinations in any one of the subjects required by the general rule (see § III.), except that in which he is a Candidate for Honours. A Candidate for Honours in the Third Year who has failed to obtain Honours shall be required to take the same examinations for B.A. as the ordinary undergraduates.

*III. Candidates for B.A. Honours.*

A Student who has taken Honours of the first rank in the Third Year, and desires to be a Candidate for B.A. Honours, shall be required to attend two only of the courses of lectures given in the ordinary departments, and to pass the two corresponding examinations only at the ordinary B.A. Examination. Candidates, however, who at the B.A. Examinations obtain Third Rank Honours, will not be allowed credit for these exemptions at the end of the Session, unless the Examiners certify that the knowledge shown of the whole Honour Course (Part II. as well as Part I.) is sufficient to justify it. A Student who has taken Second Rank Honours in the Third Year, and desires to be a Candidate for B.A. Honours in the same subject, shall be allowed to continue in the Fourth Year the study of the same

departments that he has taken in the Third Year, but shall be required to take the same number of subjects as in the Ordinary Course.

NOTE.—For subjects of Ordinary Course see §III.

#### *IV. Professional Students.*

Students of the Third and Fourth Years, matriculated in the Faculties of Law, Medicine or Applied Science of the University, or in any affiliated Theological College, are entitled to exemption from any one of the Ordinary subjects required in the Third and Fourth Years. (For rule concerning "Special Certificates" see § VI.)

To be allowed these privileges in either year they must give notice at the commencement of the Session to the Dean of the Faculty of their intention to claim exemptions as Professional Students, and must produce at the end of the Session certificates of attendance on a full course of Professional Lectures during the year for which the exemption is claimed.

#### *V. Students of the University attending Affiliated Theological Colleges.*

1. Such Students, whether entered as Matriculated or Occasional, are subject to the regulations of the Faculty of Arts in the same manner as other students.

2. The Faculty will make formal reports to the Governing body of the Theological College which any such Students may attend, as to:—(1) their conduct and attendance on the classes of the Faculty; and (2) their standing in the several examinations; such reports to be furnished after the Christmas and Sessional Examinations severally, if called for.

3. Undergraduates are allowed no exemptions in the course for the degree of B.A. until they have passed the Intermediate Examination; but they may take Hebrew in the First or Second Years, instead of French and German.

4. In the Third and Fourth Years they are allowed exemptions, as stated above.

\* Any Student who, under any of the above rules, desires to take Experimental Physics, is required to take Mechanics and Hydrostatics also, in the Third Year.

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#### § VI. MEDALS, HONOURS, PRIZES, AND CLASSING.

1. Gold Medals will be awarded in the B.A. Honour Examinations to Students who take the highest Honours of the First Rank in the subjects stated below, and who shall have passed creditably the Ordinary Examinations for the Degree of B.A., provided they have been recommended therefor to the Corporation by the Faculty on the report of the Examiners:

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The *Henry Chapman Gold Medal*, for the Classical Languages and Literature.

The *Prince of Wales Gold Medal*, for Mental and Moral Philosophy.

The *Anne Molson Gold Medal*, for Mathematics and Natural Philosophy.

The *Shakespeare Gold Medal*, for the English Language, Literature and History.

The *Logan Gold Medal*, for Geology and other Natural Sciences.

*Major Hiram Mills Gold Medal*, for a subject to be chosen by the Faculty from year to year.

If there be no Candidate for any Medal, or if none of the Candidates fulfils the required conditions, the Medal will be withheld, and the proceeds of its endowment for the year may be devoted to prizes on the subject for which the Medal was intended. For details, see announcements of the several subjects below.

2. HONOURS, of First, Second or Third Rank will be awarded to those Undergraduates who have successfully passed the Examinations in any Honour Course established by the Faculty, and have also passed creditably the ordinary Examinations in all the subjects proper to their year.

In and after April, 1889, the Honour Examinations will each be divided into two parts, separated by an interval of a few days, under the following regulations:—

*a.* No candidate will be admitted to Part II. unless he has shown a thorough and accurate knowledge of the course appointed for Part I.

*b.* The names of the successful candidates in Part I. will be announced before Part II. begins.

*c.* First or Second Rank Honours will be awarded to those candidates only who are successful in Part II.

*d.* Third Rank Honours will be awarded to those who are successful in Part I. alone.

*By an Order of the Lieutenant-Governor of Ontario in Council, Honours in this University confer the same privileges in Ontario as Honours in the Universities of that Province, as regards certificates of eligibility for the duties of Public School Inspectors, and as regards exemption from the non-professional Examination of Teachers for First Class Certificates for Grades "A. and B."*

3. SPECIAL CERTIFICATES will be given to those candidates for B.A. who shall have been placed in the First Class at the ordinary B.A. Examination. The candidates must have obtained three-fourths of the maximum marks in the aggregate of the studies proper to their year, be in the First Class in not less than half the subjects, and

have no Third Class. At this examination no candidate who has taken exemptions (see § V.) can be placed in the First Class, unless he has obtained First Class in each of the departments in which he has been examined.

4. CERTIFICATES of High General Standing will be granted to those Undergraduates of the first two years who have obtained three-fourths of the maximum marks in the aggregate of the Studies proper to their year, are in the First Class in not less than half the subjects, and have not more than one Third Class. In the Third Year the conditions are the same as for the Special Certificate for B.A.

5. PRIZES OR CERTIFICATES to those Undergraduates who may have distinguished themselves in the studies of a particular class, and have attended all the other classes proper to their year.

6. His Excellency Lord Stanley has been pleased to offer a GOLD MEDAL for the study of Modern Languages and Literature, with History, or for First Rank General Standing, as may be announced.

(a). The Regulations for the former are as follows :—

(1). The subjects for competition shall be French and German, together with the History part of the present Honour Course for the Shakespeare Medal.

(2). The course of study shall extend over two years, viz., the Third and Fourth Years.

(3). The successful Candidate must be capable of speaking and writing both languages correctly.

(4). There shall be examinations in the subjects of the course in both the Third and Fourth Years, at which Honours may be awarded to deserving Candidates.

(5). The general conditions of competition, and the privileges as regards exemptions, shall be the same as for the other Gold Medals in the Faculty of Arts.

(6). Students from other Faculties shall be allowed to compete, provided they pass the examinations of the Third and Fourth Years in the above subjects.

(7). Candidates desiring to enter on the Third Year of the Course, who have not obtained First Class standing at the Intermediate or Sessional Examinations of the Second Year in Arts, are required to pass an examination in the work of the first two years of the course in Modern Languages, if called on to do so by the Professors.

(8). The subjects of Examination shall be those of the Honour Course in Modern Languages.

(b) The Regulations for the Gold Medal, if awarded for First Rank General Standing, are as follows :—

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(1). The successful candidate must take no exemptions or substitutions of any kind, whether Professional or Honour, in the Ordinary B.A. Examinations.

(2). He shall be examined in the following subjects :—

(a) *Classics* (both languages); (b) *Mixed Mathematics* :—*Mechanics, Hydrostatics, Optics, Astronomy*; (c) *Mental and Moral Philosophy*; and any *two* of the following subjects, or any *one* of them with its Additional Course; (d) *Natural Science*; (e) *Experimental Physics*; (f) *English and History*; (g) *French*; (h) *German*.

(3). His answering must satisfy special conditions laid down by the Faculty.

(4). The same candidate cannot obtain the Gold Medal for First Rank General Standing, and also a Gold Medal for First Rank Honours.

7. THE NEIL STEWART PRIZE of \$20 is open to all Undergraduates of this, and also to Graduates of this or any other University, studying Theology in any College affiliated to this University, under the following rules :—

(1). The prize will not be given for less than a thorough examination in Hebrew Grammar passed in the First Class, in reading and translating the Pentateuch and such poetic portions of the Scriptures as may be determined.

(2). In case competitors should fail to attain the above standard the prize will be withheld, and a prize of Forty Dollars will be offered in the following year for the same.

[Course for the present year :—Hebrew Grammar (Gesenius); Translation and analysis of the first ten chapters of Genesis; the Prophet Habakkuk (the whole book); and the first ten Psalms.]

(3). There will be two Examinations of three hours each; one in Grammar and the other in Translation and Analysis.

The Prize, founded by the late Rev. C. C. Stewart, M.A., and terminated by his death, was re-established by the liberality of the late Neil Stewart, Esq., of Vankleek Hill, and will be offered for competition next session.

8. EARLY ENGLISH TEXT SOCIETY'S PRIZE.—The prize, the annual gift of the Early English Text Society, will be awarded for proficiency in (1) Anglo-Saxon, (2) Early English before Chaucer.

The subjects of Examination will be :—

(1). The Lectures of the Third and Fourth Years on Anglo-Saxon.

(2) Specimens of Early English, Clarendon Press Series, ed. Morris and Skeat, Part II., A.D., 1298—A.D., 1393. The Lay of Havelok the Dane (Early English Text Society, ed. Skeat).

9. NEW SHAKSPERE SOCIETY'S PRIZE. This Prize, the annual gift of the New Shakspeare Society open to graduates and under-

graduates, will be awarded for a critical knowledge of the following plays of Shakspeare :—

Hamlet ; Macbeth ; Othello ; King Lear.

10. "CHARLES G. COSTER MEMORIAL PRIZE." This Prize, intended as a tribute to the memory of the late Rev. Charles G. Coster, M.A., Ph. D., Principal of the Grammar School, St. John. N.B. is offered by Colin H. Livingstone, Esq., B.A., to the Undergraduates, (men or women) from the Maritime Provinces, Nova Scotia, New Brunswick and Prince Edward Island. In April, 1889, it has not been restricted to any Academic year, but in April, 1890, it will be awarded to that undergraduate of the First Year, from the above Provinces, who in the opinion of the Faculty has passed the most satisfactory Sessional Examinations.

11. The names of those who have taken Honours, Certificates or Prizes will be published in order of merit ; with mention, in the case of Students of the First and Second Years, of the schools in which their preliminary education has been received.

#### § VII. LICENSED BOARDING HOUSES.

*Regulations for Students in Arts passed by the Corporation, April, 1875.*

1. All Students under 21 years of age, not residing with parents or guardians, nor belonging to a Theological College, shall reside in licensed boarding-houses, unless they produce written authority from parents or guardians to reside elsewhere.

2. Persons applying for a license to keep boarding-houses shall produce evidence satisfactory to the Principal as to their character and fitness, and the suitability of the house for the health and comfort of the Students. They shall also supply him with a statement of charges.

3. The keeper of the boarding-house shall report immediately to the Principal the entrance or departure of any Student, and any instance of immorality or disorderly conduct.

#### § VIII. ATTENDANCE AND CONDUCT.

All Students shall be subject to the following regulations for attendance and conduct :—

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1. A Class-book shall be kept by each Professor or Lecturer, in which the presence or absence of Students shall be carefully noted; and the said Class-book shall be submitted to the Faculty at all their ordinary meetings during the Session.

2. Each Professor shall call the roll immediately at the beginning of a lecture. Credit for attendance on any lecture may be refused on the grounds of lateness, inattention or neglect of study, or disorderly conduct in the class-room. In the case last mentioned the student may, at the discretion of the Professor, be required to leave the class-room. Persistence in any of the above offences against discipline, after admonition by the Professor, shall be reported to the Dean of Faculty. The Dean may, at his discretion, reprimand the student, or refer the matter to the Faculty at its next meeting, and may in the interval suspend from Classes.

3. Absence from any number of lectures can only be excused by necessity or duty, of which proof must be given, when called for, to the Faculty. The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session, shall in each case be determined by the Faculty.

4. While in the College, or going to or from it, students are expected to conduct themselves in the same orderly manner as in the Class-rooms. Any Professor observing improper conduct in the College buildings or grounds may admonish the student, and, if necessary, report him to the Dean.

5. Every student is required to attend regularly the religious services of the denomination to which he belongs, and to maintain, without as well as within the walls of the College, a good moral character.

6. When students are brought before the Faculty under the above rules, the Faculty may reprimand, report to parents or guardians, impose fines, disqualify from competing for prizes or honours, suspend from Classes, or report to the Corporation for expulsion.

7. Any student who does not report his residence on or before November 1st in each year is liable to a fine of one dollar.

8. Any student injuring the furniture or buildings will be required to repair the same at his own expense, and will, in addition, be subject to such other penalty as the Faculty may see fit to inflict.

9. All cases of discipline involving the interest of more than one Faculty, or of the University in general, shall be immediately reported to the Principal, or, in his absence, to the Vice-Principal.

[NOTE.—All students are required to appear in Academic dress while in or about the College building. Students are requested to take notice that petitions to the Faculty on any subject cannot, in general, be taken into consideration, except at the regular meetings, appointed in the Calendar.]

### § IX. LIBRARY.

*Extract from the Regulations.*

1. The books in the Library are classed in two divisions:—1st, Those which

may be lent ; and 2nd, those which may not, under any circumstances, be removed from the Library. The classification shall be determined by the Librarian.

2. Students in the Faculty of Arts or of Applied Science, who have paid the Library fee, may borrow books on depositing the sum of \$5 with the Bursar, which deposit, after the deduction of any fines due, will be repaid at the end of the Session on the certificate of the Librarian or his assistant that the books have been returned uninjured.

3. Students may borrow not more than three volumes at one time, except on the recommendation in writing of a Professor for specified books, and must return them within two weeks, on penalty of a fine of 5 cents a volume for each day of detention. An additional deposit of \$4 entitles a student to borrow two extra volumes.

4. A student incurring fines beyond the sum-total of \$1 shall be debarred the use of the Library until they have been paid.

5. Any volume, or volumes, lost or damaged by any person, shall be replaced or paid for at such rates as the Library Committee may direct ; and such rate of payment shall be determined by the value of the book itself, or of the set to which the volume belongs.

6. Graduates in any of the Faculties, on making a deposit of \$5, are entitled to the use of the Library, subject to the same rules and conditions as students ; but they are not required to pay the annual Library fee.

7. Graduates residing beyond the City limits, and applying for the loan of books from the Library, shall not receive such books without the sanction of the Honorary Librarian, and depositing the value of the books with the Bursar of the College.

8. Members of the McGill College Book Club, on presenting annually a certificate of their membership, are by a special regulation of Corporation entitled to the use of the Library on the same conditions as Graduates, but they are not required to make a deposit.

9. Students in the Faculties of Law and Medicine, who have paid the Library fee to the Bursar, may read in the Library, and, on depositing the sum of \$5 with the Bursar, may borrow books on the same conditions as students in Arts. They are required to present their Matriculation Tickets to the Bursar and to the Librarian or his assistant.

10. Persons not connected with the College may consult Books in the Library on obtaining an order from any of the Governors, or from the Principal, or the Dean of the Faculty of Arts or of Applied Science, or from any of the Professors in the said Faculties. Donors of books or money to the amount of Fifty dollars may at any time consult books on application to the Librarian.

11. The Library is kept open from 9 a.m. to 4 p.m. daily, and no person shall be allowed in the Library except during these hours.

12. No person, other than the Librarian and the assistants, is allowed to enter the alcoves, or to take down books from the shelves, except members of

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Corporation, and Professors, or those whom any of the above may accompany personally.

13. A person desiring to read or to borrow a book, which he has ascertained from the Catalogue to be in the Library, will fill up one of the blank forms provided for Readers and Borrowers respectively, and hand it to the Library Assistant who will thereupon procure him the book.

14. Readers must return the books they have obtained to the Library Assistant before leaving the Library.

15. No conversation is permitted in the Library.

§ X. PETER REDPATH MUSEUM.

1. The Museum will be open every lawful day from 9 a.m. till 5 p.m., except when closed for any special reason by order of the Principal or Committee.

2. Students will obtain tickets of admission from the Principal on application.

3. Students will enter by the front door only, except when going to lectures.

4. Any Student wilfully defacing or injuring specimens, or removing the same, will be excluded from access to the Museum for the Session.

§ XI. FEES.

All fees and fines are payable to the Bursar of the College.

<i>Matriculation Fee</i> for the First Year (to be paid in the Year of Entrance only).....	\$4.00
<i>For the Second Year</i> (exigible from Students who enter in the Second Year, and also from those who have failed in the First Year and re-enter in the Second Year on Examination).....	6.00
<i>Sessional Fee</i> .....	20.00
<i>Library Fee</i> .....	4.00
<i>Gymnasium Fee</i> .....	2.50
<i>Undergraduates</i> are required to pay all the above fees.	
<i>Fee for a certificate of standing</i> , if granted to a Student on application.....	1.00
<i>Fee for a certificate of standing</i> , if accompanied by a statement of classification in the several subjects of examination.....	2.00
<i>Examination fee</i> for Students of Affiliated Theological College who present themselves for the entrance examination without intending to become undergraduates .....	10.00

*Partial Students*, viz., those taking three or more Courses of Lectures, are required to pay the Matriculation, Library and Gymnasium Fees, and \$5 for each Course which they attend, or \$20 for all the courses.

*Occasional students* taking one course of Lectures only are required to pay \$5 per Session for that course.

*Occasional students* taking two courses of Lectures are required to pay the Library Fee and \$5 for each course.

N.B.—The lectures in one subject in any one of the four College Years constitute a "Course."

The Matriculation, Library and Gymnasium Fees are exigible from Students holding exemptions from Sessional Fees.

*Graduates in Arts* are allowed to attend, without payment of fees, all lectures except those noted as requiring a special fee.

The fees must be paid to the Secretary, and the tickets shown to the Dean within a fortnight after the commencement of attendance in each session. In case of default, the Student's name will be removed from the College books, and can be replaced thereon only by permission of the Faculty and on payment of a fine of \$2.

[All fines are applied to the purchase of books for the Library.]

<i>Fee for the Degree of B.A.</i> .....	\$ 5 00
“ “ “ <i>M.A.</i> .....	10 00*
“ “ “ <i>LL.D.</i> .....	50 00*

If the Degree of M.A. be granted, with permission to the Candidate, on special grounds, to be absent from Convocation, the fee is .....\$25.00.

The B.A. fee must be paid before the Examination.

The M.A. or LL.D. fee must be sent with the Thesis to the Secretary of the University. This is a condition essential to the reception of the application. The Secretary will then forward the Thesis to the Dean of the Faculty.

\* A Bachelor of Arts or Master of Arts, intending to proceed to a higher Degree, is required, *in addition* to the above, to keep his name on the books of the University, by the annual payment of a fee of \$2 to the Registrar of the University (which payment suffices also for Registration under Chap. III. of the Statutes of the University). He may, if he prefer it, compound for the above annual fees, by the payment of \$6 in one sum for the Master's Degree, or \$30 for the Doctor's Degree, on or before the of date of application for the Degree.

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## § XII. COURSES OF LECTURES.

### I. ORDINARY COURSE.

#### I. CLASSICAL LITERATURE AND HISTORY.

(MAJOR H. MILLS PROFESSORSHIP OF CLASSICS.)

Professor, REV. G. CORNISH, M. A., LL. D.

Asst. Prof., A. J. EATON, M. A., PH. D.

##### GREEK.

*First Year.*—Homer.—Odyssey, Books XXI.-XXIV. (Selections).

*Second Year.*—Euripides.—Medea.

*Third Year.*—Lysias.—Contra Eratosthenem. Æschylus.—Prometheus Vincetus.

*Fourth Year.*—Æschines.—Contra Ctesiphontem.

##### LATIN.

*First Year.*—Cicero.—Select Letters. Virgil.—Book IX. Latin Prose Composition.

*Second Year.*—Horace.—Epistles, Book II. Tacitus.—Germania, Chaps. I.-XXVII.

Latin Prose Composition.

*Third Year.*—Juvenal.—Satires VIII. and XIII. Livy.—Book XXI. Latin Prose Composition.

*Fourth Year.*—Tacitus.—Annals, Book II. Latin Prose Composition.

In the work of the Class the attention of the Student is directed to the collateral subjects of History, Antiquities and Geography; also to the grammatical structure and affinities of the Greek and Latin Languages; and to Prosody and Accentuation.

An examination in Greek and Roman History will be required at the close of the First Year.

The Latin pronunciation adopted in the lectures is based on the scheme issued by the Cambridge Philological Society (London: Trubner & Co).

In Greek, the system of pronunciation, outlined in the preface of Goodwin's Greek Grammar, is recommended to the attention of Students.

*Text-Books.*—First Year.—Goodwin's Greek Grammar, Arnold's Latin Prose by Bradley, Cox's General History of Greece, Merivale's General History of Rome, Bender's Roman Literature.

#### 2. ENGLISH LANGUAGE AND LITERATURE.

(MOLSON PROFESSORSHIP.)

Professor, CHAS. E. MOYSE, B. A.

Lecturer, PAUL T. LAFLEUR, M. A.

*First Year.*—English Language and Literature. Three lectures a week. Until Christmas the work of the class will partly consist of exercises in Analysis. Two lectures a week will be given to the study of English classics. Milton's Comus and a portion of Bacon's Essays have been selected for the

Session of 1889-90. After Christmas there will be a course of about thirty lectures on English Literature previous to the Elizabethan Period. Students are recommended to use Prof. Henry Morley's Charts of English Literature, and to read the first chapter of Henry Morley's English writers (Cassell, 1887).\*

*Second Year.*—A period of English Literature, and one play of Shakespeare. One Lecture a week before Christmas; two Lectures a week after Christmas. During the Session of 1889-90, the leading poets of the Nineteenth Century will form the subject of the Lectures. Shakespeare—A Midsummer Night's Dream. (Clarendon Press Edition.)

*Third Year.*—A. Chaucer's Prologue to Canterbury Tales. Lecture once a week. Text-book, Chaucer's Prologue, &c., ed. Morris. B. Rhetoric, Lecture once a week, Text-book, Bain's Rhetoric.

*Fourth Year.*—History. The Lectures (once a week) will be a sketch of general European History from the fall of the Roman Empire of the West to the discovery of the New World. The use of Prof. Nicol's Tables of European History is recommended.

### 3. MENTAL AND MORAL PHILOSOPHY.

(JOHN FROTHINGHAM PROFESSORSHIP OF MENTAL AND MORAL PHILOSOPHY.)

Professor, REV. J. CLARK MURRAY, LL.D.

Lecturer, PAUL T. LAFLEUR, M. A.

*Second Year.*—First Term.—Elementary Psychology. (Text-book;—Murray's Handbook of Psychology, Book I.) Second Term.—Logic. (Text-book:—Jevons' Elementary Lessons in Logic.)\*

*Third Year.*—First Term:—The Logic of Induction, as in Mill's System of Logic, Book III. Second Term:—The Psychology of Cognition, as in Murray's Handbook of Psychology, Book II., Part I.

*Fourth Year.*—First Term.—The Psychological Basis of Ethics. Second Term.—Ethics Proper, comprising the elementary principles of Jurisprudence and Political Science. In the Third and Fourth Year students are also required to write occasional Essays on Philosophical subjects. For Additional Courses, see Honour Course.

### 4. FRENCH LANGUAGE AND LITERATURE.

Professor, P. J. DAREY, M. A., B. C. L., LL. D., Officier d'Académie.

*First Year.*—Darey, Principes de Grammaire française. LaFontaine, choix de fables. Molière, l'Avare. Dictation. Colloquial exercises.

*Second Year.*—Ponsard, l'Honneur et l'Argent.—Racine, Phèdre. Contanseau, Précis de littérature française, depuis son origine jusqu'à la fin du XVIIIe siècle. Translation into French;—Dr. Johnson, Rasselas. Dictation. Parsing. Colloquial exercises.

\* The prizes are awarded on the work of the whole Session

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*Third Year.*—Corneille, *Nicomède*. Cogery ;—Third French course. Translation into French ;—Morley, *Ideal Commonwealths*. Dictation. Contanseau, *Précis de littérature française, depuis le XVIIIe siècle jusqu'à nos jours*.

*Fourth Year.*—Cogery.—Third French course. Bonnefon, *Les Ecrivains modernes de la France*. Translation into French ;—Morley, *Ideal Commonwealths*. French Composition. Dictation. Corneille, *Nicomède*.

For additional Courses see Honour Lectures.

*The Lectures in the Third and Fourth Years are given in French.*

## 5. GERMAN LANGUAGE AND LITERATURE.

Lecturer :—P. TOEWS, M. A.

*First Year.*—Vandersmissen's & Fraser's, *German Grammar*. Adler's *Progressive German Reader* (selections from Sections 1 and 2). Translations, oral and written. Dictation. Colloquial exercises.

*Second Year.*—Vandersmissen's and Fraser's *German Grammar*. Adler's *Progressive German Reader* (selection from Sections 3-5). Townson, *Easy German Stories*. Parsing. Dictation. Colloquial exercises. Translations, oral and written.

*Third Year.*—Vandersmissen's and Fraser's *German Grammar*. Lessing, *Minna von Barnhelm*, Schiller, *Siege of Antwerp*. History of German Literature from the earliest periods to the close of the 18th century (a brief survey by the Lecturer). German Composition. Dictation.

*Fourth Year.*—German Grammar, and Composition. Fouqué, *Undine*; Schiller, *Wallenstein*. Outlines of German Literature. Gostwick and Harrison (Chapters 15-24).

For additional courses see Honour Lectures.

## 6. HEBREW AND ORIENTAL LITERATURE.

Professor, REV. D. COUSSIRAT, B.A., B.D., Officier d'Académie.

*Elementary Course.*—Reading and Grammar with oral and written exercises in Orthography and Etymology.—Translation and Grammatical Analysis of Genesis.—Text-books, Harper's *Elements of Hebrew*; and *Introductory Hebrew Method and Manual*.

*Intermediate Course.*—Grammar.—Dr. Harper's "*Elements and Method*."—Translation from Genesis, Exodus, Deuteronomy.—Exercises.—Hebrew into English, and English into Hebrew.—Syntax.—Reading of the Masoretic notes.

*Advanced Course.*—Gesenius' *Grammar*, and Harper's *Elements of Syntax*.—Exercises continued.—Translation. Reading of the Masoretic notes. *First Part* :—Isaiah; Psalms. *Second Part* ; Job; Ecclesiastes; Jeremiah.

The course comprises Lectures on the above Language and their Literature in particular, with a general notice of the other Oriental Languages, their genius and peculiarities. Comparative Philology, affinity of Roots, &c., also receive due

attention, while the portions selected for translation, will be illustrated and explained by reference to Oriental manners, customs, history, &c.

For Additional Courses see Honour Lectures.

## 7. MATHEMATICS AND NATURAL PHILOSOPHY.

(PETER REDPATH PROFESSORSHIP OF NATURAL PHILOSOPHY).

Professor, ALEXANDER JOHNSON, M.A., LL.D.

In the ordinary work of the First Year assistance will be given by G. H. Chandler, M. A., Professor of Practical Mathematics in the Faculty of Applied Science.

*First Year.*—MATHEMATICS.—Arithmetic.—Euclid, Books, 1, 2, 3, 4, 6, with definitions of Book 5 (omitting propositions 27, 28, 29 of Book 6); Todhunter's Edition—or Hall and Stevens'; the latter is recommended to candidates for Honours especially. Colenso's Algebra (Part I.) to end of Quadratic Equations.—Galbraith and Haughton's Plane Trigonometry to beginning of solution of Plane Triangles.

*Second Year.*—MATHEMATICS.—Arithmetic, Euclid, Algebra, and Trigonometry as before.—Nature and use of Logarithms.—Remainder of Galbraith and Haughton's Plane Trigonometry.

The course for the Intermediate University Examination consists of the Mathematics for the First two years.

*Third Year.*—MATHEMATICAL PHYSICS.—Galbraith and Haughton's Mechanics, viz. *Statics*, First 3 chapters, omitting sec. 5, chapter I., and sect. 21, chapter, II; *Dynamics*, subjects of the First 5 chapters. Galbraith and Haughton's Hydrostatics.

*Additional Department.*—Optics (Galbraith and Haughton). Descriptive Astronomy (Lockyer's Elementary Astronomy, English edition; First three chapters, viz., The Stars and Nebulae; The Sun; The Solar System). Students are recommended to use with this an "Easy Guide to the Constellations," by Gall.

*Fourth Year.*—ASTRONOMY.—(Optional) Galbraith and Haughton's Astronomy.—The lectures on this subjects will be given before Christmas.

*Third and Fourth Years.*—EXPERIMENTAL PHYSICS.—*Light.*—Theories.—Reflection.—Refraction.—Dispersion.—Interference and Diffraction.—Double Refraction.—Polarization. 2—*Heat.*—Dilatation of Solids, Liquids and Gases.—Specific and Latent Heat.—Radiation and Conduction.—Mechanical Theory of Heat. 3.—*Electricity*—Statical and Dynamical;—including Electro-Magnetism—Magneto-Electricity—Thermo-Electricity.—Diamagnetism—Electric Measurements—Practical Application to Telegraphy, &c. 4.—*Magnetism.* 5.—*Sound.*—Theory of Undulations—Production and Propagation of Sound—Vibration of Strings, Rods and Plates—Vibrations of Fluids.—Musical Sounds. Text-book;—Ganot's Treatise, translated by Atkinson. This course extends over two years.

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The subjects for the Session 1889-90 are Light and Heat.

The lectures in Mathematical and Experimental Physics will be illustrated by Apparatus, of which the College has a very good collection, including Dynamo and Gas Engine.

## 8. GEOLOGY AND NATURAL HISTORY.

(LOGAN PROFESSORSHIP OF GEOLOGY.)

Professor, Sir J. Wm. DAWSON, C.M.G., LL.D., F.R.S., F.G.S.

B. J. HARRINGTON, B.A., Ph. D., F.G.S., Professor of Mineralogy.

*Third Year.*—Zoology and Palæontology. Elements of Animal Physiology. Classification of Animals. Characters of the Classes and orders of Animals with recent and Fossil Examples, taken as far as possible from Canadian Species. Demonstrations in the Museum. *Text-book.*—Dawson's Handbook of Zoology, with books of reference.

A prize of \$20 will be given for a collection of specimens of recent or fossil animals, accurately named. The Prize Collections or duplicates of them to remain in the Museum if required. Candidates must be Students of Zoology of the previous session, and the prize will not be awarded except for a collection of sufficient merit, and belonging to some one class of recent animals or the fossils of one geological system or one definite locality.

(*Fourth Year.*) MINERALOGY AND GEOLOGY.—1. *Mineralogy and Lithology.* An elementary course, in which attention is given more particularly to such minerals and rocks as are important in Geology or useful in the Arts. 2. *Stratigraphy, Chronological Geology and Palæontology.* Data for determining the relative ages of Formations. Classification according to age. Fauna and Flora of the successive periods. Geology of British America. The lectures will be fully illustrated with specimens, and will be accompanied with demonstrations in the Museum and excursions for field work. *Text-books.*—Dana's Manuals of Mineralogy and Geology; Dawson's Lecture Notes on Geology.

Students in Natural History are entitled to tickets of admission to the Museum of the Natural History Society of Montreal.

For Additional Departments see Honour Course, II., infra.

## 9. BOTANY.

Professor:—D. P. PENHALLOW, B.Sc.

*Second Year.*—General Morphology and Classification. Descriptive Botany. Flora of Canada. Nutrition and reproduction of plants. Elements of Histology.

*Text-books.*—Gray and Bessey.

A book prize will be given by the Professor for the best collection of plant and the greatest proficiency in their determination. The collections will be returned after examination. Candidates must be Students of Botany of the previous Session.

*Third Year.*—ADDITIONAL COURSE. *Vegetable Histology.*—Two lectures with practical work, each week. Microscopical manipulations; Micro-Chemical reactions; general histology of Phanerogams. Microscopical Drawing.

*Fourth Year.*—ADDITIONAL COURSE. *Vegetable Histology.*—Two lectures with practical work, each week. A continuation of the Course in the third year, embracing a study of the structure and life history of Cryptogams. Special studies in embryology. No student will be admitted to the Course in the Fourth Year, without having followed that for the Third Year.

*Text-books.*—Bower and Vines' Practical Botany, Goebel's Outlines of Classification and special Morphology.

*Fee for Additional Course:* \$10 per session for use of instruments and reagents.

A prize will be awarded to the student showing the greatest proficiency in the work of the two years.

## 10. CHEMISTRY.

(DAVID J. GREENSHIELDS PROFESSORSHIP OF CHEMISTRY AND MINERALOGY).

Professor:—B. J. HARRINGTON, B.A., PH. D.

*First Year.*—A course of Lectures preparatory to the course in Natural Science. The Lectures are illustrated by experiments, and treat of the Elementary Constitution of matter, the laws of Chemical Combination by weight and volume, the Atomic Theory, Quantivalence, Chemical Formulae and Equations, Chemical Attraction, characteristics of Acids, Bases and Salts, Compound Radicals, the preparation and properties of the non-metallic and metallic Elements and many of their compounds, &c. A few Lectures are also devoted to the consideration of some of the more important Organic Substances, including Starch, Sugars, the Vegetable Acids and Alkaloids, Alcohol, &c. During the course attention is called, as far as possible, to the relations of Chemistry to various manufacturing industries.

Students in Arts may attend the course in Practical Chemistry with the First Year in Applied Science on payment of a fee of five dollars.

*Text-Book*—To be announced at the beginning of the Session.

*Third Year.*—ADDITIONAL DEPARTMENT. (*Theoretical or Organic Chemistry*).—One Lecture a week. (*Practical Chemistry*).—Qualitative Analysis, as in Thorpe and Muir's Qualitative Chemical Analysis, two afternoons a week.

*Fourth Year.*—ADDITIONAL DEPARTMENT. A course of Practical Chemistry, in continuation of that of the Third Year.

NOTE.—New chemical laboratories, capable of accommodating about fifty students, have recently been erected, and afford excellent facilities for practical work.

## 11. METEOROLOGY.

Superintendent of Observatory, C. H. MCLEOD, MA. E.

Instructions in Meteorological Observations will be given in the Observatory at hours to suit the convenience of the senior students.

Certificates will be granted to those students who pass a satisfactory examination on the construction and use of Meteorological Instruments and on the general facts of Meteorology.

## 12. ELOCUTION.

Mr. JOHN ANDREW, Instructor.

Voice culture, including exercises for developing the thorax. Rush's Philosophy of the voice. Grouping of speech. Narrative reading and the reading of poetry. Biblical readings. Dramatic reading and declamation. Mr. Andrew will make arrangements for hours to suit students.

## 13. GYMNASTICS.

JAMES NAISMITH, B.A., Instructor.

The classes will meet at the University gymnasium, at hours to be announced at the commencement of the Session. The Wicksteed gold, silver and bronze medals (the gift of Dr. R. J. Wicksteed) are offered for competition to students of the graduating class, and to students who have had instruction in the gymnasium for two sessions, the gold medal to the former, the silver and bronze medals to the latter. (See Regulations appended).

## II. HONOUR COURSES.

## I. CLASSICS.

*Third Year.*—The Authors to be read in Class, and privately by the Candidate, together with the History and other subjects, are selected at the commencement of the Session, and are divided into *Part I.*, and *Part II.*, at the Honour Examination.

*Fourth Year.*—*Part I.*—(1) *Greek Authors*:—Æschylus, Prometheus Vincetus; Sophocles, Antigone; Euripides, Medea; Herodotus, Bk. IX.; Xenophon, Hellenics, Bks. I. and II.; Æschines, Contra Ctesiphontem. (2) *Latin Authors*:—Horace, Epistles, Bk. I.; Juvenal, Satires VIII. and XIII.; Persius, Satires, V. and VI.; Livy Bk. XXI.; Tacitus, Annals, Bk. II.; Cicero, De Officiis. (3) *Greek and Latin Prose Composition*:—As in Arnold's Greek Prose and Smith's Principia Latina, Part V. *Part II.*—(1.) *Greek*:—Plato Republic, Books I. and II. Aristotle, The Poetics. Herodotus, Book VIII. Thucydides, Books VI. and VII. Hesiod, Works and Days. Æschylus, Seven

against Thebes. Aristophanes, The Frogs. Pindar, Olympic Odes. Theocritus, Idylls I. to VI. Demosthenes, De Corona. (2.) *Latin*.—Livy, Books XXII. and XXIII. Tacitus, Annals, Book I. Tacitus, Histories, Book I. Virgil, *Aeneid*, Books I. to IV. Plautus, *Aulularia*. Terence, *Adelphi*. Juvenal, Sat. X. Cicero, De Imperio Cn. Pompeii. 3. *History of Greece and Rome*:—*Text-Books*.—1. Grote's History of Greece. 2. Arnold's History of Rome. 3. Mommsen's History of Rome. 4. Mahaffy's History of Greek Literature. 5. Cruttwell's History of Roman Literature. 6. Cruttwell and Banton's Specimens of Roman Literature. 7. Donaldson's Theatre of the Greeks.

(4.) *Composition*.—1. Composition in Greek and Latin Prose. 2. General Paper on Grammar, History and Antiquities.

## 2. MENTAL AND MORAL PHILOSOPHY.

### THIRD YEAR.

*Part I.*—Schwegler's History of Philosophy, Chapters 1-21 inclusive; Mill's System of Logic, Books IV. and V.; Murray's Handbook of Psychology, Book II., Parts 2 and 3; Thomson's Outlines of the Laws of Thought. Any two of these subjects, along with the Honour Lectures, may be taken as the Additional Course.

*Part II.*—Cicero's De Finibus, Books III and IV.; Fraser's Selections from Berkeley.

### FOURTH YEAR.

*Part I.*—Schwegler's History of Philosophy, Chapters 22-45 inclusive; Lorimer's Institutes of Law; Murray's Outline of Hamilton's Philosophy; Spencer's First Principles; Mill's System of Logic, Book V. Any two of these subjects, along with the Honour Lectures, may be taken as the Additional Course.

*Part II.*—Aristotle's Nicomachean Ethics; Zeller's Stoics, Epicureans and Sceptics; Spinoza's Ethics; Watson's Selections from Kant; Maine's Ancient Law.

N.B.—The class essays of candidates for Honours are expected to display superior ability in the discussion of philosophical subjects.

## 3. ENGLISH LANGUAGE, LITERATURE AND HISTORY.

### THIRD YEAR.

*Part I.*—Early English; Morris and Skeat, Part II., Extt. I-IX. inclusive. Spencer.—Faerie Queene, Bk. I.; Milton—Comus; Burke—Reflections on the French Revolution; Hallam—Middle Ages, chaps. 1, 3, 5. (The above mentioned portion of the Honour work constitutes the Additional Course of the Third Year).



Sweet's Anglo-Saxon Reader; Extt. IV., VIII. and XXI.; Dryden—Annus Mirabilis; Absolom and Achitophel, Part I.; the Preface to the "Fables." Macaulay—Essays on Clive, Ranke's History of the Popes, and Warren Hastings.

*Part. II*—Sweet's Anglo-Saxon Reader; the pieces in verse; Chaucer—Assembly of Foules (ed. Lounsbury); Sidney—An Apologie for Poetry (ed. Arber, to be obtained by post from the editor, 1 Montague Road, Edgbaston, Birmingham, price 6d.); Milton—Shorter English Poems; Areopagitica (ed. Hales); Addison—Essays on Paradise Lost and on the Imagination (Spectator); Wordsworth—Prelude (Moxon's edition); Leslie Stephen—English Thought in the Eighteenth Century, vol. II., chap. X., sections V.-X. inclusive; Macaulay, vol. I., chap. I.; History of the English People—(Reign of Eliz. and Chas. ID.

## FOURTH YEAR.

*Part. I*—Sweet's Anglo-Saxon Reader, Extt. II., XIII., XX.; Pope—Essay on Criticism, Essay on Man; Shelley—Adonais; Tennyson—In Memoriam; Buckle—History of Civ. in England, 4 chap<sup>s</sup>. (The above-mentioned portion of the Honour work constitutes the Additional Course of the Fourth Year). Early English; Morris and Skeat, Part II., Extt. X.-XX. inclusive; Shakespere—Love's Labour's Lost.—A Midsummer Night's Dream, Hamlet; Matthew Arnold—Essays in Criticism (the second).

*Part. II*—Portions of Beowulf (ed. Harrison and Sharp); Sweet's Second Anglo-Saxon Reader; Vespasian Hymns; Sir Thomas More—Utopia (ed. Arber); Villiers—Rehearsal (ed. Arber); Campbell—Pleasures of Hope; Tennyson—Coming of Arthur, Gareth, and Lynette, Holy Grail, Passing of Arthur; Gibbon—Decline and Fall, chaps. L., LI., LXIV., LXV. Guizot—History of Civilization in Europe; Macaulay—Vol. I., chap. 3; Freeman—Growth of the English Constitution.

## 4. MATHEMATICS AND PHYSICS.

*First Year*.—MATHEMATICS. Hall and Stevens's Euclid, Casey's Sequel to Euclid Hall and Knight's advanced Algebra—Todhunter's or Burnside and Ponton's Theory of Equations (selected course).

The Honour lectures in the First Year begin after Christmas. Before admission to them, candidates will be examined on the Theorems and Examples throughout Hall and Stevens' Euclid for which proofs are given; and will have their ability to solve some of the easier problems and exercises tested.

*Second Year*.—MATHEMATICS.—Hind's Plane and Spherical Trigonometry or Lock's Higher Trigonometry and McClelland and Preston's Spherical Trigonometry, Part I.—Salmon's Conic Sections, chapters 1, 2, 3, 5, 6, 7, and 10 to 13, inclusive—Williamson's Differential and Integral Calculus (selected course).

*Third Year.*—**MATHEMATICAL PHYSICS.** Part I.—1. Minchin's Statics, vol. I., selected chapters. 2. Williamson and Tarleton's Dynamics, chaps. 1 to 8, inclusive. Part II.—Remainder of Minchin's Statics. Vol. I., Besant's Hydro-mechanics Part I, chaps. 1, 2, 3, 7; Godfray's Astronomy; Parkinson's Optics.

B.A. HONOUR COURSE.

*Part I.*—**MATHEMATICAL PHYSICS.**—Honour Course of the Third Year (the whole). **PURE MATHEMATICS.**—Williamson's Differential and Integral Calculus; Salmon's Geometry of Three Dimensions (selected course).

*Part II.*—**PURE MATHEMATICS.**—Boole's Differential Equations (selected course). **MECHANICS.**—Minchin's Statics, vol. II. except chapters 14 and 18.—Williamson's and Tarleton's Dynamics (the whole, including the Dynamics both of Rigid Bodies and of a Particle).—Routh's Dynamics of a Rigid Body (for reference).—Besant's Hydro-mechanics.

**PHYSICAL ASTRONOMY.**—Godfray's Lunar Theory, or Cheyne's Planetary Theory; Newton's Principia, Lib. I., Sects. 1, 2, 3, 9, and 11.

**LIGHT.**—Lloyd's Wave Theory of light.

**ELECTRICITY AND MAGNETISM.**—Ordinary Course, with Cumming's Theory of Electricity and Maxwell's Elementary Electricity.

HEAT }  
ACOUSTICS } As in ordinary course

Engineering students may be candidates for Honours.

COURSE FOR ANNE MOLSON MATHEMATICAL PRIZE.

1. The Mathematical Physics of the Honour Course of the Third Year; 2. Salmon Geometry of Three Dimensions (selected course). 3. Williamson's Differential and Integral Calculus (selected course).

The value of the prize is about \$64. It is open for competition to students entering on the Fourth Year.

5. NATURAL HISTORY AND GEOLOGY.

THIRD YEAR.

*Part I.* (1) *Mineralogy.*—Crystallography. Physical properties of minerals dependent upon light, electricity, state of aggregation, etc. Chemical composition. Principles of classification. Description of species important as constituents of Rocks.

*Part II.* (2) *Blowpipe Analysis and Determinative Mineralogy.* (3) *Lithology.*—Classes of Rocks, Texture and Composition. Description of the more commonly occurring Rocks. (4) Directions for collection and study in the vacation.

B.A. HONOUR COURSE.

*Part I.* (1) *Mineralogy and Lithology.*—Description of mineral species, particular attention being called to the Economic Minerals of Canada. Calculations of mineralogical Formulæ, Quantivalent Ratios, etc. (2) *Practical*

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*Geology*.—Including methods of observing and recording geological facts and searching for mineral deposits. Palæontology, including studies of special groups of fossils. One lecture or demonstration weekly. Dana's Manual. (Geikie's Field Geology, Nicholson's Palæontology, special Reports and Memoirs).

*Part II. (3) Lithology*.—Essential and accessory constituents of Rocks. Microscopic and macroscopic characters. Preparation of Rock-sections. Microscopic examination of Minerals and Rocks. Principles of classification. Description and determination of Rocks. (One lecture, weekly, with occasional demonstrations in the Museum or Laboratory.) (4) *Canadian Geology*.—Studies of the several Geological formations of Canada with their distribution, subdivisions and characteristic fossils. One lecture weekly, with excursions and Museum demonstrations. Reports of Geological Survey, Dawson's Acadian Geology.

Candidates for Honours will be expected to attain to such proficiency as to be able to undertake original investigations in some at least of the subjects of study.

Students in the Faculty of Applied Science may be Candidates for Honour.

#### ADDITIONAL DEPARTMENT.

*Third Year*.—Mineralogy as in Part I. above.

*Fourth Year*.—The Practical Geology, as in Part I. above, with Museum studies in Palæontology.

### 6. MODERN LANGUAGES.

(French and German, both of which must be taken)

#### THIRD YEAR.

*Part I.*—FRENCH.—LA FONTAINE, Les Fables. RACINE, Les Plaideurs. PAUL ALBERT, Littérature du XVIIIe siècle. Translation into French:—GOLD-SMITH, the Vicar of Wakefield. CORNEILLE, Horace.

GERMAN.—Freytag, Aus dem Staat, Friedrichs des Grossen; Schiller, Wilhelm Tell. German Prose Composition, Buckheim.

(Either of the above may be taken as the Additional Course in the language to which it belongs. See § III.)

The Ordinary Courses in French and German must also be taken. See § III.

*Part II.*—FRENCH.—Racine:—Phèdre; Les Plaideurs. Boileau:—L'Art Poétique. Pascal:—Les Pensées. La Bruyère:—Les Caractères. Ampère:—Formation de la Langue française.

GERMAN.—Wieland.—Oberon. History of German Literature; Gostwick and Harrison, Chaps. I.-V., IX, XIII.

#### FOURTH YEAR.

*Part I.*—FRENCH. AUG. BRACHET, Grammaire Historique. PAUL ALBERT, La Littérature française, des origines à la fin du XVIe siècle. EMILE SOUVETRE, Un philosophe sous les toits. Translation into French:—As You Like it

GERMAN.—Lessing, Nathan der Weise. Schiller, Geschichte des dreisigjährigen Krieges. German Prose Composition, Buckheim.  
(Either of the above may be taken as the Additional Course in the language to which it belongs).

The Ordinary Courses in French and German must also be taken.

*Part II.*—FRENCH. Molière;—Le Misanthrope. Victor Hugo:—Hernani. La Rochefoucauld:—Les Maximes. Dr. C. Sancerotte:—L'Esprit de Montaigne. Auguste Brachet;—Grammaire Historique. Etudes des anciens textes français (Demogeot).

GERMAN.—A special study of Goethe's 'Faust' (Part I). Selections from Heine's Lyrical Poems. Behagel—Die Deutsche Sprache. Gostwick and Harrison, Chaps. XXV. XXX.

For First and Second Rank Honours the successful candidates must be capable of speaking and writing both languages.

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## 7. SEMITIC LANGUAGES.

### THIRD YEAR.

*Part I.*—Hebrew.—Genesis (the whole Book). Isaiah, Chaps. 40-66. Chaldee.—Daniel. Syriac.—The Peshito: St. John, Chaps. 1-5. Literature.—Driver's "Uses of the Tenses in Hebrew."

*Part II.*—Hebrew.—Ecclesiastes (the whole Book). Psalms, Books 1 and 2 (1-72). Chaldee.—Targum of Onkelos, Genesis, Chaps. 1-10. Syriac.—The Peshito Romans, Chaps. 1-5. Literature.—Davidson's "The Hebrew Text of the Old Testament."

### FOURTH YEAR.

*Part I.*—Hebrew.—Proverbs, chaps. 20-31. Job, chaps. 27-42. Chaldee.—Ezra; Syriac.—The Peshito: St. John, chaps. 6-15. Literature.—Muller's "Outlines of Hebrew Syntax."

*Part II.*—Hebrew.—Deuteronomy (the whole Book). Malachi (id). Chaldee.—Selections from the Targums of Jonathan Ben Uzziel, etc. Syriac.—Bar Hebraeus: Selections from his Chronicles. Literature.—Renan's "A general History of the Semitic Languages."

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*Additional Department:—(For Third and Fourth Years.) The Chaldee Language:—Brown's Aramaic Method and Translation. The Chaldee portions of Scripture, Targums of Onkelos and Jonathan Ben Uzziel. The Syriac Language:—Grammar, Translation from the Peshito.*

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## LECTURES IN THE UNDERGRADUATE COURSE IN THE FACULTY OF ARTS.

SESSION OF 1889-90

HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
FIRST YEAR 9 10 11 12	Classics. Mathematics. English. Elementary Chemistry.	† Mathematics. (b) * French. * German. * Hebrew.	Mathematics. Classics. * French. English.	† Mathematics. (b) * French. * German. * Hebrew.	Mathematics. Classics. English. Elementary Chemistry.
SECOND YEAR 9 10 11 12	* French. Classics. Mathematics. † Mathematics. Botany.	Logic. * German. Hebrew. * German. (c)	* French. Logic. † Mathematics. Botany. English.	* Hebrew. Logic. Classics. * German (c)	* French. * German. † Mathematics. Classics.
THIRD YEAR 9 10 11 12 1	English Literature. German. † Math. Physics. † Mental Philosophy.	Classics. French. † Ment. Phil. Zoology. ‡ Physics (Experimental). * Hebrew.	† Classics. † Math. Phy. † Anglo-Saxon. Physics (Mathematical). Mental Philosophy. Classics.	Classics. French. Theoretical. Chemistry. Zoology. ‡ Physics (Experimental). * Hebrew.	† Classics. † English. † Geol. † Mathematical Physics. * Syriac, etc. Rhetoric. Physics (Mathematical). German.
FOURTH YEAR 9 10 11 12 1	† Math. Physics. † English. Geology. Classics. † Geology. Moral Phil.	Astronomy. (a) French. † Ment. Phil. German. Moral Philosophy. Chaldee ‡ Physics (Experimental).	† Classics. Geology. English Literature. Classics. † Geology. † Math. Phy.	Astronomy. (a) † Mental Philosophy. German. History. Moral Philosophy. Chaldee ‡ Physics (Experimental). * Hebrew.	† Classics. Geology. French. † Geology. Anglo-Saxon and Early English. German. † Math. Physics.

(a) During First Term. (b) Second Term. (c) For beginners entering 2nd Year. † For Candidates for Honours.  
\* The Student may take at his option French or German in the first two years, or, if a Theological Student, Hebrew. ‡ From Nov. 1st.  
Library open every day, 9 to 4. The Museum will be opened as arranged by the Professor of Natural History.  
Determinative Mineralogy, Wednesday, at 2 p.m. Practical Chemistry, Monday and Thursday, at 2 p.m.

# Special Course for Women.

IN THE FACULTY OF ARTS.

DONALDA ENDOWMENT.

Professors and Lecturers (as on page 17). Lady Superintendent, Miss HELEN GAIRDNER.

The classes for women under this endowment are wholly separate, except those for Candidates for Honours (including most of the additional courses in the Third and Fourth Years). The examinations are identical with those for men. Women will have the same privileges with reference to Classing, Honours, Prizes and Medals as men.

Regulations for Examinations, Exemptions, Boarding Houses, Attendance, Conduct, Library and Museum are the same as for men. Undergraduates only wear the Academic Dress.

The *Jane Redpath Exhibition* is open for competition, at entrance into the First Year, to both men and women.

The income of the *Hannah Willard Lyman Memorial Fund* will be given in prizes.

## I. MATRICULATION AND ADMISSION.

*Classics.—Latin.*—Cæsar, Bell. Gall, Book I and Virgil, Æneid, Book I, lines I—300; Latin Grammar.

*Greek.*—Xenophon, Anabasis, Book I. Greek Grammar.

Candidates who cannot pass in Greek may substitute an additional modern language subject to the same regulations throughout the course of four years.

*Mathematics.*—Arithmetic; Algebra to Simple Equations (inclusive); Euclid, Elements, Books I., II., III.

*English.*—Writing from Dictation. A paper on English Grammar, including *Analysis.*—A paper on the leading events of English History. Essay on a subject to be given at the time of the Examinations.

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*French*.—Grammar up to the beginning of Syntax. An easy translation from French into English. Candidates unable to take French are not excluded but will be required to study German after entrance.

An equivalent amount of other books or other authors in Latin and Greek than those named may be accepted by the Examiners on application made through the Professor of Classics.

**PARTIAL STUDENTS**.—Candidates unable to pass in all the above subjects may be admitted as Partial Students, in the separate classes; if prepared to enter in three of the subjects of the ordinary course of study, they may in the First Year make good their standing as Undergraduates at the Christmas or Sessional Examinations.

**OCCASIONAL STUDENTS**.—Ladies desirous of taking one or two Courses of Lectures in the separate classes for women, as Occasional Students, will report their names and the classes they desire to attend to the Lady Superintendent, and may then procure tickets from the Secretary of the University.

## II. ORDINARY COURSE OF STUDY FOR THE DEGREE OF B.A.

*In separate classes.*

*First Year*.—Classics; French or German; English Grammar and Literature; Pure Mathematics; Elementary Chemistry.

*Second Year*.—Classics; French or German; English Literature; Elementary Psychology and Logic; Pure Mathematics; Botany.

*Third Year*.—Latin or Greek; Mathematical Physics (Mechanics and Hydrostatics); with any three subjects out of the two following divisions at the option of the student, provided two be selected from one division, and one from the other:—

*I. Literature, etc.*—(a) Greek or Latin, according as Latin or Greek has been previously chosen. (b) French or German (whichever has been taken in the first two years). (c) English and Rhetoric. (d) Mental Philosophy. *II. Science.*—(e) Optics and Descriptive Astronomy. (f)† Experimental Physics, First Course. (g) Natural Science (Zoology).

*Fourth Year*.—Latin or Greek, same Language as in Third Year; Mathematical Physics (as in Third Year), or Astronomy and Optics; Moral Philosophy; with any three subjects out of the two following divisions at the option of the student, provided two be selected out of the one division, and one out of the other:—

*I. Literature, etc.*—(a) Greek or Latin, according as Latin or Greek has been taken above. (b) French or German, same language as in 3rd Year. (c) History.

*II. Science.*—(d) † Astronomy and Optics, if not chosen as above. (e) † Experimental Physics (Second Course). (f) Natural Science (Geology.)

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† Undergraduates claiming exemption (see § V.) cannot take Astronomy and Optics or Experimental Physics if they have not taken the Third Year Mathematical Physics.

Instead of two distinct subjects in one of the above divisions, the Student in either Third or Fourth Year, may select one subject only, together with an additional course in the same or any other of these subjects under the above rules (if arrangements be made by the Faculty for it), provided she has been placed in the first class in the corresponding subject at the preceding Sessional Examination (viz., Intermediate or Third Year, according to standing).

The additional course is intended to be more than an equivalent, in the amount of work involved, for any of the other subjects in the division.

Additional courses are provided at present in Botany and Practical Chemistry.

*Gymnastics.*—A class will be conducted by Miss Barnjum, which will be optional and open to Occasional Students,

*Elocution.*—Should students offer, a class for Reading and Elocution will be opened by Mr. Andrews.

HONOUR COURSE AND ADDITIONAL COURSE.

(In Mixed Classes.)

Undergraduates desirous to take one of the Honour Courses in Classics, Mathematical Physics, Mental and Moral Philosophy, English Language and Literature, History, Geology and other Natural Sciences, Modern Languages, or such portions of the Honour Courses as constitute the "Additional Courses," may in the Third and Fourth Years obtain exemptions to the same extent as those given to men, but must take the same lectures with men.

Details will be found in Section XII. of the Calendar.

III. DEGREES.

Students are admissible to the degrees of B.A., M.A., and LL.D. conferred in the usual way, on the usual conditions; and will be entitled to all the privileges of these degrees, except that of being elected as fellows.

IV. FEES.

<i>Matriculation Fee</i> for the First Year, to be paid in the Year of Entrance only.....	\$4 00
<i>Sessional Fee</i> .....	20 00
<i>Library Fee</i> (optional).....	4 00

*Partial Students*, viz., those taking three or more Courses of Lectures, are required to pay the Matriculation Fee, and \$5 for each Course which they attend, or \$20 for all the Courses.

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The above Fees are to be paid to the Registrar of the University, from whom Tickets for the Library and copies of the Library Rules may be obtained.

*Occasional Students.*—\$5 for each class.

For Gymnastics \$2.50 for the session (optional.)

(Associates in Arts, who, at their special Examination, have passed in Latin, Algebra and Geometry, are not required to present themselves for the Matriculation Examination).

Exemptions from fees may be allowed to the highest pupil of the Girls' High School of Montreal, and of other Schools, on the same terms as to men.

One exemption from tuition fees is annually allowed to the pupil (boy or girl) of the Montreal High School holding an exemption from the Schools of the Protestant commissioners, Montreal, who has taken the highest marks at the A. A. Examinations, and is recommended by the Commissioners.

For time of payment and other rules regarding Fees, see § XI, *ante*.

#### V. LODGINGS, &c.

Women not resident in Montreal, proposing to attend the classes, and desiring to have information as to suitable lodgings, are requested to intimate their wishes in this respect to the Registrar of the University, at least two weeks before the opening of the session.

Students desiring information as to the above or other matters are referred to the Lady Superintendent, who will be found in her office in the rooms of the Donalda Department, every day during the session, except Saturday.

#### LECTURES OPEN TO OCCASIONAL STUDENTS, SESSION 1889-90.

CHEMISTRY :—*Dr. Harrington.* Tuesday and Thursday at 12.

BOTANY :—*Prof. Penhallow.* Monday at 3, Wednesday at 12.

ZOOLOGY :—*Sir Wm. Dawson.* Tuesday and Thursday, at 12 noon.

GEOLOGY :—*Sir Wm. Dawson and Dr. Harrington.* Tuesday and Thursday, at 2 p. m. Wednesday, at 10 a. m.

EXPERIMENTAL PHYSICS :—*Dr. Johnson.* Tuesday and Thursday, at 3 p. m.

PSYCHOLOGY AND LOGIC :—*Rev. Dr. Murray and Mr. Lafleur.* Tuesday and Friday, at 4 p. m., and Thursday at 12.

MENTAL PHILOSOPHY :—*Rev. Dr. Murray and Mr. Lafleur.* Monday and Wednesday, at 4 p. m.

MORAL PHILOSOPHY :—*Rev. Dr. Murray.* Tuesday and Wednesday at 12, and Friday at 11 a. m.

RHETORIC :—*Mr. Lafleur.* Wednesday, at 11 a. m.

ENGLISH:—*Prof. Moyses and Mr. Lafleur.* Language and Literature, Tuesday, Wednesday and Friday, at 4 p. m. Literature of Elizabethan and Stuart periods and Shakespeare, Wednesday and Friday, at 3 p. m. (only one lecture a week before Christmas). Chaucer—Monday at 10 a. m.

HISTORY:—*Prof. Moyses.* Thursday, at 9 a. m.

LATIN AND GREEK \*:—*Rev. Dr. Cornish and Dr. Eaton.*

FRENCH \*:—*Dr. Darey.*

GERMAN \*:—*Mr. Toews.*

MATHEMATICS AND MATHEMATICAL PHYSICS \*:—*Dr. Johnson and Prof. Chandler.*

Those Courses, in which two lectures weekly are delivered, will each amount to about 40 lectures, and the others in proportion.

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\*The Lectures on these subjects extend over all the Years of the Course, and the hours will depend on the standing of Students with respect to previous preparation, as ascertained by examination.

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## FACULTY OF ARTS.

\*ORDINARY LECTURES IN THE DONALDA SPECIAL COURSE FOR WOMEN.

YEARS	HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
FIRST YEAR.	12		Chemistry.		Chemistry.	
	2	Mathematics.	French.	Mathematics.	French.	Mathematics.
	3	Latin.	German.	Latin.	Latin.	German.
	4	Greek.	English.	English.	Greek.	English.
SECOND YEAR.	10	Mathematics.				
	11	Greek.		Latin.		
	12		Latin	Botany.	Logic.	
	2				German.	
	3	Botany.	French.	English.	French.	English.
	4	German.	Logic.	Greek.		Logic.
THIRD YEAR.	10	English.			Classics.	French.
	11	French.	Rhetoric.		German.	
	12	Classics.	Zoology.	Math. Physics.	Zoology.	Math. Physics
	3	German.	Exp. Physics	English.	Exp. Physics.	
	4	Metaphysics.		Metaphysics.		
FOURTH YEAR.	9				History.	
	10	French.	Astronomy.	Geology.	Astronomy.	French.
	11	German.	Classics.		Classics.	Moral. Phil.
	12		Moral Phil.	Moral Phil.		
	2		Geology.		Geology.	German.
	3		Exp. Physics.		Exp. Physics.	

The hours for Practical Chemistry and Additional Botany will be arranged at the beginning of the Session.

\* For Honour Lectures see previous table.

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## Faculty of Applied Science.

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### THE PRINCIPAL (*ex-officio*).

Professors :—HARRINGTON, Associate Professors :—DAWSON,  
BOVEY, JOHNSON  
McLEOD, DAREY,  
CHANDLER. MOYSE,  
PENHALLOW.

Associate Lecturers :— LAFLEUR, TOEWS.

Dean of the Faculty :—HENRY T. BOVEY, M.A., M.INST. C.E.

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Assistants : —TAYLOR, ATKINSON, HERSEY.

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The Instruction in this Faculty is designed to afford a complete preliminary training, of a technical as well as theoretical nature, to such Students as are preparing to enter any of the various branches of the professions of Engineering and Surveying, or are destined to be engaged in Assaying, Practical Chemistry, and the higher forms of Manufacturing Art.

Four distinct Departments of study are established, viz. :

(1).—Civil Engineering and Surveying. (2).—Mechanical Engineering. (3).—Mining Engineering. (4).—Practical Chemistry.

Each of these extends over four, or, under certain conditions, three years, and is specially adapted to the prospective pursuits of the Student.

The Degrees conferred by the University upon such undergraduates of this Faculty, as shall fulfil the conditions and pass the Examinations hereinafter stated, will be in the first instance "Bachelor of Applied Science," mention being made in the Diploma of the particular Department of study pursued; and, subsequently, the degrees of "Master of Engineering" or of "Master of Applied Science." (§ V.)

*Examinations for Land Surveyors* :—Any graduate in the

Faculty of Applied Science, in the Department of Civil Engineering and Land Surveying, may have his term of apprenticeship shortened to one year for the profession of Land Surveyor in Quebec or Ontario, or for the profession of Dominion Land Surveyor. He must, however, pass the preliminary and final examinations before one of the Boards of Examiners. The former examination should be passed before entering the University, or in the First or Second Year of attendance.

Students in the Civil Engineering Department, who at the beginning of their Fourth Year give notice to the Faculty of their intention to prepare for the examination for Dominion Topographical Surveyors, will receive preparation for that examination, more especially in Spherical and Practical Astromomy and Geodesy, and may be exempted from the Heat and Hydraulics, or from the Designing of the Fourth Year.

Partial Students may be admitted to the lectures and examinations in the above special work.

### §I. MATRICULATION AND ADMISSION.

1. Candidates for Matriculation must present themselves for examination on the 17th of September, 1889. They may, however, be admitted at a later period of the Session upon special application, if qualified to take their places in the classes in progress.

JUNIOR MATRICULATION. For entrance into the First Year two examinations are held ;

(1) In the first week in June, when Schools may send their pupils for examination to McGill College.

N.B. Schools at a distance may send to the Secretary of the University names of Deputy Examiners, together with a list of candidates on or before May 15th, and, if approved, the examination papers will be forwarded to them.

(2) At the opening of the session, on September 17th and following days, in McGill College alone.

The subjects of examination are :—

*Mathematics.*—Arithmetic ; Algebra, to end of Simple Equations  
Euclid's Elements, Books I., II., III.

*English.*—Dictation, Grammar [including Analysis] and Composition.

*French.*—Grammar to Syntax (exclusive) and easy translation.

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Candidates unable to take the French examination are allowed to enter, but must take German as the Modern language of their undergraduate course.

Candidates who have passed the Associate in Arts examinations in the above subjects will be received as Matriculated Students in the First Year.

SENIOR MATRICULATION. For entrance into the Second Year only one examination is held, viz., on September 17th and following days, in McGill College. The subjects of examination are:—

*Arithmetic.*

*Algebra.*—To the end of Quadratics [as in Colenso's Algebra, Part I].

*Euclid.*—Books, I., II., III., IV., VI. and XI., and the definitions of Book V.

*Plane Trigonometry.*—Including solution of Triangles, and the use of Mathematical Tables.

*Chemistry.*—As in Nichol's Abridgment of Eliot and Storer's Manual

*English.*—Dictation, Grammar (including Analysis), Composition, and the leading facts of the History of England.

*French or German.*—Grammar and easy translation.

Candidates unable to pass in Chemistry may be allowed by the Faculty to enter and take the First Year lectures on Chemistry.

Candidates who produce certificates of having already completed a portion of a course in some recognized School of Applied Science may be admitted to an equivalent standing.

#### §1. MEDALS, EXHIBITIONS AND PRIZES.

1. THE BRITISH ASSOCIATION GOLD MEDAL AND EXHIBITION, founded by the British Association for the Advancement of Science in commemoration of the meeting held in Montreal in the year 1884.

The British Association Gold Medal for Session 1889-90 will be open for competition to Fourth Year Students of the Practical Chemistry Course. Candidates must take a first-class general standing in the Ordinary Course, and the medal will be awarded to the Student who stands first in the Advanced Course. (§IV. B.)

2. THE STANLEY SILVER MEDAL (the gift of His Excellency The Right Honourable Lord Stanley.)

The Stanley Medal for Session 1889-90 will be open for competition to Fourth Year Students of the Civil Engineering Course.

Candidates must take a first-class general standing in their Ordinary Course, and the Medal will be awarded to the Student who stands first in the Advanced Course. (§IV B.)

The following Exhibitions and Prizes will be open for competition in September, 1889 :—

3. A British Association Exhibition of \$50.00 to Students entering the Fourth Year, the subjects of examination being the Theory of Structures, Mathematics and Mathematical Physics of the Ordinary Course.

4. A SCOTT EXHIBITION of \$66.00, founded by the Caledonian Society of Montreal, in commemoration of the Centenary of Sir Walter Scott, to Students entering the Third Year, the subjects of Examination being :—

[a] Macaulay's History of England, Vol. I., cap. I; Sir Walter Scott's Lady of the Lake. [b] Mathematics. [c] Mechanism.

5. A British Association Exhibition of \$50 will be open for competition to Students entering the Second Year, the subjects of Examination being :—

(a) Macaulay's History of England, Vol. I., cap. I.; Shakespeare's Tempest; (b) Mathematics.

6. TWO PRIZES IN BOOKS, each of the value of \$25, one presented by E. B. Greenshields, B. A., and one from the British Association Medal Fund, for the two best Summer Reports or Essays.

7. Two Prizes, one of \$15 and one of \$10, from the British Association Medal Fund, to Students entering the Third Year, for proficiency in levelling (running a line of levels and closing on the starting point).

8. A Prize of \$25.00 for the best mechanical model, preference being given to one of original design, presented by W. E. Gower, M. Can. Soc. C. E.

9. A Prize of \$25.00, presented by J. H. Burland, B. A. Sc., to Students entering the Second Year, the subjects of examination being :—(a).—Inorganic Chemistry; (b).—Elements of Organic Chemistry; (c).—Practical Chemistry.

10. Prizes or certificates of merit are given to such Students as take the highest places in the Sessional and Degree Examinations.

### § III. SPECIAL PROVISIONS.

1. Partial Students may be admitted to the professional classes upon payment of special fees (§ VII.)

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2. Undergraduates in Arts may, if allowed by the Faculty of Arts, be admitted to the Professional Classes in Practical Science on payment of the fees for these classes.

3. Students in Applied Science may, by permission of the Faculty, take the Honour Classes in the Faculty of Arts.

4. Students who have passed the Intermediate in Arts, with standing not lower than Second Class in Mathematics, have the privilege of entering the Second Year in Applied Science, and will be exempted from one of the Departments in the Third and Fourth Years in Arts.

5. Undergraduates in Arts of the Second and Third Years, or Graduates of any University, entering the Faculty of Applied Science, may, at the discretion of the Professors, be exempted from such lectures in that Faculty as they may have previously attended as Students in Arts, but must pass all the examinations.

6. Students who have failed in a subject in the Christmas or Sessional Examinations, and who desire to regain their standing, are required to make a written application to the Dean of the Faculty for a supplemental examination. Unless such supplemental examination is passed, students will not be allowed to proceed to any subsequent examination in that subject.

7. Students of the Second, Third and Fourth Years will be required to answer satisfactorily a weekly paper on such subjects of the course as shall be determined by the Faculty.

8. Students who fail to obtain their Session, and who, in consequence, repeat the Year, will not be exempted from examination in any of those subjects in which they may have previously passed except by the express permission of the Faculty. Application for such exemption must be made at the commencement of the Session.

9. A Student may obtain a certificate of standing on payment of a fee of \$2.00.

10. The headquarters of the Canadian Society of Civil Engineers is at present located in Montreal. The Society holds fortnightly meetings, at which papers upon practical current engineering subjects are read and discussed. Undergraduates joining the Society as Students may take part in these meetings and acquire knowledge of the utmost importance in relation to the practical part of the profession.

## § IV. COURSES OF STUDY FOR SESSION 1889-90.

## A. ORDINARY COURSES.

CIVIL ENGINEERING.	MECHANICAL ENGINEERING.	MINING ENGINEERING.	PRACTICAL CHEMISTRY.
FIRST YEAR.			
Arithmetic, Euclid. Algebra. Trigonome- try. Geometrical Conics. Solid Geometry. Descriptive Geometry (By permission of the Faculty.) Freehand Drawing. Chemistry. English. French or German.	Arithmetic, Euclid. Algebra. Trigonome- try. Geometrical Conics. Solid Geometry. Descriptive Geometry. (By permission of the Faculty.) Freehand Drawing. Chemistry. English. French or German.	Arithmetic, Euclid. Algebra. Trigonome- try. Geometrical Conics. Solid Geometry. Descriptive Geometry. (By permission of the Faculty.) Freehand Drawing. Chemistry. English. French or German.	Arithmetic, Euclid. Algebra. Trigonome- try. Geometrical Conics. Solid Geometry. Descriptive Geometry. (By permission of the Faculty.) Freehand Drawing. Chemistry. English. French or German.
SECOND YEAR.			
Mechanism. Materials. Surveying. Descriptive Geometry. Algebra. Analytical Geometry. Calculus. Mathematical Physics. Experimental Physics.  Zoology. English. French or German.	Mechanism. Materials. Surveying. Descriptive Geometry. Algebra. Analytical Geometry. Calculus. Mathematical Physics. Experimental Physics. Loco. Design & Cons. Mechanical Work. English. French or German.	Practical Chemistry. Mechanism. Surveying. Descriptive Geometry. Algebra. Analytical Geometry. Calculus. Mathematical Physics. Experimental Physics.  Zoology. English. French or German.	Practical Chemistry.  Descriptive Geometry.  Mathematical Physics. Experimental Physics.  Botany. English. French or German.
THIRD YEAR.			
Theory of Structures. Materials. Surveying.  Descriptive Geometry. Analytical Geometry. Calculus. Sphl. Trigonometry. Practical Astronomy. Mathematical Physics. Experimental Physics. Geology & Mineralogy. Modern Languages.†	Theory of Structures. Materials. Machinery & Millwork Loco. Design & Cons. Descriptive Geometry. Analytical Geometry. Calculus.  Mathematical Physics. Experimental Physics. Mechanical Work. Modern Languages.†	Theory of Structures. Materials. Mining.  Practical Chemistry. Blowpipe Analysis. Descriptive Geometry. Analytical Geometry. Calculus. Mathematical Physics. Experimental Physics. Geology & Mineralogy Modern Languages.†	Practical Chemistry. Theoretical Chemistry.  Blowpipe Analysis. Mineralogy.  Mathematical Physics. Experimental Physics. Zoology. Modern Languages.†
FOURTH YEAR.			
Theory of Structures. Mathematics.  Heat & Heat-Engines. Hydraulics. Materials. Designs. Estimates. Spec'ns. Modern Languages.*	Theory of Structures. Mathematics. Machinery & Millwork Metallurgy of Iron. Loco. Design & Cons. Heat & Heat-Engines. Hydraulics. Materials. Designs. Estimates. Spec'ns. Modern Languages.*	Assaying. Mathematics. Metallurgy. Geology (advanced). Mineralogy advanced. Heat & Heat-Engines. Hydraulics. Materials. Designs. Estimates. Spec'ns. Modern Languages.*	Practical Chemistry. Theoretical Chemistry. Metallurgy. Assaying. Mineralogy. Geology.  Modern Languages.*

(1) During the summer recess the Students in the 2nd, 3rd and 4th years are to employ themselves in some practical work (Mechanical Engineering students in a work-shop), and they are also to prepare a report on such work, to be handed in not later than October 1st. Credit will be given for this Report (or Essay) in the subsequent Sessional Examinations.

(2) Students are not allowed to take subjects which do not form part of their course, without the sanction of the Faculty.

† English or French or German. \* Modern languages not imperative in the Fourth Year

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## B. ADVANCED COURSES.

1. CIVIL ENGINEERING.—The higher Mathematics and Mathematical Physics, and the higher branches of Applied Mechanics (*Strength of Materials, Theory of Structures, Heat and Heat Engines, Hydraulics*).

2. MECHANICAL ENGINEERING.—The higher Mathematics and Mathematical Physics, and the higher branches of Applied Mechanics. (*Strength of Materials, Dynamics of Machines, Heat and Heat Engines*).

3. MINING ENGINEERING.—Study of Ore-Deposits (as in Phillips). Metallurgy. Theory and practice of Metal-Mining and Ore-dressing. Special work in mineral analysis, with an Essay thereon.

4. CHEMISTRY.—Organic Chemistry, Industrial Chemistry, Mineralogy and special laboratory work with an Essay.

N.B.—A Student will not be allowed to take rank in an Advanced Course unless he has obtained a first class general standing in the Ordinary Course of the same Department.

The Advanced Courses in the Departments of Civil and Mechanical Engineering extend over two years. Students who have passed a creditable examination in the Mathematics of the Second Year, may take these Courses, and will be exempted from the Modern Languages of the Third Year.

## § V. EXAMINATIONS.

## I. FOR THE DEGREE OF BACHELOR OF APPLIED SCIENCE.

## 1. CHRISTMAS AND SESSIONAL EXAMINATIONS.

There will be a Christmas Examination for Students of the First Year in all the subjects, and for Students of the Second, Third and Fourth Years in Mathematics, and in those subjects which they take in the Faculty of Arts. A Sessional Examination in all the subjects will be held at the end of the First and Second Years.

## 2. DEGREE EXAMINATIONS.

(a) There will be a Primary Examination at the end of the Third Year in all the subjects of that year. Candidates must pass this Examination before entering the Final Year.

(b) There will be a Final Examination for the degree of Bachelor of Applied Science at the end of the Fourth Year in all the subjects of that year.

The General Classification for the Degree Examination will be under two heads, viz. :

First, those who have satisfied the Examiners in the Advanced Courses, in order of merit.

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Secondly, those who have satisfied the Examiners in the Ordinary Courses in order of merit.

Special Certificates may be given for proficiency in particular subjects.

Certificates may be given to Students who have passed the Special Courses added to the curriculum.

Students who take their Degree in one of the Courses provided by the Faculty of Applied Science may obtain credit in either of the remaining Courses, by attending one or more subsequent Sessions, the necessary provisions for which will be made.

#### II. FOR THE DEGREE OF MASTER OF ENGINEERING.

Candidates must be Bachelors of Applied Science of at least three years standing, and must produce satisfactory certificates of having been engaged during that time upon *bona fide* work in either the Civil, Mechanical, or Mining Branch of Engineering.

They must pass with credit an Examination extending over the general Theory and Practice of Engineering, in which papers will be set having special reference to that particular branch upon which they have been engaged during the three preceding years.

Candidates must present applications for Examination, together with the necessary certificates and fees. The Faculty will notify the candidates whether their certificates are satisfactory, and also of the date of the Examination.

#### III. FOR THE DEGREE OF MASTER OF APPLIED SCIENCE.

Candidates must be Bachelors of Applied Science of at least three years standing, must present certificates of having been employed during that time in some branch of scientific work, and must pass with credit an Examination on the Theory and Practice of those branches of scientific work in which they may have been engaged. The other conditions as under the last heading.

#### § VI. ATTENDANCE AND CONDUCT.

The regulations under this head are in all respects the same as those in force for Undergraduates in Arts.

#### § VII. LIBRARY AND MUSEUM.

Students in this Faculty have the same privileges with reference to the Library and Museum as Undergraduates in Arts.

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## § VIII. FEES.

*In the Course of Civil Engineering.*—\$45; Library, \$4. In all \$49 for each Session.

*In the Course of Mechanical Engineering.*—\$45; Library, \$4. In all \$49 for each Session.

*In the Course of Mining Engineering.*—1st Year \$45; 2nd, 3rd and 4th Years \$55; Library, \$4. In all \$49 to \$59 for each Session.

*In the Course of Chemistry.*—1st Year, \$45; 2nd, 3rd and 4th Years, \$55; Library, \$4. In all \$49 to \$59 for each Session.

*Matriculation Fee*, for the First and Second Years, \$5.

*Fee for Degree of Bachelor of Applied Science*, (including the Registration fee) —\$12.50.

*Fee for Degree of Master of Engineering or Master of Applied Science.*—\$25.

If for any Special reason the Degree of Ma.E. and M. A. Sc. be granted *in absentia* the fee will be \$40.

The fees must be paid to the Secretary, and the ticket shown to the Dean within a fortnight after the commencement of attendance in each Session. In case of default, the student's name will be removed from the College books, and can be replaced thereon only by permission of the Faculty on payment of a fine of \$1.

The B. A. Sc. fee must be paid before the final Examinations.

Laboratory Students are required to purchase their own chemicals, &c. The larger articles of apparatus will be supplied by the Laboratory, the Students being responsible for breakage.

Partial students may be admitted to the Professional Classes in any year, by payment of the ordinary fees for that year; or they may attend the lectures on any subject by payment of a fee of \$5 for each term,\* except in the case of Chemistry, for which a fee of \$10 for each term is required.

Graduates in the Faculty of Applied Science may take further courses on payment of half the ordinary tuition fees.

Students taking Blowpipe Analysis, when it does not form part of their course, are required to pay a fee of \$5.

Partial Students may attend the course of Instruction in Meteorology on paying a fee of \$5.

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\* The first term ends with the Christmas examinations, the second with the Sessional.

## § IX. COURSES OF LECTURES.

### I. CIVIL ENGINEERING AND APPLIED MECHANICS.

Professor :—HENRY T. BOVEY, M.A., M.INST.C.E.

#### *Civil Engineering.*

The course of instruction in Civil Engineering will include the following :—Mechanism, Earthwork, Masonry, Carpentry, Structures of Timber, Stone and Iron, the Construction of Common Roads, Rail Roads, Bridges, Viaducts, Tunnels, Canals, River, Harbour and Sea Works, Drainage Works, Lighthouses, Works connected with Irrigation and Water Supply, etc.

#### *Applied Mechanics.*

The subject of Applied Mechanics will be treated under two heads :—

(a) The Strength of Materials, embracing a study of Work, Inertia, Energy and Entropy, Strength, the Stiffness, and Resilience of Materials, Beams or Girders, Pillars, Shafts, Structures (*simple and complex*), Earthwork, Retaining Walls and Arches.

(b) Hydraulics, comprising the Theory of Hydrostatics and Hydrodynamics, the Flow of Liquids through Orifices, Pipes and Canals, the Action of a Stream on inclined or curved Vanes (*fixed or revolving*), Hydraulic Machines (*Pressure Engines, Vertical Water Wheels, Turbines, Centrifugal Pumps*), Pneumatics.

#### *Heat and Heat-Engines.*

The course of instruction in this Department will embrace :—The General Description of the Steam Engine, the Theory of Heat, the Application of Heat to Thermal Machines, the production of Heat and Steam, and also :—

(a) The movement and distribution of Steam, including the action of Steam in a Cylinder, the methods and regulations of the distribution of Steam, Systems of Cut-off, the general disposition of Cylinders, Condensers, &c.

(b) The modes of transmission and a consideration of certain special machines.

(c) The construction of an Engine, under which head will be considered Rivets, Bolts, Screws, Sockets, Keys, Cylinders, Pistons, Organs of Distribution, Organs of Transmission.

(d) The construction of Special Machines.

#### *Designs, Estimates, &c.*

Engineering Students will also prepare designs, specifications, and estimates of such works as are usually undertaken by the Engineer.

Each Student works independently, under the personal supervision of the Professor of Engineering, and makes such drawings and calculations as would be needed were the structure designed to be actually carried out.

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## II. MECHANICAL ENGINEERING.

Professors :— { HENRY T. BOVEY, M.A., M.I.M.E.  
 { C. H. MCLEOD, M.A. E., M.CAN.SOC.C.E.

*Mechanism.*

The lectures on Mechanism will treat of:—The object and structure of a machine, conversion and modification of motion, aggregation of motion, velocity ratios, linkwork, the teeth of wheels and trains of wheels, indicator diagrams and measurement of H. P., escapements, connections, various elementary combinations Shop visitation by the class.

*Theory of Machines.*

This Branch will comprise :—

(a) *The transmission of work*, including the measurement of work, the efficiency of machines, dynamical friction, viscosity, and the methods of transmitting work (*by continuous rotation, oscillation, belts, water, and compressed air*).

(b) *The modification of Work and Stores of Energy*, embracing a study of the actual energy of moving pieces, springs and weights.

(c) *Governing and controlling Machines*, including a consideration of uniform effort, variable resistance, machines driven by fluid pressure, differential governors.

(d) *Balancing Machinery.*

*Mechanical Work.*

A course of lectures will be given on the following specific Departments of Mechanical Engineering, and will treat entirely of the principles and results of actual practice :—The different classes of machinery, Belts, Gearing, Forging, Hammers, the Tempering of Steel, Tools, Vice-work, Fitting and Finishing, Lathes and Lathe-work, Planing, Slotting and Shaping Machines, Boring and Drilling, Milling and Milling tools, Screw-cutting, the Slide-valve, Standard Measures, Gauging Implements, Rivetted Joints, Fastenings, Pipes and Cylinders, Journals, Bearing, Shafting, Linkwork, Pistons and Stuffing Boxes, Lubricators, Moulding and Founding.

Students before obtaining their degree in this course must present certificates of having been employed for at least eight months in Mechanical work-shops.

## LOCOMOTIVE DESIGN AND CONSTRUCTION.

SECOND, THIRD AND FOURTH YEARS :—Session 1889-90.

Mr. R. Atkinson, M. CAN. SOC. C. E., of the Canadian Pacific Railway Mechanical Engineering staff, will give a course of lectures at the Canadian Pacific Works on the design and construction of Locomotives, comprising Boilers, Cylinders, Motion and Tenders, and on Machinery and Shop Appliances.

### III. MINING ENGINEERING.

Professor :—B. J. HARRINGTON, B.A., PH.D.

The object of this course is to give Students a knowledge of the characters and modes of occurrence of various economic minerals, together with the methods employed for their extraction and subsequent treatment.

The lectures on Mining are given during the Third Year, and among the subjects taken up the following may be mentioned :—Blasting and the nature and use of different Explosives, Quarrying, Hydraulic Mining, Boring ; the Sinking, Timbering and Tubbing of Shafts ; Driving and Timbering of Levels, Underground Conveyance and Hoisting, Drainage and Pumping, Lighting and Ventilation of Mines, special methods of Exploitation employed in the working of Metalliferous Deposits or of Coal Seams, &c. During this year, also, instruction is given in Blowpipe Analysis, the object of which is to enable Students by means of the blowpipe and a few simple re-agents to detect the nature of different Minerals or Ores. On account of the small quantity of apparatus required, and the rapidity with which accurate results may be arrived at, a knowledge of his subject will be found most useful to those engaged in geological or other field-work.

In the Fourth Year a short course of lectures on Metallurgy is given, and assays are made of various Ores, Fuels, &c.

NOTE.—The lectures on Mining and Metallurgy are illustrated by a series of Models.

### IV. DESCRIPTIVE GEOMETRY AND SURVEYING.

Professor :—C. H. McLEOD, MA.E.

#### *Descriptive Geometry.*

SECOND YEAR.—(1).—Linear Drawing. (2).—Orthographic projection, including penetrations, developments, sections, etc.

THIRD YEAR.—(1) Orthographic projection (continued). Tangent planes and normals. Curved surfaces. Graphical determination of spherical triangles. (2).—Spherical projections, including the construction of maps. (3).—Axometric projection. Isometric projection. (4).—Shades and shadows. (5).—Mathematical perspective. Perspective of shades and shadows.

#### *Surveying.*

This course is designed to qualify the Student for admission to the practice of Provincial and Dominion Land Surveying. It also affords a practical and theoretical training in field engineering.

SECOND YEAR.—Chain Surveying, Angular Surveying. The use and adjustment of the Transit, Theodolite, Level (Dumpy, Y. and other forms), Sextant, Aneroid Barometer, Plane-table and other field instruments. Contour Surveying. Underground Surveying. Plotting. Practical operations in the field and Classroom. Calculating areas.

THIRD YEAR.—Topography, Review of Instruments, Methods of Setting out Work and Curves. Geodesic Levelling, Indirect and Barometric Levelling, Hydro-

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graphic Surveying, Geodetic Surveying, The Astronomical Transit and Determination of time. Practical operations in the field, class-room and observatory.

NOTE.—The field work is carried out under the personal supervision of the Professor, and is as follows:—(a) a chain survey, (b) an angular survey, (c) a contour survey, (d) the location of a line of road, including preliminary surveys, ranging curves, levelling and setting out the work, (e) a hydrographic survey. Each student is required to make field notes, and from these to plot all plans and sections required in connection with the above.

At the close of the sessional examinations there is also an optional course for the 3rd year in astronomical observations and triangulations. The former includes latitude, longitude (by lunar culminations), azimuth and time.

#### FREEHAND AND MODEL DRAWING.

FIRST YEAR:—Session 1889-90.

Instruction in Freehand and Model Drawing will be given by Mr. A. T. Taylor, M.R.I.B.A.

Students in Arts may attend the classes in Freehand Drawing on payment of a fee of \$1 per term.

#### V. CHEMISTRY AND ASSAYING.

Professor:—B. J. HARRINGTON, B.A., PH.D. (Greenshields Professor of Chemistry and Mineralogy.)

Assistant:—MILTON L. HERSEY, B. A. SC.

A course of Lectures, illustrated by experiments, is given to all Students of the First Year in Applied Science on the Laws of Chemical Combination, Chemical Formulæ and Equations, the preparation and properties of the more important non-metallic and metallic Elements and many of their Compounds, and on the elementary principles of Organic Chemistry. Students taking these lectures must also devote one afternoon a week during the first term, and two afternoons a week during the second term, to practical work in the laboratory.

In the Second and Third Years of the Mining Course, instruction will be given in Qualitative and Quantitative Analysis, and Chemistry Students of these years will attend a Course of lectures on either Theoretical or Organic Chemistry. In the Fourth Year Mining Students will devote themselves chiefly to Mineral Analysis and Assaying, while Practical Chemistry Students may substitute Organic Analysis and the preparation of Organic Compounds for these subjects.

The laboratory is open daily (Saturdays excepted) from 9 a.m. to 1 p.m., and from 2 to 5 p.m.

#### VI. GEOLOGY.

Professor:—SIR J. W. DAWSON, LL.D., F.R.S. (Logan Professor of Geology)

Assistant Professor:—B. J. HARRINGTON, B.A., PH. D., F.G.S.

SECOND YEAR.—A preliminary Course in Zoology, with special reference to Fossil Animals.

THIRD YEAR.—Mineralogy (Ordinary and Honour), Lithology, Physical and Chronological Geology and Palæontology, Geology of Canada, Methods of Geological Exploration.

FOURTH YEAR.—Special Studies in Mineralogy and Lithology, Advanced Course in General Geology and Palæontology, Geology of Canada, Practical Geology and Field-work.

NOTE.—Students in the Mining and Chemistry Courses take the Honour Mineralogy of the Third Year. Mining Students alone take all the subjects of the Fourth Year; Chemistry Students only the Mineralogy and Lithology.

#### VII. BOTANY.

Professor :—D. P. PENHALLOW, B.Sc.

Course.—General Morphology and Classification. Descriptive Botany. Flora of Canada. Nutrition and reproduction of plants. Elements of Histology

#### VIII. MATHEMATICS AND MATHEMATICAL PHYSICS.

Professor :—G. H. CHANDLER, M.A.

The lectures in this course are specially designed to meet the requirements of Students of Applied Science; those in Mechanics being introductory to Applied Mechanics. The subjects are as follows :—

FIRST YEAR:—(1) Euclid, six books. (2) Loci, Transversals, &c. (3) Algebra, to Progression. (4) Plane Trigonometry and the use of Mathematical Tables. (5) Elements of Solid Geometry. (6) Geometrical Conic Sections.

SECOND YEAR—(1) Algebra continued. (2) Analytical Geometry. (3) Differential and Integral Calculus. (4) Mechanics.

THIRD YEAR.—(1) Mechanics continued. (2) Spherical Trigonometry. (3) Spherical and Practical Astronomy. (4) Revision and continuation of Analytical Geometry and Calculus, with applications to Mechanics, &c.

FOURTH YEAR.—Revision of Analytical Geometry and Calculus.

#### IX. EXPERIMENTAL PHYSICS.

Professor :—ALEXANDER JOHNSON, LL.D. (Peter Redpath Professor of Natural Philosophy.)

Students in this Faculty are required to take the course in Experimental Physics provided by the Faculty of Arts.

The subjects for the Session 1889-90 are Light and Heat.

#### X. ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR :—C. E. MOYSE, B.A. (Molson Professor of English Language and Literature.)

Lecturer.—PAUL T. LAFLEUR, M.A.

FIRST YEAR.—English Language and Literature.

SECOND YEAR.—A special course on English Composition.

THIRD YEAR.—A special course on English Composition.

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## XI. FRENCH OR GERMAN.

*French.*—Professor.— P. J. DAREY, M.A., B.C.L.

*German.*—Lecturer.— P. TOEWS, M.A.

Students of this Faculty are required to take the course in one of these languages provided by the Faculty of Arts.

## XII. METEOROLOGY.

Instruction in Meteorological Observations will be given in the Observatory at hours to suit the convenience of Senior Students.

Certificates will be granted to those Students who pass a satisfactory examination on the construction and use of Meteorological Instruments, and on the general facts of Meteorology.

## § X. TEXT BOOKS.

*Applied Mechanics* :—Bovey, Cotterill, \*Rankine, \*Collignon, \*Weisbach, Reuleaux.

*Hydraulics* :—Merriman, \*Weisbach.

*Machinery, etc.* :—Goodeve (new edition), \*Willis, Rankine, Kennedy \*Knight, Rose, \*Shelley, \*Fairbairn, Unwin.

*Heat and Heat Engines* :—Holmes, \*Jamieson, \*Maxwell, Tait, Wilson, Rankine, Rigg, Marks.

*Moulding and Founding* :—Overman.

*Materials* :—Notes on Building Construction, \*Gilmore, Thurston.

*Descriptive Geometry* :—Millar's Descriptive Geometry.

*Surveying* :—Gillespie's Land Surveying (new edition). \*Johnson's Surveying.

*Geology* :—Dana's Geology; Dawson's Handbook of Zoology and Lecture Notes on Geology, \*Nicholson's Palæontology, \*Geological Survey Reports, \*Dawson's Acadian Geology.

*Mineralogy* :—Dana's Manual, \*Dana's Descriptive Mineralogy.

*Blowpipe Analysis* :—Brush's Determinative Mineralogy and Blowpipe.

*Botany* :—Gray and Bessey.

*Chemistry* :—Remsen's Compounds of Carbon, Thorpe & Muir's Qualitative Chemical Analysis, Fresenius' Manuals of Qualitative and Quantitative Analysis, \*Watt's Dictionary of Chemistry, \*Roscoe & Schorlemmer's Treatise on Chemistry \*Miller's Elements of Chemistry.

N.B.—The Text Book on Chemistry for the First Year will be announced at the commencement of Session 1889-90.

*Metallurgy* :—Greenwood's Manual of Metallurgy.

*Assaying* :—Rickett's Notes on Assaying, Chapman's Assay Notes.

*Mathematics* :—Todhunter's Euclid, Colenso's Algebra (Part I), Hamblin Smith's Trigonometry, Wilson's Solid Geometry and Conic Sections, Briggs's Analytic Geometry, Peck's Calculus, Goodeve's Principles of Mechanics, Chambers' Practical Mathematics, Chambers' Mathematical Tables.

\* *Books of Reference.*

TABLE OF LECTURES.

YEARS	HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
FIRST YEAR.	9			Mathematics.	Mathematics.	Mathematics.
	10	Mathematics.	Mathematics.			
	11	English.	French.	French.	French.	English.
	12	Chemistry.	German.	English.	German.	Chemistry.
	2		Pract. Chem. (2nd. Term).	* Freehand Drawing.		Pract. Chem.
	3		Do	Do		Do.
SECOND YEAR.	9	French.		French.		French.
	10	Mechanism.	German.	Mechanism.	{ Theor. Chem. Mathematics.	German.
	11	Mathematics.	Zoology.	Mathematics. Botany. †	Zoology.	Mathematics.
	12	Botany. †	Exp. Physics.		Exp. Physics.	English.
	2	Pract. Chem Drawing.	Surveying.	Pract. Chem. ‡ Drawing.	Drawing. Pract. Chem.	Surveying.
	3	Drawing.	Drawing.	‡ Drawing.	Do	Drawing.
	4	Mech. Work Drawing.	Do	Do	Do	Metallurgy.
THIRD YEAR.	9	Mathematics.	Mathematics.	Machinery. Geology	Theory of Structures.	Mineralogy Mineralogy.
	10	Geology.	French. German. (2)	Mathematics.	French. German. (2) Theor. Chem.	Geology.
	11	Machines.	English.	German. (3)	Theory of Structures. (Advanced).	German. (3)
	12	Theory of Structures.	Exp. Physics.	German.	Exp. Physics.	
	2	Surveying. Pract Chem.	Theory of Structures. Pract. Chem.	{ Blowpipe. Analysis.	Pract. Chem. Surveying.	Pract. Chem. Drawing.
	3	Drawing.	Drawing.		Drawing.	Drawing.
	4	Mech. Work. Drawing.	Drawing. Mining.		Drawing.	Metallurgy.

\* The Freehand Drawing Class is also held from 9 to 11 on Saturdays.

† For Practical Chemistry Students.

‡ For Mining Students.

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TABLE OF LECTURES—(Continued.)

YEARS	HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
FOURTH YEAR.	9	Mathematics.	Designing. Mathematics	Designing.	Theory of Structures.	Designing.
	10	Theory of Structures.	Designing.	Do	Machines.	Designing.
	11	Machines. Geology.*	Do		Theory of Structures.	Geology.*
	12	Theory of Structures.	Do	Geology. *	Theory of Structures. (Advanced)	
	2	Pract. Chem. Assaying. Designing.	Theory of Structures. Pract. Chem.	Pract. Chem.	Pract. Chem. Assaying. Designing	Do
	3	Do	Hydraulics. (a) Steam. (a)	Do	Do	Hydraulics. (a) Steam. (a)
	4	Do	Do	Do	Do	Metallurgy

## DECLARATION OF GRADUATES IN APPLIED SCIENCE.

I . . . promise and solemnly declare, that I will, with my best endeavours, be careful to maintain the interests of this University, and that to the best of my ability I will promote its honour and dignity.

## SPECIAL ANNOUNCEMENT.

## COURSE OF LECTURES ON SANITATION. †

Through the liberality of Mr. J. H. Burland, B. A. Sc., the Faculty is enabled to announce the introduction into the curriculum of study of a course of lectures on Sanitation. A series of at least fifteen lectures will be delivered on this subject during the Session of 1889-90, by Mr. R. P. Fleming, M. Can. Soc. C.E.

The lectures will be given on Tuesday evenings, at 8 o'clock, commencing with the first Tuesday in October, and will treat of the following subjects;—

Sewer Gas (*composition and effects*), House Drainage (*outside and inside drains, their size, grade, material, laying, jointing and flushing*), Ventilation of Drains (*fresh air inlet, &c.*), Soil and Water Pipes (*material, joints, ventilation, &c.*), Fixtures, Traps, Tests (*different kinds, their merits and demerits, &c.*).

The lectures will also be illustrated by practical tests on actual drains.

\* For Mining and Chemistry Students. (a) Steam during first term; Hydraulics during Second term.

Field work for Students of the 2nd year on Mondays, Tuesdays, Wednesdays, Thursday and Fridays; for Students of the Third Year on Mondays, Wednesdays, Thursdays and Fridays during the months of September and October.

† This course will be compulsory for Students in the First Year of the Faculty of Applied Science.

The lectures during the Session of 1890-91 will treat of the following subjects:—

Different systems of House Drainage, Drainage and Plumbing Designs (*details of the best appliances for cleanliness and simplicity*), Flushing Tanks, Methods of examining existing systems of Drainage and of remodelling them, should they be found defective; Practical Examinations, Apartment Ventilation, Dampness (*French drains for removal of surface water, &c.*).

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*Fees.*—Medical and Partial Students will be admitted to the lectures on Sanitation on payment of a fee of \$6.

Students in Applied Science may attend the course of lectures in Hygiene in the Medical Faculty, on payment of a fee of \$6.

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## Faculty of Medicine.

THE PRINCIPAL (ex-officio).

*Professors :*

WRIGHT,	ROSS,	WILKINS,
MACCALLUM,	RODDICK,	PENHALLOW,
CRAIK,	GARDNER,	MACDONNELL,
FENWICK,	SHEPHERD,	MILLS,
GIRDWOOD,	BULLER,	CAMERON,
	STEWART.	

*Dean.*—R. CRAIK, M.D.

*Registrar.*—J. STEWART, M.D.

*Librarian.*—F. J. SHEPHERD, M.D.

The Fifty-Seventh Session of the Faculty will be opened on Tuesday, October 1st, 1889, by an introductory lecture at 3-p.m. The regular lectures will begin on October 2nd, at the hours specified in the time-table, and will be continued for six months.

The Medical School of McGill University was founded in 1824, as the "Medical Institution," by Drs. John Stephenson, Andrew F. Holmes, William Robertson and William Caldwell. In 1829 the Medical Institution became the Medical Faculty of McGill College. There were no Sessions during the political troubles, from 1836 to 1839, and it is owing to this gap that the present is the 57th Session of the Faculty. In reality this is the 61st Session of the School, which is the direct continuation of the Medical Institution.

The new building of the Medical Faculty, which was opened in the year 1885, is one of the most complete structures of its kind on this continent or elsewhere. It has been found admirably adapted for the fulfilment of the great aim of the Faculty—to make the teaching of the primary branches as practical and as thorough as

possible. The facilities now possessed by the Faculty for the above purpose are equal to those of the most advanced European medical schools.

Through the great liberality of Sir Donald A. Smith in founding the "Leancoil Endowment," and of the citizens of Montreal and Medical Graduates in subscribing to the "Campbell Memorial Fund," the Faculty are enabled to conduct and maintain the teaching of the different branches in a high state of efficiency.

#### LABORATORIES, &c.

In addition to the laboratories and dissecting room, there are two large lecture rooms, each capable of comfortably seating 300 students, and one small demonstration room for classes of 50 and under. The space allotted to the library and museum has been largely increased. A large reading room, waiting room and cloak room, have been provided for students.

#### DISSECTING ROOM.

The Dissecting Room, which is situated on the second floor, is 76 feet in length and 31 feet in breadth. It is furnished with twenty tables, and is well lighted for work during the day and night. In procuring appliances for the comfort and convenience of the students, no reasonable expense has been spared.

In connection with the dissecting room, there is a "Bone room," where students have an excellent opportunity of studying osteology. There are also two distinct rooms for the demonstrators of anatomy.

#### PHYSIOLOGICAL LABORATORY.

The Physiological Laboratory, which is situated on the ground floor, is supplied with the most modern apparatus for the practical teaching of this most important branch of the medical curriculum. It contains amongst other valuable instruments,—kymographs, various manometers, &c., for demonstrating blood pressure; myographs, rheocords, moist chambers, &c., and various electrical appliances for demonstrating experiments in connection with nerve and muscle; special apparatus for illustrating various points in respiration; apparatus specially suitable for demonstrating the processes of digestion,

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as well as the chemical composition and nature of the secretions, and the chief constituents of the tissues and nutritive fluids. The laboratory is arranged in such a way as to permit of students assisting at, and taking part in these demonstrations. During the past session important additions have been made to the physiological laboratory.

#### HISTOLOGICAL LABORATORY.

The Histological Laboratory is a large, well-lighted room on the second floor. It is so arranged that over eighty students can be present at the microscopical demonstrations. For this purpose it is supplied with thirty-five microscopes, all from the well-known makers,—Zeiss, Hartnack and Leitz. From the large number of microscopes employed, students will have special facilities in studying and making themselves thoroughly acquainted with the specimens that are the subjects of demonstration.

#### PHARMACOLOGICAL LABORATORY.

The Pharmacological Laboratory is a large room situated on the ground floor, and is now furnished with the necessary appliances for the practical teaching of pharmacy. It is hoped that before another session passes away, the apparatus necessary for the demonstration of the more important actions of many drugs will be in possession of the Faculty.

#### CHEMICAL LABORATORY.

The Chemical Laboratory is large, lofty, and well lighted, and can accommodate comfortably 76 men at one time. Each student, when entering on this course, has a numbered table in the laboratory assigned to him for his use during the session. Each table has its own gas and water fixtures, and is provided with shelves for its corresponding set of reagent-bottles, as well as a drawer and locker containing a modern set of chemical apparatus especially adapted for the work. This apparatus is provided by the Professor of Chemistry, and supplied to each student without extra charge. The student is only required to pay for apparatus broken or destroyed.

The laboratory is furnished with a large draught closet for ventilation, sulphuretted hydrogen apparatus, gas and combustion furnaces, &c., giving to the student unsurpassed advantages for acquiring a sound and practical knowledge of medical chemistry.

#### PATHOLOGICAL LABORATORY.

In the Pathological Laboratory accommodation will be provided for students or practitioners who desire to carry on private pathological research.

The recent additions made to the laboratory include a suite of rooms exclusively devoted to the study and culture of Bacteria, furnished with a complete outfit of the best modern apparatus for this purpose, including sterilizer, thermostat, &c., &c.

The demonstrations in Morbid Anatomy will be given in a small laboratory specially arranged for the work.

The classes in Pathological Histology will be held in the Histological Laboratory.

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The class tickets for the various courses are accepted as qualifying candidates for examination before the various Colleges and Licensing bodies of Great Britain and Ireland, and the College of Physicians and Surgeons of Ontario. The degree in Medicine of this University carries with it at the Licensing Boards of Great Britain the same exemptions in certain subjects as are granted to all colonial degrees.

To meet the circumstances of the General Practitioners in British North America, where there is no division of the profession into Physicians and Surgeons exclusively, the degree awarded upon graduation is that of "Doctor of Medicine and Master of Surgery," in accordance with the general nature and character of the curriculum, as fully specified hereafter. The degree is received by the College of Physicians and Surgeons of the Province of Quebec.

#### I. MATRICULATION.

It is very important that intending Students should bear in mind the following :—

(1.) If residents of Ontario, and desirous of obtaining the license of that Province, they must conform to the regulations regarding the Preliminary Examination, and register before beginning their medical studies.

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(2.) If residents of the Province of Quebec, and desirous of obtaining the license of that Province, they must pass the Matriculation Examination of the Quebec Medical Board before beginning their medical studies.

In the event of a resident in the Province of Quebec producing a Certificate of Matriculation from any of the other Provinces of the Dominion, he will be required to make a declaration that he had not obtained it with the object of avoiding the examination of the Quebec Medical Board.

(3.) Residents of the Maritime Provinces, Manitoba, or British Columbia may either pass the Preliminary Examination of their respective Medical Boards or the Matriculation Examination of this University.

(A).—UNIVERSITY MATRICULATION EXAMINATION.

The Preliminary Examination in General Education of the following Bodies is accepted by the University in lieu of its own Matriculation Examination :

1. The College of Physicians and Surgeons, Ontario.
2. The College of Physicians and Surgeons, Quebec.
3. The New Brunswick Medical Board.
4. The Nova Scotia Medical Board.
5. The Manitoba Medical College.

Graduates and Matriculates in Arts of all recognized Universities are exempt from matriculation. Any student who is unable to present proof of having passed any one of the above, or other equally satisfactory examination, will be required to undergo the matriculation examination either in Arts or Medicine of this University.

(1) *The matriculation in Arts* is held twice yearly : on the 1st of June and following days, and on the 17th of September and following days.

The subjects for examination are Classics, Mathematics and English.

*Greek.*—Xenophon, Anabasis, Book I.; Greek Grammar.

*Latin.*—Cæsar, Bell. Gall. Book I.; and Virgil, Æneid, Book I. lines 1-300; Latin Grammar.

*Mathematics.*—Arithmetic; Algebra, to Simple Equations (inclusive), Euclid's Elements, Books I., II., III.

*English.*—Writing from Dictation. A paper on English Grammar *including* Analysis. A paper on the leading events of English History. Essay on a subject to be given at the time of the examination.

An equivalent amount of other books or other authors in Latin or Greek than those named may be accepted in the September examination, on application through the Professor of Classics.

(2) *The Medical Matriculation* Examination is the same as that required by the Medical Council of Great Britain.

Examinations in conformity therewith will be held on the last Friday and Saturday in March, and the third Friday and Saturday in September of each year. Applications may be made to Dr. Howe, the Examiner, till the evening of the previous day. The requirements of the standard for Matriculation are:—(1) English Language, including Grammar and Composition. (2) English History. (3) Modern Geography. (4) Latin, including Translation from the original and Grammar. (5) Elements of Mathematics, comprising (a) Arithmetic, including Vulgar and Decimal Fractions; (b) Algebra, including simple Equations; (c) Geometry, including the first two books of Euclid or the subjects thereof. (6) Elementary Mechanics of Solids and Fluids, comprising the elements of Statics, Dynamics and Hydrostatics. (7) One of the following optional subjects:—(a) Greek, (b) French, (c) German, (d) Italian, (e) any other modern language, (f) Logic, (g) Botany, (h) Elementary Chemistry.

TEXT-BOOKS—Latin: Cicero, in *Catalinam* II.; or Virgil, *Æneid*, Bk. I.

GREEK.—Xenophon, *Anabasis*, Bk. I., or Homer's *Iliad*, Bk. IV.

FRENCH.—Voltaire's *Charles XII.*, Two Books.

NATURAL PHILOSOPHY.—Ganot's *Physics*, the Chapters on Statics, Dynamics, Hydrostatics and Heat.

BOTANY.—Gray's "How Plants Grow."

ELEMENTARY CHEMISTRY.—Storer and Elliot's *Manual*.

(B).—MATRICULATION EXAMINATION OF THE COLLEGE OF  
PHYSICIANS AND SURGEONS OF QUEBEC.

LATIN.—Caesar's *Commentaries*. Bks. I., II., III., IV., V.—Virgil's *Æneid*, Bks. I. and II.—The *Odes* of Horace, Bk. III.

ENGLISH.—Sprague's "Six Selections from Washington Irving's *Sketch Book*."—A play of Shakespeare, viz., "Henry V." for 1888, and "Coriolanus" for 1889.

FRENCH.—Fénelon's "Aventures de *Télémaque*."—A French play, viz., Molière, "Le *Bourgeois Gentilhomme*" for 1888, and La Fontaine's "Fables," Books I., II., III., for 1889.

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**BELLES LETTRES AND RHETORIC.**—Principles of the subject. History of the Literature of the age of Pericles in Greece, of Augustus in Rome, of Elizabeth in England, Louis XIV. in France, and of the 18th century.

**HISTORY.**—Outlines of the History of Greece and Rome, with particular knowledge of England, France and Canada.

**GEOGRAPHY.**—A general view, with particular knowledge of England, France and North America.

**ARITHMETIC.**—Must include Vulgar and Decimal Fractions, Simple and Compound Proportion, Interest and Percentages, and Square Root.

**ALGEBRA.**—Must include Fractions and Simultaneous Equations of the First Degree.

**GEOMETRY.**—Euclid, Books I., II., III., IV. and VI., or the portion of Plane Geometry covered by those Books. Also the measurement of the lines, surfaces and volumes of regular geometrical figures.

*Optional Subjects.*

**GREEK.**—Xenophon's Anabasis, Book I.—Homer's Iliad, Book I.

**PHYSICS.**—Outlines of the subject, as in Ganot's Physics, translated by Atkinson.

**PHILOSOPHY.**—Elements of Logic and of Moral Philosophy, as in Jevon's Logic and Calderwood's Hand-book of Moral Philosophy.

\* The Examinations will be held upon the 19th of September, 1889, at Quebec, and on the 9th of May, 1890, at Montreal. Applications to be made to Dr. F. W. Campbell, Montreal, or Dr. Belleau, Quebec, either of whom will furnish schedule giving text-books and percentage of marks to be obtained.

Examination Fee, ten dollars. Should the candidate be unsuccessful, one half of the fee will be returned.

Of the four years' study *after* having passed the Matriculation Examination, three six months' sessions, at least, must be attended at a University, College, or Incorporated School of Medicine, recognized by the "Provincial Medical Board." The first session must be attended during the year immediately succeeding the Matriculation Examination, and the final session must be in the fourth year.

(C.)—MATRICULATION EXAMINATION OF THE COLLEGE OF  
PHYSICIANS AND SURGEONS OF ONTARIO.

† Every one desirous of being registered as a Matriculated Medical Student in the Register of this College, except as hereinafter provided, must present to the Registrar, Dr. Pyne, Toronto, the official certificate of having passed the 2nd class Teachers' examination, with Latin option; whereupon he shall be entitled to be so registered, upon the payment of twenty dollars and giving proof of his identity.

Graduates in Arts, or Students having matriculated in Arts in any University in Her Majesty's Dominions, are not required to pass the Matriculation Examination, but may register their names with the Registrar of the College, upon giving satisfactory evidence of their qualifications and upon paying the fee of twenty dollars.

## § II.—ENREGISTRATION.

*The following are the University Regulations:—*

All Students desirous of attending the Medical Lectures shall, at the commencement of each Session, enrol their names and residences in the Register of the Medical Faculty.

The said Register shall be closed on the last day of October in each year. Fees are payable to the Registrar, and must be paid in advance (except under special circumstances) at the time of enregistration.

## § III.—COURSES OF LECTURES.

### ANATOMY.

PROFESSOR, FRANCIS J. SHEPHERD.

Anatomy is taught in the most practical manner possible, and its relation to Medicine and Surgery fully considered. The lectures are illustrated by the fresh subject, moist and dry preparations, sections, models and plates, and drawings on the blackboard.

Special attention is devoted to Practical Anatomy, the teaching being similar to that of the best European schools. The Dissecting Room is open from 8 a.m. to 10 p.m., the work being conducted under the constant supervision of the Professor and his staff of Demonstrators. Special Demonstrations on the Brain, Thorax, Abdomen, Bones, &c., are frequently given. Every Student must be examined *at least* three times on each part dissected, and if the examinations are satisfactory a certificate is given. Prizes are awarded at the end of the Session for the best examination on the fresh subject. Abundance of material provided.

### CHEMISTRY.

PROFESSOR, GILBERT P. GIRDWOOD.

LECTURER, R. F. RUTTAN.

Inorganic Chemistry is fully treated; a large portion of the course is devoted to Organic Chemistry and its relations to Physiology. The branches of Physics bearing upon or connected with Chemistry also engage the attention of the Class. For experimental illustration abundant apparatus is possessed by the College.

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The Chemical Laboratory will be open to members of the class to repeat experiments performed during the course, under the superintendence of the Professor or Lecturer.

### PRACTICAL CHEMISTRY.

PROFESSOR, GILBERT P. GIRDWOOD.

LECTURER, R. F. RUTTAN.

The course in practical chemistry includes two hours' laboratory work three times a week for three months. The Students are instructed individually in chemical manipulations, blow-pipe analysis, and qualitative determination of the salts, acids, &c., they will require to use in practice. They are required before finishing their course to be familiar with the principles of practical Forensic and Sanitary Chemistry. Special attention is directed to instructing the Student in making accurate notes of his experiments and his conclusions. These notes are examined daily and criticised.

### PHYSIOLOGY.

PROFESSOR, T. WESLEY MILLS.

The purpose of this Course is to make Students thoroughly acquainted, as far as time permits, with modern Physiology: its methods, its deductions, and the basis on which the latter rest. Accordingly a full course of lectures is given, in which both the Experimental and Chemical departments of the subject receive attention.

In addition to the use of diagrams, plates, models, &c., every department of the subject is experimentally illustrated. The experiments are free from elaborate *technique*, and many of them are of a kind susceptible of ready imitation by the Student.

#### *Laboratory work for Senior Students :—*

(1) During the first part of the Session there will be a course on Physiological Chemistry, in which the Student will, under direction, investigate food stuffs, digestive action, blood, and the more important secretions and excretions, including urine. All the apparatus and material for this course will be provided.

(2) The remainder of the Session will be devoted to the performance of such experiments as are unsuitable for demonstration to a large class in the lecture room, and such as require the use of elaborate methods, apparatus, &c. There will be no extra fee for this part of the course.

### HISTOLOGY.

PROFESSOR, GEO. WILKINS.

This will consist of a course of ten lectures and twenty-five weekly demonstrations with the Microscope. As the demonstrations will be chiefly relied upon for

teaching the Microscopic Anatomy of the various structures, the specimens under observation will then be minutely described. Plates and diagrams specially prepared for these lectures will be freely made use of.

### PHARMACOLOGY AND THERAPEUTICS.

PROFESSOR, JAMES STEWART.

The course on this subject comprises :

I. A description of the Pharmacology and Therapeutics of the more important medicinal agents.

II. The delivery of a weekly lecture ("Clinical Therapeutics") in the theatre of the General Hospital on some case or groups of cases well adapted for illustrating important points in both general and special Therapeutics. The material for these lectures is abundant, being obtained from both the wards and the outdoor clinics. Electro Therapeutics will also be dealt with in this part of the course.

III. The attendance during the summer session of a course on Practical Materia Medica.

### MEDICINE.

PROFESSOR, GEORGE ROSS.

While the lectures on this subject are mainly devoted to Special Pathology and Therapeutics, no opportunity is lost of illustrating and explaining the *general* laws of disease. With the exception of certain affections seldom or never observed in this country, all the important internal diseases of the body, except those peculiar to Women and Children, are discussed, and their Pathological Anatomy illustrated by the large collection of morbid preparations in the University Museum, and by fresh specimens contributed by the Demonstrator of Morbid Anatomy.

The College possesses an extensive series of Anatomical plates, illustrative of the Histological and Anatomical appearances of disease, and the wards of the General Hospital afford the lecturer ample opportunities to refer to living examples of very many of the maladies he describes, and to give the results of treatment.

### CLINICAL MEDICINE.

PROFESSOR, R. L. MACDONNELL.

Attendance is given in the Medical Wards of the Montreal General Hospital on three days of every week with the 3rd year students, and three days with those of the 4th year. Accurate reports of all cases are kept by duly appointed clinical clerks, and are systematically read before the class. Instruction is given at the bedside, and special inducements are offered to every pupil to take part in the physical examination of patients. The mode of conducting investigations, the

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use of the microscope, the value of the thermometer and ophthalmoscope, &c., in medical diagnosis, are all explained and illustrated. Senior Students are called upon in rotation to examine new cases before the class, and to be examined thereon as to their general knowledge. In addition, one weekly Clinical Lecture is delivered, bearing upon some case or cases of importance which may happen to be under observation at the time. Special attention is directed to Medical Anatomy, and candidates for the degree will be examined thereon.

### SURGERY.

PROFESSOR, GEO. E. FENWICK.

The first part of this course consists of Surgical Pathology, illustrated by a large collection of preparations from the College Museum, also specimens as they are obtained from cases under observation at the Hospital, and contributed to that collection by the Hospital pathologist, and from private sources. The second part of the course is devoted to the practice of Surgery, in which attention is drawn to cases which have been observed by the class during the previous summer session. The various surgical appliances are exhibited, and their uses and application explained. Surgical Anatomy and Operative Surgery form a special department of this course, and Quain's and Maclise's plates are used in illustration.

### CLINICAL SURGERY.

PROFESSOR, THOMAS G. RODDICK.

This course is eminently practical, consisting of bedside instruction and lectures delivered weekly, illustrative of surgical cases actually present in the wards of the General Hospital. The class is separated into junior and senior divisions, which are taken charge of by the Professor on alternate days, when the reports of the Clinical clerks are read and criticised, and fresh cases are examined by the senior students. The surgical dressings are, as much as possible, reserved for these occasions, so as to give all present an opportunity of participating in the application of splints to fractures, dressing of wounds, minor operations, &c. Major operations are performed in the theatre attached to the Hospital, which is so constructed that the most distant can obtain a fair view of the operations. All the recently invented appliances for the treatment of surgical disease have been introduced into the Hospital.

### MIDWIFERY.

PROFESSOR, J. C. CAMERON.

This course will embrace: 1. Lectures on the principles and practice of the obstetric art, illustrated by diagrams, fresh and preserved specimens, the artificial pelvis, complete set of models, illustrating deformities of the pelvis, wax preparations, bronze mechanical pelvis, &c. 2. Bedside instruction in the Montreal

Maternity, including the management and after-treatment of cases. 3. A complete course on obstetric operations with the phantom and preserved fetuses. 4. The Diseases of Infancy. 5. A course of individual clinical instruction at the Montreal Maternity.

#### GYNÆCOLOGY.

PROFESSOR, WM. GARDNER.

The course on this subject will comprise two lectures a week throughout the session. The anatomy and physiology of the parts concerned will be first discussed. Then the various methods of examination will be fully described, the necessary instruments exhibited, and their uses explained. After this, the diseases peculiar to the sex will be considered as fully as time will permit, in the following order:—Disorders of Menstruation; Leucorrhœa, its causes and treatment; Pelvic Cellulitis and Peritonitis; Lacerations of the Cervix Uteri and Perineum; Urinary and Fæcal Fistulæ; Inflammations of the Uterus; Displacements of the Uterus; Tumors of the Uterus; Diseases of the Ovaries.

The lectures will be illustrated as fully as possible by drawings and morbid specimens. The Gynæcological Clinic of the General Hospital furnishes the Professor with ample material to illustrate the subjects considered in the didactic lectures.

#### MEDICAL JURISPRUDENCE.

PROFESSOR, GEO. WILKINS.

This course includes Insanity, the subject being treated of in its Medical as well as Medico-legal aspects. Special attention is devoted to the subject of blood stains, the Clinical, Microscopic and Spectroscopic tests for which are fully described and shown to the class. The various spectra of blood in its different conditions are shewn by Zeiss' Microspectroscope, so well adapted for shewing the reactions with exceedingly minute quantities of suspected material. Recent researches in the diagnosis of human from animal blood are alluded to. In addition to the other subjects usually included in a course of this kind, Toxicology is taken up. The modes of action of poisons, general evidence of poisoning and classification of poisons are first treated of, after which the more common poisons are described, with reference to symptoms, post-mortem appearances, and chemical tests. The post-mortem appearances are illustrated by plates, and the tests are shown to the class.

#### OPHTHALMOLOGY AND OTOTOLOGY.

PROFESSOR, FRANK BULLER.

Will include a course of lectures on disease of the Eye and the Ear, both Didactic and Clinical. In the former, the general principles of diagnosis and treatment

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will be dealt with; in the latter, cases illustrative of the typical forms of ordinary diseases of these organs will be exhibited and explained to the class, and afterwards placed under the special care of gentlemen who may show themselves competent to take charge of them. A course of Operations on the cadaver will be open to such students as may wish to avail themselves of the same.

### HYGIENE.

PROFESSOR, ROBERT CRAIK.

Comprises lectures on Drinking Water and Public Water Supplies; conditions of Soil and Water as affecting health, including Drainage and the various methods for the removal of Excreta; the Atmosphere, including Heating and Ventilation; Individual Hygiene, comprising the subjects of Food and Drink; Physical Exercise and Bathing; discussion of the respective merits of the various forms of each, precautions, contra-indications, &c., Village Sanitary Associations; Mutual Protective Sanitary Associations for cities.\*

### BOTANY.

PROFESSOR, D. P. PENHALLOW.

The course in Botany includes General Morphology, Histology, Physiology and Classification. It is designed to give special prominence to Physiology, which will be made comparative whenever practicable. The course is illustrated by the microscope and gas microscope, and by the collection, models and apparatus in the Peter Redpath Museum.†

### ZOOLOGY.

PROFESSOR, SIR WILLIAM DAWSON.

This course includes a systematic study of the classification of animals, illustrated by Canadian examples, and by the collections in the Peter Redpath Museum. It forms a suitable preparation for collecting in any department of Canadian Zoology and Palæontology, and an introduction to Comparative Physiology. It may be taken instead of Botany, or along with it, without any additional fee.

Students in Botany or Zoology will receive tickets to the Peter Redpath Museum, and to the Museum of the Natural History Society of Montreal.

### PATHOLOGY.

DEMONSTRATOR, W. G. JOHNSTON.

*This Course comprises:—*

I. Twenty-five lectures on General Pathology to Students of the 3rd year.

\* Students may attend the Lectures on Sanitation in the Faculty of Applied Science:—  
Fee \$6.

† Exemptions from Botany in the Matriculation, for Arts Students, do not entitle Students to exemptions in the First Year.

2. Weekly Pathological Demonstrations to Students of the third year. The gross and microscopic appearances of specimens collected during the week are demonstrated to the final classes. In addition, special demonstrations in Pathological Histology are given throughout the session.

3. Instruction in Post-Mortems. The Autopsy Room of the General Hospital is in charge of the Demonstrator. The post-mortems are performed by the students in rotation under his direction, and systematic demonstrations of post-mortem methods, including those to be followed in Medico-Legal cases, will also be given.

#### PRACTICAL MICROSCOPY.

This is an entirely *Optional* Course, and will be conducted by Prof. Wilkins, who will have Dr. Johnston, the Lecturer on Pathology, associated with him. It is intended especially for teaching the *technique* of Microscopy. Students will be shown how to examine blood, etc., fresh specimens and morbid products, also to cut, stain and mount specimens. For this purpose they will have furnished them both normal and diseased structures with which they will be able to secure a cabinet of at least 100 specimens. Everything except over-glasses and cabinet cases provided. Fee \$12.00.

#### EXTRACTS FROM THE UNIVERSITY REGULATIONS WITH RESPECT TO THE COURSES OF LECTURES.

1st. Each Professor shall deliver at least five Lectures during the week, except in Medical Jurisprudence and Botany, if extended through six months, in which case three Lectures a week will suffice.

2nd. Every Lecture shall be of one hour's duration.

3rd. Every Professor shall occasionally examine his class upon the subjects treated of in his preceding Lectures, and every such examination shall be considered as a Lecture.

4th. A roll of the names of the Students attending such class shall be called from time to time.

#### § IV.—QUALIFICATIONS FOR THE DEGREE.

The following are Extracts from the Regulations respecting the qualifications of Candidates for the Degree in Medicine :—

1st. No one entering after October 1st, 1884, will be admitted to the Degree of Doctor of Medicine and Master of Surgery, who shall not have attended Lectures

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for a period of at least four six months' sessions and one three months' summer session\* in this University, or some other University, College or School of Medicine, approved of by this University.

2nd. Candidates for Final Examination shall furnish Testimonials of attendance on the following branches of Medical Education, viz. :—

ANATOMY.		
PRACTICAL ANATOMY.		
PHYSIOLOGY.		
CHEMISTRY.		
MATERIA MEDICA AND THERAPEUTICS.	3 3 3	} Of which Two Courses will be required of Six Months' duration.
PRINCIPLES AND PRACTICE OF SURGERY.	3 0 0 3	
MIDWIFERY AND DISEASES OF WOMEN AND CHILDREN.	3 3 3 3	
THEORY AND PRACTICE OF MEDICINE.	3 3 3 3	
CLINICAL MEDICINE.	3 3 3	
CLINICAL SURGERY.	3 3 3 3	
MEDICAL JURISPRUDENCE.	3 3 3 3	} Of which One Course of Six Months, or Two Courses of Three Months will be required.
PRACTICAL CHEMISTRY.	3 3 3 3	
BOTANY OR ZOOLOGY.	3 3 3 3	} Of which One Course will be required of Three Months' duration.
HYGIENE.	3 3 3 3	
HISTOLOGY.	3 3 3 3	} Ten Lectures and Twenty-five Demonstrations.
GENERAL PATHOLOGY.	3 3 3 3	
	3 3 3 3	} Twenty-five Lectures.

*Provided, however, that Testimonials equivalent to, though not precisely the same as those above stated, may be presented and accepted.*

3rd. The Candidates must give proof by ticket of having attended during eighteen months the practice of the Montreal General Hospital, or that of some other Hospital approved of by this University, and of having compounded medicines for six months.

4th. He must also give proof by ticket of having attended for at least six months the practice of the University or other Lying-in-Hospital approved of by this University, and of having attended at least six cases of labor.

5th. No one will be permitted to become a Candidate for examination who shall not have attended at least one Session of this University, and one full course of all the branches included in its curriculum.

6th. Courses of less length than the above will only be received for the time over which they have extended.

\*To be taken after 3rd Winter Session.

7th. Students, except by special permission of the Faculty, must pursue the subjects of Anatomy, Chemistry, Histology and Botany in their first session, and are advised to take Physiology in addition.

8th. Candidates who fail to present themselves for or to pass in any of the subjects of the first two years, will be granted a supplemental examination at the beginning of the following session.

9th. No candidate will be permitted to proceed with the work of the final year, until he has passed all the subjects comprised in the Primary Examination.

10th. Candidates who fail to pass in a subject of which two courses are required may, at the discretion of the Faculty, be required to attend a third course, and furnish a certificate of attendance thereon.

A course in Practical Anatomy, will be accepted as equivalent to a third course of lectures in General and Descriptive Anatomy.

11th. The requirements for the summer session, when as at present taken after the third winter session, shall be:—

- (a) Daily Hospital attendance;
- (b) Maternity attendance; and
- (c) Any two weekly clinics, in addition to the clinics on General Medicine and Surgery.

12th. Every Candidate for the Degree must, on or before the first day of March, present to the Registrar of the Medical Faculty testimonials of his qualifications, entitling him to an examination, and must at the same time deliver to the Registrar of the Faculty the following Certificate:—

MONTREAL, ——— 18—

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

13th. The trials to be undergone by the Candidate shall be such as are referred to under Section V.

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14th. The following Oath or affirmation will be exacted from the Candidate before receiving his degree :—

## SPONSIO ACADEMICA.

In Facultate Medicinæ Universitatis.

Ego, A—— B——, Doctoratus in Arte Medica, titulo jam donandus, sancto coram Deo cordium scrutatore, spondeo ;— me in omnibus grati animi officiis erga hanc Universitatem, ad extremum vitæ halitum, perseveraturum ; tum porro artem medicam caute, caste, et probe exercitaturum ; et quoad in me est, omnia ad ægrotorum corporum salutem conducentia, cum fide procuraturum ; quæ denique, inter medendum, visa vel audita silere conveniat, none sine gravi causa vulgaturum. Ita præsens mihi spondenti adsit Numen.

15th. The fee for the Degree of Doctor of Medicine and Master of Surgery shall be thirty dollars, to be paid by the successful candidate immediately after examination.

## § V.—EXAMINATIONS.

Weekly examinations are held to test the progress of the Student ; and in addition two or three written examinations are given throughout the Session.

The examinations at the close of each Session are arranged as follows :—

## FIRST YEAR.

*Pass Examination* in BOTANY and HISTOLOGY.

*Sessional Examination* in ANATOMY, CHEMISTRY, and PHYSIOLOGY.

A maximum of one hundred marks will be allowed for the Sessional Examination in each subject, which marks shall be reckoned in the ranking of the candidate after the examination of the following year.

## SECOND YEAR.

*Pass Examination* in ANATOMY, CHEMISTRY, PRACTICAL CHEMISTRY and PHYSIOLOGY.

*Sessional Examination* in PHARMACOLOGY and THERAPEUTICS.

One hundred marks will be allowed for the Sessional Examination, which marks shall be reckoned in the ranking of the candidate after the examination of the following year.

## THIRD YEAR.

*Pass Examination* in PHARMACOLOGY and THERAPEUTICS, MEDICAL JURISPRUDENCE, HYGIENE\* and PATHOLOGY.

\* The examinations in Hygiene are held at the close of the summer session.

## FOURTH YEAR.

*Pass Examination* in MEDICINE, SURGERY, OBSTETRICS, CLINICAL MEDICINE, CLINICAL SURGERY.

By means of the above arrangement a certain definite amount of work must be accomplished in each year, and an equitable division is made between the Primary and Final branches.

With regard to the Primary Examination at the end of the second year, it remains optional with the Student whether he passes in all the branches or leaves two for the third year. In any case, Chemistry and Anatomy must be taken at the close of the second year, except it be otherwise agreed to by the Faculty.

§ VI.—MEDALS AND PRIZES.

1st. The Holmes Gold Medal, awarded to the Student of the graduating class who receives the highest aggregate number of marks for the best examinations, written and oral, in both Primary and Final branches.

The Student who gains the Holmes Medal has the option of exchanging it for a Bronze Medal, and the money equivalent of the Gold Medal.

2nd. A Prize in Books awarded for the best examination, written and oral, in the Final branches. The gold medalist is not permitted to compete for this prize.

3rd. A Prize in Books awarded for the best examination, written and oral, in the Primary branches.

4th. The Sutherland Gold Medal, awarded for the best examination in Theoretical and Practical Chemistry, together with creditable examination in the Primary branches.

5th. A Prize in Books for the best examination in Practical Anatomy.

6th. Prizes in Botany.

A Prize in Books for the best examination.

7th. The Clemesha Prize in Clinical Therapeutics, Books to the value of \$25.00.

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## § VII.—FEES.

The total collegiate fees for all students entering on and after the first of October, 1889, will be four hundred dollars, to be paid in four annual instalments of one hundred dollars each. The above sum represents the tuition for four winter and one summer session, and if the student elects to attend the two other summer sessions of his course, he can do so without further payment.

*All fees are payable in advance, to the Registrar, and except by permission of the Faculty will not be received later than 1st November.*

*It is suggested to parents or guardians of students that the fees be transmitted direct by cheque or P. O. Order, to the Registrar, who will furnish official receipts.*

## § VIII.—TEXT BOOKS.

*(Prices current in Montreal.)*

ANATOMY.—Gray, \$6; Wilson, \$4; Quain (Eng. Ed.), \$9.75.

PRACTICAL ANATOMY.—Heath's Dissector, \$4.50; Holden's Dissector, \$5; and Landmark's, \$1; Ellis' Demonstrations.

PHYSICS.—Balfour Stewart, \$1.35.

INORGANIC CHEMISTRY.—Millar, \$1; Wurtz's Elementary Chemistry, \$1.

ORGANIC CHEMISTRY.—Armstrong, \$1.

PRACTICAL CHEMISTRY.—Odling, \$1 75; Galloway, Fresenius, \$5.

PHARMACOLOGY and THERAPEUTICS.—Wood, \$6; Lauder Brunton, \$6; Whitla, \$3.50; and Bruce, \$1.50.

PHYSIOLOGY.—Huxley's *Elementary Lessons*, \$1.35; Foster, \$3.25; Prof. Mills Text-Book of Physiology (in the Press) and Outlines of Lectures.

PATHOLOGY.—Orth's Diagnosis in Pathology, \$3.50.

HISTOLOGY.—Klein's Elements, \$1.50; Schfær's Essentials of Histology, \$2.25.

SURGERY.—Holme's Surgery (Eng. Ed.), \$9; Erichsen, \$9; Druitt, \$4.25; Bryant, \$6.50; Treves, \$6.00.

PRACTICE OF MEDICINE.—Flint, \$5.50; Roberts, \$5; Bristowe, \$5; DaCosta, \$6; Fagge, \$10; Quain's Lictionary.

FOR REFERENCE.—Pepper's System of Medicine.

CLINICAL MEDICINE.—Graham Brown's Manual of Diagnosis, \$3.25; Finlayson's Clinical Manual, \$2.60; Flint on Auscultation and Percussion, \$1.60; and Loomis on Physical Diagnosis, \$3.00.

MEDICAL JURISPRUDENCE.—Husband, \$3.25; Guy and Ferrier, \$3.75; Reese, \$3.00.

MIDWIFERY.—Lusk, \$5; Galabin, \$3.

GYNÆCOLOGY.—Edis, \$3; Goodell's Lessons, \$4; Hart and Barbour's Manual, \$7.50; Thornburn, \$7.50.

HYGIENE.—Parks, \$5.50; Wilson, (Eng. Ed.), \$3.25.

BOTANY.—Gray's Text-Book of Histology and Physiology, \$2.25.

ZOOLOGY.—Sir William Dawson's Handbook of Canadian Zoology, \$1.25.

#### § IX.—MUSEUM.

CURATOR, W. R. SUTHERLAND, M. D.

For the past fifty years, the rich Pathological Material furnished by the Montreal General Hospital has been collected here. The Faculty are also greatly indebted to many medical men throughout different parts of the world for important contributions to the Museum.

During the past few years, numerous and extremely important additions have been made to the Medical Museum.

It is particularly rich in specimens of Aneurisms. In addition to containing a large number of the more common varieties of these formations, there are specimens of such rare condition as Aneurism of the Hepatic and Superior Mesenteric Arteries, Traumatic Aneurism of the Vertebral, together with several of the Cerebral and Pulmonary Arteries. The most important collection probably in existence, of hearts affected with "Malignant Endocarditis," is also found. The Faculty are indebted to Prof. Osler, late of this University, for this collection.

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### Obstetrical Department of the Museum.

Besides the ordinary pathological preparations, dry and moist, usually found in Museums, this department contains a complete set of models of deformed pelves, a series of preparations in wax, illustrating the normal relations of the pelvic organs, the development of the Uterus and its contents during pregnancy, various abnormalities, twin pregnancy, foetal circulation, &c., a series of colored casts of frozen sections, Tarnier's artificial pelvis, Budin's bronze mechanical pelvis, models of obstetrical instruments, &c.

Additions are being constantly made, and ere long the department will possess a complete collection of models, casts, preparations and apparatus for the practical teaching and illustration of Obstetrics.

### Anatomical Museum.

In addition of the already large collection of normal and abnormal osteology, comparative and human skeletons of various classes of animals, moist preparations and frozen sections, the following preparations have been obtained during the last session:—

- (1) A series of articulated skeletons of fore and hind limbs of the various domestic animals prepared by the articulator, Mr. Bailly.
- (2) Numerous moist preparations presented by the Professor and Demonstrator of Anatomy.
- (3) A complete set of Steger's beautiful colored casts taken from the celebrated frozen sections of Professors His and Braune of Leipzig. These preparations have been placed in the Museum, so that they can be constantly consulted by the Students.
- (4) (a) A complete set of Steger's brain sections.
- (b) Set of hardened brains with the various lobes, convolutions, ganglia, &c., in different colors.
- (c) Models of the cerebro-spinal and sympathetic nervous systems.

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### § X.—LIBRARY.

The Library of the Medical Faculty now comprises upwards of ten thousand volumes, the largest special library connected with any medical school on this continent.

The standard text-books and works of reference, together with complete files of the leading periodicals, are on the shelves. Students may obtain books on making a deposit of \$5, which is refunded on returning the volumes.

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§ XI.—**M'GILL MEDICAL SOCIETY.**

This Society, composed of enregistered Students of the Faculty, meets once a week during the Summer Session, and fortnightly during the Winter, for the reading of papers and the discussion of medical subjects. It is presided over by a physician chosen by the members.

A reading room has been established in connection with the Society, in which the leading English and American Medical Journals are on file.

The leading daily and weekly newspapers of the Dominion are also kept on file.

§ XII.—**COST OF LIVING, &c.**

This will, of course, vary with the taste and habits of the Student, but the necessary expenses need not exceed those in smaller towns. Good board may be obtained from \$15 to \$20 per month. A list of boarding houses is prepared annually by the Secretary of the University, and may be procured from the Janitor at the Medical College.

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§ XIII.—**HOSPITALS.**

*Montreal General Hospital.*

The Montreal General Hospital is the most extensive clinical field in the Dominion. A much larger number of in-door and out-door patients receive treatment there than in any other Canadian Hospital. Last year's report shows that 2,565 Medical and Surgical cases were treated in the wards, and the great proportion of these were acute cases, as may be gathered from the fact that the average duration of residence was only 23.6 days.

The large number of out-door patients that are treated in the Hospital—upwards of 30,000 annually—supply illustrations of most of the diseases of infants and children, of very many of the eye and skin, and of those chronic and ill-defined ailments, which, as they do not require admission to the wards of a hospital, would not otherwise come under the observation of the Student.

The large number of patients affected with diseases of the eye and ear, now attending the out-door department, will afford Students ample opportunity to become familiar with all the ordinary affections of those organs, and to make themselves proficient in the use of the ophthalmoscope, and it is hoped that every student will thus seek to gain a practical knowledge of this important branch of Medicine and Surgery. Operations are performed on the eye by the Ophthalmic Surgeon after the out-door patients have been seen, and Students are invited to attend the same, and, as far as practicable, to keep such cases under observation so long as they remain in the Hospital.

There are now special departments in the Hospital for Gynæcology and Laryngology, presided over by Specialists in these branches. Students are thus enabled to acquire special technical knowledge under skilled direction. The plan of teaching practical gynæcology for the past five years with marked success has been the limitation of the number of Students to two or three, who, in rotation, assist at the examinations, and receive instruction in the diagnosis and treatment of uterine diseases and the use of gynæcological instruments.

Recently two additional special clinics have been instituted in connection with the Out-door Department: one for diseases of children and the other for the diseases of the nervous system.

CLINICAL CLERKS in both medical and surgical wards are appointed every three months, and each one during his term of service conducts, under the immediate direction of the Clinical Professors, the reporting of all cases in the ward allotted him. The holding of one of these offices is found to be of the greatest possible advantage to Students, as affording a true *practical* training for his future professional life. They will be awarded on application at the end of each Session to final Students of that year, in order of their standing in the primary examination.

DRESSERS are also appointed to the Surgical wards and to the Out-door Department. For these appointments, application is to be made to the Professor of Clinical Surgery, and to the Assistant Surgeons.

The Operating Room (used also for a lecture room) is so constructed as to enable the Students to obtain a good view of the operations.

*Montreal Dispensary.*

ST. ANTOINE STREET.

Over 12,000 patients yearly are treated at this Institution. The cases are of great variety, comprising a large number of pulmonary affections and children's diseases. Minor operations are of daily occurrence, and excellent practice is afforded in the application of splints and bandages. The attending Physicians furnish Students with all possible facilities. The hours of attendance are from 12 to 2 daily during the winter session, and from 4 to 6 p.m. during the summer session.

*The Montreal Maternity.*

The Faculty have great pleasure in announcing that the Corporation of the Montreal Maternity have recently made very important additions to their building, and have still further improvements in contemplation. Students will therefore have greatly increased facilities for obtaining a practical knowledge of obstetrics. The institution is under the direct supervision of the Professor of Midwifery, who devotes much time and attention to individual instruction. Students who have attended one course of lectures are furnished with cases in rotation, which they are required to report and attend till convalescence. They are advised to take their clinical midwifery as much as possible during the summer session. Though only six cases are required to qualify for the license of the Ontario and Quebec Medical Boards, twenty cases are demanded by the licensing bodies of Great Britain. A sufficient number of cases will be assigned to students who contemplate presenting themselves for British qualifications. Two resident Accoucheurs are appointed yearly from the graduating class to hold office for a period of six months each. By

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an arrangement with the authorities of the Montreal General Hospital, one of the residents acts as Clinical assistant to the Gynæcologists for a period of six months, a change which has greatly enhanced the value of this appointment.

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§ XIV.—STUDENTS' APPOINTMENTS.

General Hospital—Five Resident Medical Officers.

Clinical Clerk, Gynæcology.

“ “ Laryngology.

“ “ Diseases of Children.

“ “ Dermatology.

“ “ Diseases of Nervous System.

University Maternity.—Two Resident Medical Officers.

Out-door Dressers.

Dressers in Eye and Ear Department.

Surgical Dressers (In-door).

Medical Clinical Clerks.

Post-mortem Clerks.

Student Demonstrators of Anatomy, 4 third-year Students.

Prosectors to Chair of Anatomy, 2.

Assistants in Practical Histology Course, 2.

Assistants in Practical Physiology Course, 4.

Assistants in Practical Chemistry, 2.

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§ XV.—RULES FOR STUDENTS.

1. In the case of disorderly conduct, any Student may, at the discretion of the Professor, be required to leave the Class-room. Persistence in any offence against discipline after admonition by the Professor shall be reported to the Dean of the Faculty. The Dean may, at his discretion, reprimand the Student, or refer the matter to the Faculty at its next meeting, and may in the interval suspend from classes.

2. Absence from any number of lectures can only be excused by necessity or duty, of which proof must be given, when called for, to the Faculty. The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session, shall in each case be determined by the Faculty.

3. While in the College, Students are expected to conduct themselves in the same orderly manner as in the Class-room.

4. When Students are brought before the Faculty under the above rules, the Faculty may reprimand, impose fines, disqualify from competing for prizes and honors, suspend from Classes, or report to the Corporation for expulsion.

TIME TABLE—FIRST AND SECOND YEARS, 1889-90.

A.M.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9	Anatomy Examination.	Anatomy.	Anatomy.	Anatomy.	Anatomy.	Physiology, and Year.
10	* Practical Chemistry, and Year, till 12 o'clock.	Practical Chemistry, Botany, 1st Year.	Practical Chemistry, 2nd Year.	Practical Chemistry, Botany, 1st Year.	Practical Chemistry, 2nd Year.	Practical Chemistry, Practical Physiology, Histology Demonstration.
11	Out-Patients, Montreal Gen'l Hospital.	Out-Patients, Montreal Gen'l Hospital, Zoology.	Out-Patients, Montreal Gen'l Hospital.	Out-Patients, Montreal Gen'l Hospital.	Out-Patients, Montreal Gen'l Hospital, Zoology.	Out-Patients, Montreal Gen'l Hospital.
P.M. 2	Physiology Examination, 2nd Year.	Physiology, 2nd Year.	Physiology, 2nd Year.	Physiology, 1st Year.	Physiology, 1st and 2nd Years.	
3	Chemistry Examination.	Chemistry.	Chemistry.	Chemistry.	Chemistry.	
4	Therapeutics Examination, Physiology, 1st Year.	Therapeutics, Physiology, 1st Year.	Therapeutics, Physiology, 1st Year.	Therapeutics.	Therapeutics, Histology Lectures, 1st Year.	
4 to 6		Practical Histology.		Practical Histology.		
A.M. 10 to 12	Practical Anatomy.	Practical Anatomy.	Practical Anatomy.	Practical Anatomy.	Practical Anatomy.	Practical Anatomy.

N.B.—The Demonstrator's Hours in the Dissecting Room from 10-12 a.m., and from 8-10 p.m. \* Until Christmas only.



A.M.  
10 to 12

Practical Anatomy.

Practical Anatomy.

Practical Anatomy.

Practical Anatomy.

Practical Anatomy.

Practical Anatomy.

N.B.—The Demonstrator's Hours in the Dissecting Room from 10-12 a.m., and from 8-10 p.m. \* Until Christmas only.

TIME TABLE—THIRD AND FOURTH YEARS, 1889-90.

A.M.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9	Midwifery.	Gynaecology.	Midwifery.	Gynaecology.	Midwifery.	
10	Surgery. Examination.	Surgery.	Surgery.	Surgery.	Surgery.	Morbid Anatomy. Demonstrations.
11	Practice of Medicine. Examination.	Practice of Medicine.	Practice of Medicine.	Practice of Medicine.	Practice of Medicine.	
P.M. 1-2.30	Medical Clinic, 4th Year. Surgical Clinic, 3rd Year.	Surgical Clinic, 4th Year. Medical Clinic, 3rd Year.	Medical Clinic, 4th Year. Surgical Clinic, 3rd Year.	Surgical Clinic, 4th Year. Medical Clinic, 3rd Year.	Medical Clinic, 4th Year. Surgical Clinic, 3rd Year.	Surgical Clinic, 4th Year. Medical Clinic, 3rd Year.
1		Clinic on Diseases of Children.		Clinic on Diseases of Children.		Clinic on Diseases of Children.
2					Skin Clinic.	
2.30			Neurological Clinic.			
2.30	Ophthalmic Clinic.		Ophthalmic Clinic.		Ophthalmic Clinic.	
4	Therapeutics Examination.	Therapeutics.	Therapeutics.	Therapeutics.	Therapeutics.	
4	Gynaecological Clinic.	General Pathology.	Gynaecological Clinic.	Lecture on Ophthalmology.	Gynaecological Clinic.	

Autopsies are performed at the General Hospital between 12 and 2 p.m.

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## Faculty of Law.

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### THE PRINCIPAL (Ex-officio).

Professors :—LAFLAMME.\*  
TRENHOLME.  
WURTELE.\*  
RAINVILLE.\*  
ARCHIBALD.

Professors :—LAREAU.  
HUTCHINSON.  
ROBIDOUX.  
DAVIDSON.  
MCGOUN.

Dean of Faculty.—Professor N. W. TRENHOLME, M.A., D.C.L.

Registrar of the Faculty.—ARCH. MCGOUN, M.A., B.C.L.

Corporation Examiners for Degrees.—Professors N. W. TRENHOLME, M.A., D.C.L., and EDMOND LAREAU, D.C.L.

Matriculation Examiners of the Faculty.—Professors J. S. ARCHIBALD, M.A., D.C.L., and EDMOND LAREAU, D.C.L.

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The classes in Law will begin with an opening lecture in the public Hall of the Fraser Institute, on Tuesday, the first of October, 1889.

The Supplemental and Matriculation Examinations will be held in the Faculty Rooms, Fraser Institute, on Wednesday, 25th September.

The Lectures will be delivered in the same Rooms in two terms, the first extending from Wednesday, 2nd October, 1889, to Friday, 13th December, 1889, and the second from Monday, 6th January, 1890, to Friday, 28th March, 1890. Any lectures omitted may be given between the latter date and the 10th April.

The Examinations will be held in the William Molson Hall, McGill College building, at Christmas, and at the close of the Session.

The complete course of study in this Faculty extends over three years; but it may be shortened to two years, when the student matriculates in the third year of his indentures.

Students who avail themselves of the privilege of attending two

\* Professors emeriti.

years only, will, nevertheless, be required to pass an examination in the subjects comprised in the three years' course.

Matriculated students who do not take the whole course are classed as Partial Students, and are not entitled to proceed to the Degree of B.C.L.

Occasional Students will be received without matriculation, for attendance on any particular series of Lectures.

Students who have completed their course of three years,—or of two years, if they have commenced in the third year of their indentures,—and have passed a satisfactory examination, will be entitled, upon the certificate and recommendation of the Faculty, to the Degree of Bachelor of Civil Law.

COURSE OF STUDY FOR 1889-90.

*Civil Law :*

Persons.....	}	Professor ROBIDOUX.
Property.....		
Ownership.....		
Gifts and Wills.....		
Substitutions, Marriage covenants.....		

*Roman Law :*

History of Roman Law.....	}	Professor HUTCHINSON.
Institutes of Justinian, Bk. I., Bk. II., and Bk. III. to Title 14.....		

*Civil Procedure :*

Code of Procedure, Arts. 483 to 899.....	Professor MCGOUN.
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*Constitutional Law.....* Professor ARCHIBALD.

*Civil Law :*

Lease and Hire.....	}	Professor LAREAU.
Life Rents.....		
Transaction.....		
Gaming Contracts.....		
Suretyship.....		
Pledge.....		

*Commercial Law :*

Merchant Shipping, Affreightment, Bills Lading, Insurance.....	Professor TRENHOLME.
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*Commercial Law :*

Bills and Notes.....	Professor DAVIDSON.
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## FACULTY REGULATIONS.

1. Any person desirous of becoming a Matriculated Student may apply to the Dean of the Faculty Prof. Trenholme, Temple Building, St James St., or the Registrar Prof. McGoun, 181 St James St., for examination and entry in the Register of Matriculation, and shall procure a ticket of Matriculation and tickets of admission to the Lectures for each Session of the Course.

2. Candidates for Matriculation shall pass an examination, satisfactory to the Faculty of Law, in Latin, French, English, Mathematics, and Ancient and Modern History, and the books upon which such examination shall be had shall be from time to time fixed by the Faculty.

The books at present prescribed are the following :

*Latin*.—Virgil, *Æneid*, Book I. ; Cicero, *Orations I. and II. against Catiline* Latin Grammar.

*French*.—De Fivas' "Grammaire des Grammaires ;" \*Molière, "Le Bourgeois Gentilhomme ;" †Translation into French of Macaulay's *Essay on Frederick the Great*.

*Exercises in Composition* and Grammatical Analysis, in English and French.

*Mathematics*.—Arithmetic ; Algebra to the end of simple equations ; Euclid, Books I., II., III.

*History*.—White's *Outline of Universal History* (or any equivalent manual), \*Green's *Short History of the English People* ; Miles' *School History of Canada* ; † Duruy, *Histoire de France*.

*Literature*.—\*Collier's *Biographical History of English Literature* ; † Laharpe, *Cours de Littérature* ; † Lefranc, *Cours de Littérature*.

*Rhetoric*.—Whately's *Rhetoric* ; Blair's *Lectures* (small edition).

*Philosophy*.—\*Whately's *Logic* ; † *Logique de Port Royal* ; † Cousin, *Histoires de la Philosophie* ; \*Stewart's *Outline of Moral Philosophy*.

N.B.—The works mentioned above preceded by an asterisk are for English Students only. Those preceded by a cross are for French Students only. The remainder are for both English and French.

3. Students in Law shall be known as of the First, Second and Third Years, and shall be so graded by the Faculty. In each year, Students shall take the studies fixed for that year, and those only, unless by special permission of the Faculty.

4. The Register of Matriculation shall be closed on the 1st November in each year, and return thereof shall be immediately made by the Dean to the Registrar of the University. Candidates applying thereafter may be admitted on a

special examination to be determined by the Faculty; and, if admitted, their names shall be returned in a supplementary list to the Registrar.

5. Persons desirous of entering as Occasional Students shall apply to the Dean of the Faculty for admission as such Students, and shall obtain a ticket or tickets for the class or classes they desire to attend.

6. Students who have attended Collegiate courses of study in other Universities, for a number of terms or sessions, may be admitted, on the production of certificates, to a like standing in this University, after examination by the Faculty.

7. All Students shall be subject to the following regulations for attendance and conduct:—

(1) A class-book shall be kept by each Professor and Lecturer, in which the presence or absence of Students shall be carefully noted; and the said class-book shall be submitted to the Faculty at a meeting to be held between the close of the lectures and the commencement of the examinations; and the Faculty shall, after examination of such class-book, decide which students shall be deemed to have been sufficiently regular in their attendance to entitle them to proceed to the examination in the respective classes.

(2) Punctual attendance on all the classes proper to his year is required of each student. Professors will note the attendance immediately on the commencement of their lectures, and will omit the names of Students entering thereafter, unless satisfactory reasons are assigned. Absence or tardiness, without sufficient excuse, or inattention or disorder in the Class room, if persisted in after admonition by the Professor, will be reported to the Dean of the Faculty, who may reprimand the Student or report to the Faculty, as he may decide. While in the building, or going to and from it, Students are expected to conduct themselves in the same orderly manner as in the Class rooms. Any Professor observing improper conduct in the Class-rooms, or elsewhere in the building, will admonish the student; and, if necessary, report him to the Dean.

(3) When Students are reported to the Faculty under the above rules, the Faculty may reprimand, report to parents or guardians, disqualify from competing for prizes or honours, suspend from classes, or report to the Corporation for expulsion.

(4) Any student injuring the furniture or building will be required to repair the same at his own expense, and will, in addition, be subject to such penalty as the Faculty may see fit to impose.

(5) The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session, shall in each case be determined by the Faculty.

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(6) All cases of discipline involving the interests of more than one Faculty, or of the University generally, shall be reported to the Principal, or, in his absence, to the Vice-Principal.

8. The College year shall be divided into two terms, the first extending to the Christmas vacation, and the second from the expiration of the Christmas vacation to the 10th of April following.

Unless altered by the Faculty, four professors shall deliver their courses of lectures during the first term, and three during the second term in each year. Each professor shall lecture daily during his course; but the Professors shall have the right to substitute an examination for any such lecture.

9. At the end of each term there shall be a general examination of all the classes, under the superintendence of the Professors, and of such other examiners as may be appointed by the Corporation; which examination shall be conducted by means of printed questions, answered by the students in writing in the presence of the Examiners. The result shall be reported as early as possible to the Faculty.

After the examinations at the close of the second term, the Faculty shall decide the general standing of the students, taking into consideration the examinations of both terms, both of which examinations shall be considered the Sessional or Final Examinations for the college year, as the case may be.

10. No Student shall be considered as having kept a Session unless he shall have attended regularly all the courses of Lectures, and shall have passed the Sessional Examinations to the satisfaction of the Faculty in all the classes of his year.

11. The Faculty shall have the power, upon special and sufficient cause shown to grant a dispensation to any Student from attendance on any particular Course or Courses of Lectures, but no distinction shall in consequence be made between the Examinations of such students and those of the Students regularly attending Lectures. No student shall pass for the degree of B.C.L. unless he has prepared a Thesis, either in French or English, which shall have been improved by the Faculty.

12. The subject of such Thesis shall be left to the choice of the Student, but it must fall within the range of study of the Faculty, and shall not exceed twenty pages of thirty lines each. Each Student shall, on or before the first day of March, forward such Thesis to the Registrar of the Faculty, marked with the *nom de plume* which he shall adopt, and accompanied with a sealed envelope, bearing the same *nom de plume* on it, and containing inside his name and the subject of his Thesis, and the envelope shall be opened in presence of the Faculty after the final decision shall be given on the respective merits of the several Theses.

13. The Elizabeth Torrance Gold Medal, in the Faculty of Law, shall be awarded to the Student who, being of the Graduating Class, having passed the Final Examinations, and having prepared a Thesis of sufficient merit in the estimation of the Faculty to entitle him compete, shall take the highest marks in a special Examination for the medal, which examination shall include the subject of Roman Law.

14. Every Candidate, before receiving the Degree of B.C.L., shall make the following declaration :

Ego A. B. polliceor, me, pro viribus meis, studiosum fore communis hujus Universitatis boni, operamque daturum ut decus ejus ac dignitatem amplificem, et officiis omnibus ad Baccalaureatus in Jure Civili gradum pertinentibus fungar.

15. The fees in this Faculty are as follows :

Matriculation Fee .....	\$ 5 00
Sessional Fee by Ordinary Students .....	36 00
Sessional Fee by Occasional or Partial Students, for each course .....	5 00
Graduation Fee, including registration as voter in election of fellows .....	12 50
Additional fee for Notarial Students .....	10 00

Matriculation and Sessional Fees must be paid on or before Nov. 1st ; and if not so paid, the name of the Student shall be removed from the books, but may be re-entered by consent of the Faculty, and on payment of a fine of not less than \$3, Students already on the books of the University shall not be required to pay any Matriculation Fee.

16. The Course of Lectures upon the Theory and Practice of Notarial Deeds and Proceedings is optional to candidates for the profession of law, but is compulsory upon candidates for the Notarial profession ; the latter may omit the subject of Civil Procedure.

17. Notarial students shall rank for general standing upon their examination in the notarial class, and failure to pass such examination shall have the same effect as failure in any other compulsory subject.

18. Occasional students may be admitted into said class on such terms as shall be arranged by the Faculty.

19. Every Candidate for the Degree of D.C.L. in course, under Chap. VIII., Section 4, of the Statutes of the University, shall be required to pass within four years from his graduation as B.C.L, such examination as shall be prescribed by the regulations of the Faculty of Law ; unless he shall have graduated as a B.A. of this University, either in Course or *ad eundem*. And not less than two months before proceeding to the Degree of D.C.L., the Candidate shall deliver to the Faculty of Law twenty-five printed copies of a Thesis or Treatise upon a subject selected or approved by the Faculty ; such Thesis to contain not less than twenty-

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five octavo pages of printed matter, and possessing such degree of literary and scientific merit as shall, in the opinion of the Faculty, justify them in recommending him for that Degree. And in addition to the foregoing qualifications, the Candidate shall pay to the Secretary of the Faculty annually during term, for the retention of his name on the Books of the Faculty, during the said period of twelve years, a fee of two dollars, to be added to the Library Fund of the Faculty.

Except as regards the Thesis, this regulation applies only to those who have taken the Degree of B.C.L. subsequently to October, 1873. The examination under the above rule is as follows :

(1) *International Law :*

Phillimore: Wharton, Conflict of Law; Fœlix, Droit International Privé.

(2) *Roman Law :—*

Gaii Commentarii, IV. ; Pauli Sententiæ ; Pomponii Fragmentum de origine juris, D. 1, 2 ; Novellæ Justiniani, cxxviii. cxxvii. ; Ortolan, Institute de Justinien, Vol. i. ; Mommsen's History of Rome.

(3) *Constitutional Law :—*

Hallam, Constitutional History of England ; May, Constitutional History of England ; Mill, Representative Government ; The British North America Act, and cases thereunder.

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### SYLLABUS.

Monday, 16th September, 1889, meeting of Faculty of Law.

Wednesday, 25th September. Supplemental and Matriculation Examinations, 4 to 6 p.m.

Saturday, 28th September. Meeting of Faculty of Law.

Tuesday, 1st October, 1889. Opening lecture, 8 p.m.

Wednesday, 2nd October. Ordinary Lectures, First Term, begin as follows :—

8.30 a.m. Prof. Hutchinson

4 p.m. " Robidoux

4.45 " " Lareau

5.30 " " Trenholme

Extending to Friday, 13 December, 1889.

*Christmas Examinations as follows :—*

Wednesday, 18th Dec., 1889, 4 to 6 p.m., Prof. Hutchinson.

Thursday, 19th Dec., 1889, 4 to 6 p.m., Prof. Robidoux.

Friday, 20th Dec., 1889, 4 to 6 p.m., Prof. Lareau.

Saturday, 21st Dec., 1889, 3 to 5 p.m., Prof. Trenholme.

Monday, 6th January, 1890. Lectures, Second Term, begin, as follows :—

8.30 a.m. Prof. McGoun

4.45 p.m. " Davidson.

5.30 " " Archibald.

Extending to Friday 28th March, 1890.

Saturday, March, 1st.—Theses for degree of B.C.L.

Saturday, April, 5.—Meeting of Faculty of Law.

*Sessional Examinations, as follow :—*

Saturday, 12th April, 1890, 3 to 5 p.m., Prof. McGoun.

Friday, 18th, 4 to 6 p.m. Prof. Davidson.

Saturday, 19th, 3 to 5 p.m., Prof. Archibald.

Friday, 25th April. Meeting of Faculty of Law.

Saturday, 26th April, Declaration of Results of Examination.

Tuesday, 29th April, Convocation for degrees in Law.

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# University School Examinations.

1890.

UNDER THE SUPERINTENDENCE OF MCGILL UNIVERSITY, MONTREAL, AND  
THE UNIVERSITY OF BISHOP'S COLLEGE, LENNOXVILLE, AND RECOGNISED BY  
THE PROTESTANT COMMITTEE OF THE COUNCIL OF PUBLIC INSTRUCTION.

## FOR CERTIFICATES OF THE UNIVERSITIES AND THE TITLE OF ASSOCIATE IN ARTS.

These Examinations are held in Montreal and at Lennoxville; and local centres may be appointed elsewhere on application to the Principal of either University, accompanied with the names of satisfactory Deputy Examiners, and guarantee for the payment of necessary expenses.

The Examinations are open to Boys or Girls, from any Canadian School.

### SUBJECTS OF EXAMINATION.

#### I. PRELIMINARY SUBJECTS.

<i>English Reading</i> .....	30	<i>Marks.</i>
<i>Writing</i> .....	30	do
<i>English Dictation</i> .....	50	do
<i>English Grammar including easy Analysis</i> .....	50	do
<i>Arithmetic</i> (all the ordinary rules, including square root) .....	100	do
<i>Geography</i> (acquaintance with the maps of each of the four continents, and of British North America) .....	50	do
<i>British History and Canadian History</i> .....	50	do

The Candidates will also be examined in the Gospels, unless objection be made thereto by their parents or guardians, and creditable answering in the same will be mentioned in the Certificate.

#### II. OPTIONAL SUBJECTS.

##### Section I. Languages.

###### *Latin* :—

Cæsar.—Bell. Gall. Bk. I.	}	150 marks.
Virgil.—Æneid, Bk. I. lines 1-300.		
Cicero.—In Catilinam, Oratt. I. and II.		

###### *Greek* :—

Xenophon.—Anabasis, Bk. I.	}	150 do
Homer.—Iliad, Bk. IV.		

###### *French* :—

Grammar, Dictation.	}	120 do
Davey's Lectures Françaises (selected extracts).		
Re-translation, English into French.		

*German* :—

Grammar.	}	120	do
Adler's Reader, Sections I. and II.			
Translation from German into English.			

**Section 2. Mathematics, Natural Philosophy, &c.**

*Geometry* :—

Euclid, I., II., III.....	150	do
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*Algebra* :—

Elementary Rules, Involution, Evolution, Fractions, Simple Equations.	}	150	do

*Plane Trigonometry.*

(As in Hamblin Smith, pp. 1-100, omitting Ch. XI.).	100	do
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*Natural Philosophy.*

Mechanics and Hydrostatics (as in any ordinary School Text Book).	}	100	do

<i>Geometrical and Freehand Drawing</i> .....	100	do
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*Geometrical.*—Vere Foster R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, problems 119 to 129.

*Freehand.*—Rules of Perspective. Drawing from the object.

**Section 3. English.**

*The English Language.*

Mason's Grammar, including derivation and omitting appendix.	}	120	do
Trench's Study of Words.			

*English Literature.*

English Literature, Primer by S. A. Brooke.*	}	120	do
Shakespeare, Julius Cæsar.			
Scott's Lady of the Lake.			

*History.*—(As in Primers of Greece and Rome, and either of the following, namely : Collier's great Events, or MacLear's Old and New Testament History).

<i>Geography.</i> —Physical, Political and Commercial .....	100	do
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**Section 4. Natural Science, &c.**

<i>Zoology</i> (as in Nicholson's Introductory Text-Book).....	100	do
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<i>Botany</i> (as in Gray's "How Plants Grow").....	100	do
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<i>Geology</i> (as in Dana's Text Book).....	100	do
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<i>Chemistry</i> (as in Remsen's Elements of Chemistry, pp. 1 to 160)	100	do
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<i>Physiology and Hygiene</i> .....	100	do
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\* For 1890 only.

## GENERAL REGULATIONS.

1. For the Certificate of ASSOCIATE IN ARTS, Candidates must pass in all the seven Preliminary Subjects, and also in the Optional Subjects contained in one of the three following groups :

*First.*—(a) Two Subjects of Section 1, one of them being Latin or Greek. (b) Geometry or Algebra of Section 2. (c) Two of the nine Subjects of Sections 3 and 4.

*Second.*—(a) French and German of Section 1. (b) Geometry or Algebra of Section 2. (c) Two Subjects of Section 3. (d) One Subject of Section 4.

*Third.*—(a) One Subject of Section 1. (b) Two Subjects of Section 2. (c) Three of the nine Subjects of Sections 3 and 4.

2. For the JUNIOR CERTIFICATE, Candidates must pass in all the seven Preliminary Subjects and also in the following Optional Subjects :

(a) One Subject of Section 1. (b) One Subject of Section 2. (c) One of the nine Subjects of Sections 3 and 4.

3. Candidates will not be considered as having passed in any subject, unless they have obtained at least *one-third* (and, in the case of Reading and Dictation, *two-thirds*) of the total number of marks obtainable in that subject.

4. The total number of Marks gained by every Candidate, in both the preliminary Subjects (except Reading and the Gospels) and Optional Subjects, shall be added up, and the Candidates arranged in order of merit in a printed list, at the close of the Examination ; those who are over 18 years of age on the first day of the examination being in a separate list. No marks in any subject shall be counted, unless the Candidate has gained at least the minimum number of marks required for passing in that subject. The marks in not more than three subjects of section 1, three subjects of section 2, and three subjects selected from sections 3 and 4, will be counted. Candidates taking one classical and one modern language may, instead of a third language, take an additional subject of section 4, with Geometrical or Freehand Drawing (150 marks in the aggregate). Candidates who take two modern languages may take an additional subject of section 4, with drawing as above, to be reckoned at 180 marks. Candidates taking one subject only of section 1 may take four subjects selected from sections 3 and 4.

5. Candidates who obtain at least *two-thirds* of the marks in any Optional Subject will be entitled to a Certificate of creditable answering in that Subject, provided they satisfy the conditions for either Associate in Arts or Junior Certificate.

6. Candidates who pass in the subjects of the University Matriculation Examinations may, without further examination, enter the Faculties of Arts and Applied Science.

7. Candidates who fail, or who may be prevented by illness from completing their examinations, may come up at the next examination without extra fee.

8. The Head Master or Mistress of each school must certify to the character and ages of the pupils sent up for examination.

9. The examinations will begin on Monday, June 2nd, at 9 a.m.

10. Lists of the names, ages, and Optional Subjects to be taken by the candidates, together with the fee of \$4 for each Candidate, must be transmitted to the Secretary of McGill University on or before May 1st. (Blank forms and copies of the Regulations will be furnished on application.)

Extracts from Darey's Lectures Françaises, for the examination of 1890.

Extracts beginning on pp. 10, 13, 15, 20, 32, 33, 37, 42, 47, 51, 56, 63, 68, 74, 76, 85, 87, 92, 94, 99, 103, 110, 118, 125, 129, 133, 144, 149, 151, 156, 158, 162, 166, 169, 176, 179, 182, 196, 215.

EXTRACT FROM THE REGULATIONS OF THE PROTESTANT COMMITTEE OF THE COUNCIL OF PUBLIC INSTRUCTION OF THE PROVINCE OF QUEBEC.

The examination papers for the University School Examinations shall be adopted for Grade III. of the Academies. The pupils of this grade shall be examined in the preliminary subjects, and in Group A, or Group B, of the optional subjects, as follows:—

OBLIGATORY.	OPTIONAL.	
PRELIMINARY.	GROUP A.	GROUP B.
1. Reading .....	1. Latin .....	1. French.
2. Writing .....	2. Greek, or Botany, or Chemistry.....	2. Geometry.
3. Dictation .....	3. Geometry.....	3. Algebra.
4. Grammar .....	4. Algebra.....	4. Trigonometry or Drawing.
5. Arithmetic.....	5. Drawing .....	5. English Literature.
6. Geography (Elementary).....	6. English Literature...	6. History.
7. British and Canadian History .....	7. History.....	7. Physiology and Hygiene.
	8. French.....	8. Botany or Chemis- try.
	9. Physiology and Hygiene.....	

The examination of Grade III. Academies shall be in accordance with the standard prescribed in the authorized course of study for that grade, and on passing in the same the pupils shall be recommended to the Universities for the title of Associates in Arts or for Junior Certificates.

NOTE.—No fees will be exacted for the examination of pupils of Academies under the control of the Protestant Committee, but in order to obtain the certificate from the Universities, the prescribed fees, viz.: \$4.00 for A. A. certificates, and \$2.00 for junior certificates, must be paid to the Secretary of the University Examiners.

The complete regulations of the Protestant Committee of the Council of Public Instruction with reference to these examinations may be obtained on application to the Rev. E. I. Rexford, Secretary, Department of Public Instruction, Quebec.

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# McGill Normal School.

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The McGill Normal School in the city of Montreal is established chiefly for the purpose of training teachers for the Protestant population, and for all religious denominations of the Province of Quebec other than the Roman Catholic. The studies in this school are carried on chiefly in English, but French is also taught.

## GOVERNMENT OF THE SCHOOL.

The Corporation of McGill University is associated with the Superintendent of Public Instruction in the direction of the McGill Normal School, under the regulations of the Protestant Committee of the Council of Public Instruction, and it is authorized to appoint a standing committee consisting of five members, called "The Normal School Committee," which shall have the general supervision of the affairs of the Normal School. The following members of the Corporation of the University constitute the Committee of the Normal School for the Session of 1889-90.

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## NORMAL SCHOOL COMMITTEE.

SIR WM. DAWSON, C.M.G., LL.D., F.R.S., Vice-Chancellor of the University, *Chairman.*

MR. SAMUEL FINLEY. }  
MR. GEORGE HAGUE. } Governors of McGill College.

REV. GEORGE CORNISH, LL.D. }  
J. R. DOUGALL, M.A. } Fellows of McGill University.

W. F. BRAKENRIDGE, B.C.L., *Acting Secretary.*

OFFICERS OF INSTRUCTION.

McGILL NORMAL SCHOOL.

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SAMPSON PAUL ROBINS, M.A., LL.D., *Principal and Ordinary Professor of Mathematics and Lecturer on Art of Teaching and Natural Science.*

GEORGE W. PARMELEE, ESQ., *Ordinary Professor of English Language and Literature, and Instructor in Classics.*

MADAME SOPHIE CORNU, *Professor of French.*

MR. R. J. FOWLER, *Instructor in Music.*

——— *Instructor in Elocution.*

MISS GREEN, *Instructor in Drawing.*

MISS ROBINS, *Assistant to the Principal.*

MR. W. H. SMITH, *Instructor in Tonic Sol-Fa.*

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MODEL SCHOOLS OF THE MCGILL NORMAL SCHOOL.

MR. THOS. B. SMILEY, *Head Master of Boys' School.*

MISS JANE A. SWALLOW, *Head Mistress of Girls' School.*

MISS LUCY H. DERICK, *Head Mistress of Primary School.*

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## ANNOUNCEMENT FOR THE SESSION 1889-90.

This Institution is intended to give a thorough training to teachers, by instruction and training in the Normal School itself, and by practice in the Model Schools; and the arrangements are of such a character as to afford the greatest possible facilities to Students from all parts of the Province.

The thirty-fourth Session of this school will commence on the second of September, 1889, and close on the thirtieth of May, 1890. The complete course of study extends over four years, and the Students are graded as follows:—

- 1.—*Elementary School Class*.—Studying for the Elementary School Diploma.
- 2.—*Model School Class*.—Studying for the Model School Diploma.
- 3.—*Academy Class*.—Studying for the Academy Diploma.

All the following regulations and privileges apply to male and female students alike.

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 I. TERMS OF ADMISSION.

*(Extracted from the Regulations of the Protestant Committee of the Council of Public Instruction.)*

Any British subject who produces a certificate of good moral character from the minister of the congregation to which he belongs, and evidence to show that he has completed the sixteenth year of his age, may be admitted to examination for entrance into the Elementary School Class, or, if he has completed his seventeenth year, to the entrance examinations of the Model School Class. (*See Note a.*)

Previous to admission to the Elementary School Class, every pupil-teacher shall undergo an examination as to his sufficient knowledge of reading, writing, the rudiments of grammar in his own language, geography, and arithmetic; before admission to the Model School Class he must give proof of his knowledge of the subjects of the previous year. Except as stated below, the examination shall take place before the Principal, or before such other person as he may specially appoint for the purpose. (*See Note b.*)

All candidates who present certificates of having passed in Grade III. Model School Course, and all holders of Elementary School diplomas, shall be exempt from examination for admission to the Elementary School Class. All candidates who have passed at the A. A. examinations, taking two-thirds of the aggregate marks, and who have passed in French, and all holders of Model School diplomas, shall be exempt from examination for admission to the Model School Class. Holders of Elementary School diplomas, desiring admission to the Model School Class, shall be examined in Algebra, Geometry and French only.

Candidates shall be admitted to examination for entrance only at the times regularly appointed by the Principal of the school at the beginning of the session. Candidates exempt from examination can only be admitted during the first week of the session, except that teachers who may be actually engaged in teaching at the commencement of the session may, at the discretion of the Principal, be admitted up to but not later than the close of the Christmas vacation. No teacher-in-training so admitted later than the first of October shall share in that part of the bursary fund which is distributed at Christmas.

In exceptional cases the Principal of the Normal School may admit on trial to the classes persons whose qualifications may be insufficient for entrance. Such persons may be excluded from the school by the Principal whenever he may judge it best so to do; but none shall be permitted to enter or to remain on trial after the semi-session examinations.

No candidate is admitted to the Normal School until the provisions of the school laws respecting admission have been fulfilled. (*Sæ Note c.*)

## II. PRIVILEGES OF TEACHERS-IN-TRAINING.

All teachers-in-training are entitled to free tuition.

At the close of the semi-session examination, the sum of \$400 from the bursary fund will be divided among the forty most successful pupils who do not reside at home with parents or guardians during their attendance at the school. Similarly the sum of \$800 will be divided at the close of the sessional examinations. The

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remainder of the bursary fund will be divided as an allowance for travelling expenses among Teachers-in-training residing in the Province of Quebec, at a distance of more than ninety miles from Montreal, in a proportion determined by the excess of distance above ninety miles, it being provided that no allowance for travelling expenses shall exceed ten dollars.

All teachers-in-training who pass the semi-sessional examinations in the Normal School with 60 per cent. of the total marks, and who have not fallen below 50 per cent. in any one of the groups of subjects, English, Mathematics, French and Miscellaneous, nor in any one of the subjects required by the Syllabus of Examination prescribed for diplomas of the grade to which they aspire, shall be entitled to continue in their classes after Christmas. Except by the special permission of the Principal, none others shall be entitled to this privilege, nor to a share in the Christmas bursary.

All teachers-in-training, who attain the standards defined above at the final examinations in the Normal Schools, shall be entitled to diplomas of the grade of the class to which they belong, and except with the concurrence of the Principal of the school and the professor of each subject in which there has been failure, none others shall receive diplomas or share in the bursary fund.

All holders of Elementary School diplomas obtained by reaching the standards defined above shall be entitled to admission to the Model School Class; none others, without the special permission of the Principal. Such holders of Elementary School diplomas, as have taken not less than 75 per cent. of the total marks, nor less than 60 per cent. of those in any subject essential to the diploma, according to the Syllabus of Examination of the Protestant Committee of the Council of Public Instruction, shall be entitled to admission among the "selected students" mentioned in the following paragraph, but others may be so admitted by the Principal. (*See Note d.*)

### III. STUDENTS FOR THE ACADEMY DIPLOMA.

1. The Normal School shall bring up selected students at the end of the Model School year to the examinations for the entrance into the first year of the Faculty of Arts of the Universities. They may be examined either at the examinations for the Associate in Arts in June,

or at those for the matriculation in autumn, and shall take the full course of study in the first and second years.

2. Such students shall be enrolled in the Normal School as students of the Academy Class, and shall be under the usual pledge to teach for three years. They shall engage in the practice of teaching at such times and in such schools as may be from time to time arranged by the Principal in consistence with their college work, and shall be under the Principal and the regulations of the Normal School.

3. On report of the colleges which such students may be attending, that they have passed creditably in the Christmas and sessional examinations respectively, they shall be entitled to bursaries, not exceeding thirty dollars per session, in aid of fees and board. Such bursaries may be paid by the Normal School Committee out of any fund available for the purpose.

4. On passing the intermediate, or equivalent, examination of the Universities, such students will be entitled to receive Academy diplomas, in accordance with the regulations of the Protestant Committee of the Council of Public Instruction for such diplomas.

5. Such students may, with the advice of the Principal, attend classes at McGill or its affiliated colleges, or at Bishop's College, and the Normal School Committee shall make such arrangements as may be possible for free tuition at such colleges.

6. It shall be competent to the Principal of the Normal School to provide any tutorial assistance that may in his judgment be necessary for Academy students. Also, it shall be his duty in the case of optional studies to select for the students those required for the curriculum of the Normal School.

7. It shall be competent to students who have taken Academy diplomas as above to continue for two years longer at the University, or to return thereto after teaching for a time, in order to take the degree of Bachelor of Arts; but they shall be held bound to fulfil their engagements to teach, and they shall not be entitled to bursaries. (*See Note e.*)

Holders of Model School Diplomas of the McGill Normal School, who are certified by the Principal of the Normal School to have taken 75 per cent. of the total marks at their final examinations,

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with not less than 60 per cent. of the marks in Mathematics, French, Latin and Greek respectively, shall be admitted without further examination to the first year in Arts of the McGill University; but all such Students must make good their standing in the University at the Christmas examinations.

Teachers-in-training who do not attain the standard defined above must, in order to enter the University, pass the usual examination for Matriculation.

Exemption from the payment of fees in McGill College for the first year will be granted to the three holders of Model School Diplomas, not being resident in Montreal, who, of all those entering the University on the conditions stated above, have gained the highest aggregate of marks at their final examinations in the Normal School, as certified by the Principal of the Normal School.

Exemptions from fees in the second year will be granted to the three students entering from the Normal School who, with creditable standing in all their examinations at the close of the first year in Arts, have taken the highest aggregate of marks of any Normal School Students of their year.

#### IV. CONDITIONS OF CONTINUANCE IN THE NORMAL SCHOOL.

Teachers-in-training guilty of drunkenness, of frequenting taverns, of entering disorderly houses or gambling houses, or keeping company with disorderly persons, or committing any act of immorality or insubordination, shall be expelled. (*See Note c.*)

Each professor shall have the power of excluding from his lectures any student who may be inattentive to his studies, or guilty of any minor infraction of the regulations, until the matter can be reported to the Principal.

#### V. ATTENDANCE ON RELIGIOUS INSTRUCTION.

Teachers-in-training will be required to state with what religious denomination they are connected; and a list of the students connected with each denomination shall be furnished to one of the ministers of such denomination resident in Montreal, with the request that he will meet weekly with that portion of the teachers-in-training, or otherwise provide for their religious instruction. Every Thursday after four o'clock will be assigned for this purpose.

In addition to punctual attendance at weekly religious instruction, each student will be required to attend public worship at his own church at least once every Sunday.

#### VI. BOARDING HOUSES.

1. The teachers-in-training shall state the place of their residence ; and those who cannot reside with their parents will be permitted to live in boarding houses, but in such only as shall be specially approved of. No boarding houses having permission to board male teachers-in-training will be permitted to receive female teachers-in-training as boarders, and *vice versa*. (See Note g.)

2. They are on no account to be absent from their lodgings after half-past nine o'clock in the evening.

3. They will be allowed to attend such lectures and public meetings only as may be considered by the Principal conducive to their moral and mental improvement.

4. A copy of the regulations shall be sent to all keepers of lodging-houses at the beginning of the session.

5. In case of lodgings being chosen by parents or guardians, a written statement of the parent or guardian shall be presented to the Principal.

6. All intended changes of lodgings shall be made known beforehand to the Principal or to one of the professors.

7. Boarding-houses shall be visited monthly by a committee of professors.

8. Special visitations shall be made in case of sickness being reported, either by professors or by ladies connected with the school ; and, if necessary, medical attendance shall be procured.

9. Students and lodging-house keepers are required to report, as soon as possible, all cases of serious illness, and all infractions of rules touching boarding-houses.

#### VII. ACADEMY DIPLOMAS.

*Granted under the regulations of the Protestant Committee of the Council of Public Instruction.*

Graduates in Arts from any British or Canadian University, who have passed in Latin and Greek in the Degree Examinations, or

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who have taken at least second class standing in Latin and Greek at their Intermediate Examination, shall be entitled to receive first class Academy diplomas, provided that they have also taken either (a) the regular course in the Art of Teaching at the McGill Normal School (or other public training institution outside the Province approved by the Protestant Committee), or (b) a first class standing in the special professional examination provided for such graduates by the McGill Normal School. Such aforesaid graduates as take only second class standing in the special professional examination of the foregoing sub-section (b) shall be entitled to second class Academy diplomas only.

Teachers taking Academy diplomas in course from the McGill Normal School, who take at least second class standing in Latin and Greek in the Intermediate Examination of the Universities, shall be entitled to receive first class Academy diplomas, otherwise their diplomas shall be second class.

Teachers who hold (a) Academy diplomas granted before the first July, 1836, or (b) second class Academy diploma granted under these regulations, and who produce satisfactory proof to the Protestant Committee that they have taught successfully for at least ten years, shall, when recommended by the committee, be entitled to receive first class Academy diplomas.

Any candidate who presents to the Principal of the McGill Normal School, (a) the requisite certificates of age and of good moral character according to Form No. 1, and (b) satisfactory certificates that he has complied with either of the foregoing regulations, shall be recommended by him to the Superintendent of Public Instruction, for an Academy diploma of the class to which he is entitled under these regulations.

The examination of Bachelors of Arts and of members of graduating classes, who are candidates for Academy diplomas, shall be held in the McGill Normal School, on or after the 15th of May each year, and the results shall be declared at the close of the Normal School Session in May. (*See Note f.*)

The Principal of the school is authorized to send examination papers, based on the syllabus given in Reg. 59, to the University of Bishop's College for the use of students in the graduating class, and such students shall receive their diplomas on their graduating.

The period of study in the Model School for such candidates shall be fixed from time to time by the Principal, and shall extend over at least four weeks. \* Candidates who produce certificates that they have taught successfully for at least one year may be exempted from attendance at the Model School.

The results of the examination must show that the candidate has a competent knowledge :

1. Of the School Laws of the Province and of the regulations made by the Protestant Committee of the Council of Public Instruction, in so far as these refer to the duties of teachers.

2. Of the aim and possible attainment of school life, of the annual progress to be expected, of the best classification and the best arrangement of school duties tending to this end, and of the mode of recording all facts representing the attendance and progress of pupils that may be necessary.

3. Of discipline, and, in relation to it, the teacher, the parents, the pupils, rewards, punishments, and the formation of the habit of instinctive obedience.

4. Of the best methods of imparting knowledge ; how to fix it in the memory, how rightly to govern a class in receiving knowledge, and how to conduct a successful class recitation, together with the methods of instruction in each important branch of school work.

5. Of methods of using books aright, and of investigating truth by weighing evidence and by using the senses as instruments of research.

6. Of the physical, mental and moral constitution of the child, and the demands that society will hereafter make upon him.

To prepare for such an examination, the candidate should carefully weigh his own experiences as a learner, should closely examine the methods in vogue in a good school, and should add to the impressions received from his general reading the results of studying the text-books on School Management and School Methods, prescribed for the Academy diploma, a thorough knowledge of which will be required.

\* Bachelors of Arts will observe that the Principal of the Normal School has no power to dispense with this condition. Students in Arts about to graduate, and desirous of securing the Academy diploma of the Normal School, are recommended to arrange with the Principal for fulfilling this condition during the earlier part of the Session.

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These books are Baldwin's Art of School Management and Gladman's School Methods.

## FORM No. 1.

"This is to certify that I, the undersigned, have personally known and had opportunity of observing..... for the ..... last past, that during all such time *his* life and conduct have been without reproach; and I affirm that I believe *him* to be an upright, conscientious, and strictly sober *man*."

*This certificate must be signed by the Minister of the Congregation to which the Candidate belongs, and by two School Commissioners or Trustees or Visitors.*

## VIII. NOTES ON THE PRECEDING REGULATIONS.

*Chiefly extracted from the By-Laws of the McGill Normal School.*

(a) On application to the Principal of the School, candidates for admission will be furnished with forms of application, containing the required forms of certificate of good character and of agreement to teach for three years in some public School in the Province of Quebec.

(b) Teachers-in-training admitted to the Elementary School class at the beginning of a session must be able to parse correctly a simple English sentence; to write a neat dictation from any school reader, with no more than five per cent. of mistakes in spelling, in the use of capitals and in the division of words into syllables, to give the names and state the position of the continents, of the oceans, of the greater islands, peninsulas, capes, mountains, gulfs, bays, straits, lakes, and rivers, and of the chief political divisions and most important cities of the world; and to work correctly examples in the simple rules of arithmetic and in fractions.

(c) Teachers in-training are expected to give their whole time and attention to the work of the school, and are not permitted to engage in any other course of study or business during the session of the school.

There shall be no intercourse between male and female teachers-in-training while in school, or when going to or returning from it. Teachers of one sex are strictly prohibited from visiting those of the other.

Teachers-in-training who leave the Normal School in the middle of a session are expected to assign to the Principal satisfactory reasons, accompanied in case of failure of health by medical certificates.

(d) The J. C. Wilson prize of forty dollars and a book, annually chosen by the donor, shall be given to that teacher-in-training of the Elementary School class who passes for a diploma, and takes the highest aggregate of marks at the final examination of the year.

The Prince of Wales' medal and prize shall be given to that teacher-in-training of the Model School class who passes for the diploma, and takes the highest aggregate of marks at the final examination of the year.

The Lord Stanley silver medal shall be given to that teacher-in-training of the Academy class, who at the University Intermediate Examinations has passed for a diploma with the highest aggregate of marks. If in any year there are teachers-in-training in two Universities, the Principal of the Normal School, in view of the examinations set, and of the number of marks reported for each examination, shall determine to whom this medal shall be awarded.

(e) In order to be recognized as teachers-in-training for the Academy diploma, students who have fulfilled the conditions stated in the regulations of the Protestant Committee of the Council of Public Instruction must apply at the beginning of each collegiate year to the Principal of the Normal School for enrolment, and for certificates of enrolment to be presented to the Dean of the Faculty of Arts. Having entered college, they must report to the Principal of the Normal School from time to time as he may require; and must furnish him with certificates of having successfully passed their several examinations, without which certificates, signed by the Dean of the Faculty or his representative, no bursaries shall be paid.

(f) The date of the examination of graduates in Arts for Academy diplomas shall be the 20th day of May, or the school day next succeeding that date; the hours shall be from 10 a.m. to 12 noon.

(g) No boarding house is attached to the institution, but every care will be taken to ensure the comfort and good conduct of the Students in private boarding houses approved by the Principal, who will furnish lists to applicants for admission. Board can be obtained at from \$12 to \$16 per month.

#### IX. COURSE OF STUDY.

N. B.—The subjoined Course of Study has been designed, and all instruction in it is given, with express reference to the work of teaching.

In addition to the work of the School carried on by its regular professors, as detailed in the subjoined course of study, arrangements have been made by which lectures on School Law will be delivered by Rev. E. I. Rexford, B. A., Secretary of the Department of Public Instruction; on Botany, by Professor Penhallow, B. Sc.; and on Physiology and Hygiene by Thomas Reed, Esq., M. D.

#### I. ELEMENTARY SCHOOL CLASS, STUDYING FOR THE ELEMENTARY SCHOOL DIPLOMA.

With the view of accommodating teachers actually in charge of schools at the commencement of the Session, and whose previous education may enable them to enter at a more advanced period, the course of study in this class is divided into terms, as follows:—

FIRST TERM, from September 1st to December 3rd.

(Entrance examination as stated above).

*English.*—The structure of sentences, Orthography and orthoepy. Penmanship. The study of Milton's L'Allegro.

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*Geography.*—General view of continents and oceans. Map of North America with special reference to the Dominion.

*History.*—Outline of general and sacred history.

*Arithmetic.*—Simple and compound rules.

*Algebra.*—The elementary rules.

*Geometry.*—Elementary Notions.

*French.*—Darey's Principes de Grammaire Française to page 50, with verbs of first conjugation. Méthode Berlitz.

*French Geography.*—Eléments de Géographie Moderne, Amérique.

*Botany.*—Lectures.

*Chemistry.*—Lectures.

*Reading and Elocution.*

*Drawing.*—Elements, simple outlines and map drawing.

*Music.*—Vocal music with part songs. Junior Certificate of Tonic Sol-Fa College.

*Art of Teaching.*—Lectures on the principles of education, especially on those derived from the mental and moral nature of the child.

SECOND TERM, January 6th to end of Session.

(No pupils will be received after the commencement of this term. Those who enter must pass the examination of the class in the work detailed above.)

*English.*—Structure of words and sentences. Etymology, derivation and syntax. Study of Milton's Il Penseroso and of Goldsmith's Deserted Village.

*Geography.*—Contour, elevations, river systems, political divisions and chief cities of South America and of the Old World, with special reference to the British Islands.

*History.*—England.

*Arithmetic.*—Fractions, Decimals, Proportion, Interest, Properties of numbers, Mensuration.

*Book-keeping.*—Single Entry.

*Algebra.*—Simple equations of one unknown quantity with problems.

*Geometry.*—First book of Euclid, with deductions.

*Art of Teaching.*—Lectures on the principles of education, especially on those derived from the mental and moral nature of the child.

*French.*—Principes de Grammaire Française, page 100, with verbs regular and irregular. Méthode Berlitz.

*French History.*—Histoire de France.

*French Geography.*—Europe.

*Botany.*—Lectures.

*Physiology and Hygiene.*—Lectures.

*Reading and Elocution.*

*Drawing.*—Freehand drawing from the solid, and elements of perspective.

*Music.*—Elements of vocal music and part songs. Elementary Certificate of Tonic Sol-Fa College.

*Practice in Teaching* in the McGill Model Schools, as directed by the Principal.

*Religious Instruction* will be given throughout the Session.

In addition to the text-books named above, each student of the Elementary School Class must be provided with an English Grammar, an English History, an Atlas of recent date, an Arithmetic, an Algebra, and a Euclid.

## 2. MODEL SCHOOL CLASS, STUDYING FOR THE MODEL SCHOOL DIPLOMA.

*Students entering the school in this second year must have passed a satisfactory examination in the subjects of the Elementary School Class. The Class will pursue its studies throughout the Session, without division into terms.*

*English.*—Principles of grammar and composition. Style. History of the English language. Study of Shakespeare's *Tempest*, Scott's *Lady of the Lake*.

*Geography.*—Mathematical and physical. Use of the globes.

*History.*—Rome, Canada.

*Art of Teaching.*—Lectures on the principles of education, especially on those derived from the mental and moral nature of the child.

*Arithmetic.*—Commercial arithmetic. Logarithms.

*Book-keeping.*—Double Entry.

*Algebra.*—Equations of more than one unknown quantity, and quadratics.

*Geometry.*—Second, third and fourth books of Euclid, with application to mensuration.

*Object Lessons.*

*Latin.*—Grammar, Cæsar Gallic War.

*Greek.*—Optional to students sufficiently advanced.

*French.*—Translation from French into English, and from English into French, Worman's French Grammar, Lectures Françaises, Méthode Berlitz, Canadian History, L'Histoire du Canada par Miles, French Geography.

*Agricultural Science.*—Principles, especially chemical and botanical, and application to Canadian agriculture.

*Elocution.*

*Drawing.*—Elements of perspective, drawing from the cast and map drawing.

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*Music.*—Instrumental music, part songs, and rudiments of harmony. Intermediate Certificate of Tonic Sol-Fa College.

*Practice in Teaching.*—In the McGill Model Schools, as directed by the Principal.

*Religious Instruction* throughout the Session.

Such students as, from their conspicuous ability and preparation, may be selected to enter the Academy Class of the Normal School, will, in addition to the work given above, read Xenophon, Anabasis, Book I., and Virgil, Æneid, Book I., with special attention to Greek and Latin Grammar.

In addition to the text-books named above, each student of the Model School Class must be provided with an English Grammar, a History of Canada, a History of Rome, an Arithmetic, an Algebra, a Euclid, and Dawson's Scientific Agriculture.

### 3. ACADEMY CLASS, STUDYING FOR THE ACADEMY DIPLOMA

Will follow for two years the course of McGill University and its affiliated colleges, or that of Bishop's College, Lennoxville, being enrolled on the books of the Normal School, and, if residents of the country, receiving a bursary from the Normal School not exceeding \$30 per annum, and such tutorial assistance as may be deemed necessary. Such students must take in their courses such options only as are approved by the Principal of the Normal School.

The course for the current year in McGill College, for first year students, is :—

*Greek.*—Odyssey, Books XXI to XXIV. (Selections).

*Latin.*—Cicero. Select letters. Virgil, Book IX.

*English Language and Literature.*—Analysis and Composition. Milton's Comus and Bacon's Essays. Lectures on English Literature.

*French.*—Darey. Principes de Grammaire Française. La Fontaine, Les Fables, livres I. and II. Molière, L'Avare. Dictation and Colloquial exercises.

*Mathematics.*—Arithmetic. Euclid, six Books. Algebra to end of quadratics Plane Trigonometry.

*Chemistry.*—Lectures illustrated by experiment on chemical theories and laws, and on the more important elements and compounds.

The course for second year students is :—

*Greek.*—Euripides, Medea.

*Latin.*—Horace, Epistles, Book II. Tacitus, Germania.

*French.*—Ponsard, L'Honneur et l'Argent. Racine, Phèdre. Contanseau, Précis de Littérature Française. Dr. Johnson, Rasselas.

*English Literature.*—Shakspeare, A Mid-summer Night's Dream. Lectures

*Psychology and Logic.*—Murray's Hand-book of Psychology. Jevons' Elementary Lessons in Logic.

*Botany.*—Text-books, Gray and Bessey.

The course in Bishop's College for the current year is :—

*Greek.*—Æschylus, Prometheus, Plato, Crito.

*Latin.*—Horace, Odes II ; Sallust Jugurtha.

*English.*—Rhetoric and Grammatical Analysis, with a course of Lectures on English Literature.

*History.*—Greek and Roman.

*French.*—Translation, Grammar and Composition.

*Mathematics.*—Euclid, Books 1, 2, 3, 4 and 6. Algebra to Progressions. Arithmetic.

*Physics.*—Balfour Stewart's Elementary.

#### MODEL SCHOOLS OF THE MCGILL NORMAL SCHOOL.

Boys' School.—Thomas B. Smiley, *Head Master*.

Selina Sloan,  
Elizabeth Reid, } *Assistants.*

Girls' School.—Jane E. Swallow, *Head Mistress*.

Mary J. Peebles,  
Louisa McNaughton, } *Assistants.*

Primary School.—Lucy H. Derick, *Head Mistress*.

Marion Taylor, *Assistant.*

These Schools can accommodate about 300 pupils, are supplied with the best furniture and apparatus, and conducted on the most modern methods of teaching. They receive pupils from the age of six and upwards, and give a thorough English Education. Fees, Boys' and Girls' Model Schools, \$1 to \$1.50 per month ; Primary School, 75c. ; payable monthly in advance.

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Barnard,  
Clerk, R.

Aylen, W.  
Booth, J.  
Brown, G.  
Campbell  
Creasor,  
Delaney.  
England,  
Esson, F.  
Garrow,  
Gemm, H.  
Holmes,  
Hopkins,  
Hubert, P.  
Irwin, W.  
Kerr, N.  
Low, D.  
Martin, J.  
Mathieson  
Morehouse

Alexander  
Ault, C.  
Beers, A.  
Bennie, R.  
Booth, J.  
Bowie, R.

# Passed the University Examination.

SESSION 1888-9.

## FACULTY OF LAW.

PASSED FOR THE DEGREE OF B.C.L.

Barnard, Charles A., Clerk, Ronzo H.,	Montreal   Topp, Francis, Montreal	Montreal
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## FACULTY OF MEDICINE.

PASSED FOR THE DEGREE OF M.D., C.M.

(Arranged Alphabetically.)

Aylen, W. W., Aylmer, Que.	Mowat, M. M., Williamstown, Ont.
Booth, J. S., Montreal, Que.	Muirhead, D. A., Carleton Place, Ont.
Brown, G. A., Charlottetown, P.E.I.	Murray, D. A., Black Meadows, N.S.
Campbell, G. G., B.Sc., Truro, N.S.	McCurdy, T., Ormstown, Que.
Creasor, J. A., B.A., Owen Sound, Ont.	McDonald, A., Iroquois, Ont.
Delaney, W. J., Peterboro', Ont.	McDonald, H. N., Laggan, Ont.
England, W. S., Dunham, Que.	McDonald, G., Renfrew, Ont.
Esson, F. G., Halifax, N.S.	McDonald, P. A., Alexandria, Ont.
Garrow, A. E., Ottawa, Ont.	McEwen, H., Carleton Place, Ont.
Gemmell, E. W., Almonte, Ont.	McIntosh, D.H., Carleton Place, Ont.
Holmes, A. D., Chatham, Ont.	McKercher, H., Stittsville, Ont.
Hopkins, F. A., Cookshire, Que.	McKinnon, T. H., Lockport, N.S.
Hubert, P. T., Harbor Breton, Nfld.	McLennan, A. A., Indian River, P.E.I.
Irwin, W. T., Pembroke, Ont.	Philp, W. S., Montreal, Que.
Kerr, N., Holyrood, Ont.	Shanks, A. L., Huntingdon, Que.
Low, D., Palmerston, Ont.	Vipond, A. E., Montreal, Que.
Martin, J. M., Brown's Creek, P.E.I.	Wheeler, C. L., B.A., Montreal, Que.
Mathieson, C. S., Harrington, P.E.I.	Whyte, J. J., Lancaster, Ont.
Morehouse, O. E., Gibson, N.B.	Wylde, C. F., Halifax, N.S.

PASSED THE PRIMARY EXAMINATION.

Alexander, W. W.	Brown, W. A.	Fletcher, R. W.
Ault, C. A.	Busby, J.	Gibson, R. J.
Beers, A. H.	Calkin, B. H.	Gorrell, A. S.
Bennie, R.	Clemesha, J. C.	Grafton, E. A.
Booth, J. S.	Dewar, Alex.	Greene, T. J.
Bowie, R. A.	Farwell, W. A.	Hamilton, W. F.

Farris, N. M.  
 Harrison, J. D.  
 Hattie, W. H.  
 Hayes, John  
 Hubert, P. T.  
 Internoscia, Antonio  
 Jenkins, W. E.  
 Keir, E. J.  
 Kelly, C. I.  
 Kemp, H. D.  
 Lambert, E. M.  
 Love, A.

Lovering, W. T.  
 Mader, A. I.  
 Martin, M. McL.  
 Morrow, W. S.  
 Mulligan, E. A.  
 McCrimmon, A. A.  
 McMillan, J. H.  
 McGuire, J. C.  
 O'Connor, C.  
 Oliver, A. J.  
 Parke, G. H.  
 Patton, H. M.

Robertson, E. A.  
 Robertson, T. F.  
 Smith, C. F.  
 Sparling, A. J.  
 Speir, J. R.  
 Troy, W.  
 Tunstall, A.  
 Webster, R. E.  
 Williamson, H. M.  
 Williamson, W. P.  
 Woodruff, E. H.

Class I.

Class II.

Class II.

BA

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## FACULTY OF ARTS.

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### GRADUATING CLASS.

PASSED FOR THE DEGREE OF B.A.

*In Honours.*

(Alphabetically arranged.)

*First Rank.*—DEEKS, WILLIAM.

GIBSON, WILLIAM D

REID, HELEN R. Y.

ROBERTSON, JAMES.

SQUIRE, MAUDE M.

TRUPELL, HARRY V.

WILSON, ALICE MAUDE.

Class I.-

Class II.

*Second Rank.*—NONE.

*Third Rank.*—NONE.

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*Ordinary.*

(In Order of Merit.)

*McGill College.*

Class III

*Class I.*—STEVENSON, JAMES H.

*Class II.*—{ MACKENZIE, ROBERT T.  
 MEIGHEN, F. S.

JAMIESON, WALTER L.

WALSH, THOMAS N.

HOLDEN, DONALD B.

*Class III.*—READ, F. W.

GARTH, WILLIAM H.

MCCUSKER, S. F.

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*Aeger.*—ROGERS, WILLIAM.

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*Morrin College.**Class I.*—WHITELAW, JAMES M.*Class II.*—ROBERTSON, ADAM.

SMITH, GEORGE H.

SLOANE, EDITH J.

MACLEOD, EUPHEMIA.

*Class III.*—NONE.

## BACHELORS OF ARTS PROCEEDING TO THE DEGREE OF M.A. IN COURSE.

MCGOUN, ARCHIBALD, B.A.

BARLOW, ALFRED E., B.A.

PATTERSON, WILLIAM, B.A.

ADMITTED TO THE DEGREE OF LL.D., "*Honoris Causâ.*"

GEORGE STEWART, D.C.L.

## PASSED THE INTERMEDIATE EXAMINATION.

*McGill College.**Class I.*—GUNN, WILLIAM THOS.

LEROSSIGNOL, W. J.

MCGREGOR, JOHN M.

WARNE, JAMES F.

PATISON, MARY L.

HENDERSON, WILLIAM A.

*Class II.*—ELLENWOOD, WILLIAM R.

HIPPI, E. G.

OLIVER, WILLIAM.

MCGREGOR, E. B.

HALL, BESSIE.

WHYTE GEORGE.

ORTON, RICHARD S.

*Class III.*—REEVES, ARCHIBALD C

SMITH, LOUISE.

WARNE, WILLIAM A.

MCALPINE, JOHN J.

HAMILTON, DAN. S.

MCMILLAN, HELENA.

YOUNG, H. C.

CRAN, GALEN.

COLE, ARTHUR A. s,

DOBSON, JOHN R. s,

GUTHRIE, DONALD. s,

MCDUGALL, G. W. s,

MOFFATT, EVA L. s,

TEES, JOHN. s,

s—With Supplemental Examination on one subject.

*Morrin College.*

*Class I.*—PIGEON, GEORGE CAMPBELL.

*Class II.*—BROWN, MARTHA L.

*Class III.*—MACLEOD, F. G.

LINDSAY, JOHN. *s.*

LIVINGSTONE, NEIL. *s.*

WEBB, JAMES D. *s.*

*s.*—With Supplemental Examination on one subject.

*St. Francis College.*

*Class I.*—BANNISTER, ALICE.

*Class II.*—MCLEAY, A. A.

*Class III.*—NONE.

FACULTY OF APPLIED SCIENCE.

PASSED FOR THE DEGREE OF BACHELOR OF APPLIED SCIENCE.

**Civil Engineering** (*Advanced Course.*)

IN ORDER OF MERIT.

Allan Wilmot Strong, John Holden Antliff.

**Civil Engineering** (*Ordinary Course.*)

IN ORDER OF MERIT.

Allan Wilmot Strong, Peter Lawrence Naismith; John Holden Antliff and Murdy John McLennan, equal; George Kyle Addie, Malcolm C. McFarlane.

**Mechanical Engineering** (*Advanced and Ordinary Courses.*)

James Preston Tuplin.

**Practical Chemistry.**

IN ORDER OF MERIT.

George Morse Edwards, Milton Lewis Hersey, Andrew Young.

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McDonald  
(1st year),

# Scholarships and Exhibitions.

SESSION 1888-89.

## FACULTY OF ARTS.

### I. SCHOLARSHIPS (Tenable for two years).

Year of Award.	Names of Scholars.	Subject of Examination.	Annual Value.	Founder or Donor.
1887	Gibson, W. D.	Nat. Science.	\$125	W. C. McDonald.
1887	Truell, H. V.	Class. & Mod. Lang	125	W. C. McDonald.
1887	Deeks, W. E.	Class. & Mod. Lang	120	Chas. Alexander.
1888	Tory, H. M.	Mathematics.	125	W. C. McDonald.
1888	Nicholls, A. G.	Class. & Mod. Lang	125	W. C. McDonald.
1888	MacDougall, Robert.	Class. & Mod. Lang	120	Chas. Alexander.
1888	Sutherland, H. C.	Nat. Science.	125	W. C. McDonald.

### II. EXHIBITIONS (Tenable for one year).

NAMES OF EXHIBITIONERS.	Academic Year.	Annual Value.	Founder or Donor.
Daley, James.	Third	\$125	W. C. McDonald.
Mack, Silas W.	"	100	Major Mills.
Le Rossignol, W. J.	Second	125	George Hague.
*Kollmyer, W. H.	First	125	W. C. McDonald.
*Wood, Arthur B.	"	125	W. C. McDonald.
*Robins, George D.	"	125	W. C. McDonald.
*Archibald, E. W.	"	100	Mrs. Redpath.
Ryan, Percy C.	"	100	Mrs. Redpath.

\* The Governor-General's exemptions from Sessional Fees for four years were awarded to the students thus indicated.

*Bursaries* were awarded as follows:—To Gunn, W. T. (2nd year), a McDonald Bursary of \$62.50; to Mitchell, R. (1st year), and Cushing, H. B. (1st year), Major Mills' Bursaries of \$50 each.

# Prizes, Honours and Standing.

SESSION 1888-89.

## FACULTY OF LAW.

### GRADUATING CLASS.

*First Rank Honors and Elizabeth Torrance Gold Medal.*—RONZO H. CLERK.

*First Rank Honors and Second Prize for General Proficiency and Prize for Thesis.*

—FRANCIS TOPP.

### *Passed the Sessional Examination.*

BARNARD, CHARLES A.

CLERK, RONZO H.

TOPP, FRANCIS.

### *Standing in Several Classes.*

INTERNATIONAL LAW.—Professor TRENHOLME.

First, TOPP.

Second, CLERK.

ROMAN LAW.—Professor HUTCHINSON.

First, CLERK and TOPP, equal.

CRIMINAL LAW.—Professor ARCHIBALD.

First, TOPP.

Second, CLERK.

LEGAL HISTORY AND CIVIL LAW.—Professor LAREAU

First, CLERK and TOPP, equal.

CIVIL LAW.—Professor FORTIN.

First, CLERK.

Second, TOPP.

COMMERCIAL LAW.—Professor DAVIDSON.

First, TOPP.

Second, CLERK.

CIVIL

First Rank

Second Rank

INTER

ROMAN

CRIMINAL

LEGAL

CIVIL

CIVIL

COMMERCIAL

## CIVIL PROCEDURE.—Professor MCGOUN.

First, CLERK.

Second, TOPP.

## SECOND YEAR.

*First Rank Honors and First Prize for General Proficiency.*—W. A. KNEELAND.*Second Rank Honors and Second Prize.*—D. H. GIROUARD.*Passed the Sessional Examination.*

WARREN ANDERSON KNEELAND.

DESIRÉ HOWARD GIROUARD.

GEORGE P. ENGLAND.

ALBERT E. HARVEY.

THOMAS J. VIPOND.

J. D. L. AMBROSE.

*Standing in the Several Classes.*

## INTERNATIONAL LAW.—Professor TRENHOLME.

First, KNEELAND.

Second, HARVEY.

## ROMAN LAW.—Professor HUTCHINSON.

First, KNEELAND, GIROUARD and HARVEY, equal.

## CRIMINAL LAW.—Professor ARCHIBALD.

First, ENGLAND.

Second, VIPOND.

## LEGAL HISTORY AND CIVIL LAW.—Professor LAREAU.

First, KNEELAND and GIROUARD, equal.

## CIVIL PROCEDURE.—Professor MCGOUN.

First, KNEELAND.

Second, GIROUARD and ENGLAND, equal.

## CIVIL LAW.—Professor FORTIN.

First, KNEELAND.

Second, GIROUARD.

## COMMERCIAL LAW.—Professor DAVIDSON.

First, KNEELAND.

Second, GIROUARD.

## FIRST YEAR.

*Second Rank Honors and Prize.*—FRANCIS JOSEPH HATCHETTE.

*Passed the Sessional Examinations.*

F. J. Hatchette, Victor Geoffrion, Frederick W. Hibbard.

*Standing in the Several Classes.*

INTERNATIONAL LAW.—Professor TRENHOLME.

First, HATCHETTE.

Second, HIBBARD.

ROMAN LAW.—Professor HUTCHINSON.

First, HATCHETTE.

Second, GEOFFRION.

CRIMINAL LAW.—Professor ARCHIBALD.

First, HATCHETTE.

Second, GEOFFRION.

LEGAL HISTORY AND CIVIL LAW.—Professor LAREAU.

First, HATCHETTE.

Second, HIBBARD.

CIVIL PROCEDURE.—Professor MCGOUN.

First, HATCHETTE.

Second, HIBBARD.

CIVIL LAW.—Professor FORTIN.

First, HATCHETTE.

Second, GEOFFRION.

COMMERCIAL LAW.—Professor DAVIDSON.

First, HATCHETTE.

Second, HIBBARD.

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FACULTY OF MEDICINE.

THE HOLMES GOLD MEDAL, FOR THE BEST EXAMINATION IN ALL THE BRANCHES COMPRISED IN THE MEDICAL CURRICULUM.—Alexander E. Garrow, of Ottawa, Ont.

THE PRIZE FOR THE BEST EXAMINATION IN THE FINAL BRANCHES.—Hugh McKercher, of Stittsville, Ont.

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SQUIRE, J

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THE PRIZE FOR THE BEST EXAMINATION IN THE PRIMARY BRANCHES.—  
William Arthur Brown, of Chesterville, Ont.

THE SUTHERLAND GOLD MEDAL is awarded to John Craig Clemesha, of  
Port Hope, Ont.

The following, arranged in order of merit, deserve honorable mention:—

In the Primary Branches—Hamilton, Morrow, Busby, Bowie, Clemesha,  
Spier, Farwell, Grafton, Kelly, Dewar, Robertson, T. F. Troy, Williamson, W.  
P. McMillan and Alexander.

In the Final Branches—Campbell, McCurdy, Murray, Philp, England and  
Creasor.

PROFESSORS' PRIZES.

BOTANY.—W. B. Hallam Massiah, of Barbadoes, West Indies.

ANATOMY.—2nd year, W. A. Brown. Honorable Mention, T. F. Robertson.  
1st year James Henderson, of Warkworth, Ont.

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FACULTY OF ARTS.

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GRADUATING CLASS.

*B.A. Honours in Classics.*

GIBSON, WILLIAM D.—First Rank Honours and Chapman Gold Medal.

*B.A. Honours in Natural Science.*

DEEKS, WILLIAM E.—First Rank Honours and Logan Gold Medal.

SQUIRE, MAUDE M.—First Rank Honours; Medal Prize \*

*B.A. Honours in Mental and Moral Philosophy.*

TRUELL, HARRY V.—First Rank Honours and Prince of Wales Gold Medal.

WILSON, ALICE MAUD.—First Rank Honours; Medal Prize \*

ROBERTSON, JAMES.—First Rank Honours.

*B.A. Honours in Modern Languages.*

REID, HELEN R. Y.—First Rank Honours and the Lord Stanley Gold Medal.

*Special Certificate.*

STEVENSON, JAMES H.

THIRD YEAR.

NICHOLLS, ALBERT G.—First Rank Honours in Classics and Prize, First Rank  
General Standing.

MCDougALL, ROBERT.—First Rank Honours in Mental and Moral Philosophy and  
Prize. First Rank General Standing.

\* A Medal Prize is awarded to a candidate whose answering at the Examinations  
has been nearly equal to that of the Medallist.

- ROBERTSON, ANDREW A.—First Rank Honours in Natural Science. First Rank General Standing.
- TRENHOLME, EDWARD C.—First Rank Honours in Natural Science, First Rank General Standing. Prize in Zoology.
- COLCLOUGH, WILLIAM F.—First Rank Honours in Classics and Prize.
- FRASER, DANIEL J.—First Rank Honours in Mental and Moral Philosophy and Prize.
- ELLIOTT, JAMES A.—First Rank Honours in Mental and Moral Philosophy.
- MACK, SILAS W.—Second Rank Honours in English Language, Literature and History, and Prize. Prize for Collection of Plants.
- TORY, HENRY M.—First Rank General Standing. Charles G. Coster Memorial Prize, for Students from the Maritime Provinces.
- DALEY, JAMES T.—First Rank General Standing. Prize in Hebrew.
- SUTHERLAND, HUGH C.—First Rank General Standing. Prize in English and Rhetoric.
- FRY, FREDERICK M.—First Rank General Standing.

THIRD YEAR.

PASSED THE SESSIONAL EXAMINATIONS.

Williams, Derick, Tory, Daley; Nichols and Trenholme, equal; McDougall, Robertson; Abbott and Sutherland, equal; Colclough, Fry, Binmore, McVicar, Tolmie, Hall, Botterell (H. I.), Mack; Cameron and Moss and Elliott (J. A.), equal; Mathewson; McGregor and Walsh (A. W.), equal; Fraser and Parker and Richardson and Ross and Scott, equal; Botterell (J. T.), Swanson; Hunter and Reid and Elliott (E. A.), equal; Kinghorn, Finch, Macfarlane, Henderson.

SECOND YEAR.

- GUNN, WILLIAM T.—(High School, Montreal).—First Rank General Standing; Prize in Logic, Prize in French.
- LEROSSIGNOL, WALTER J.—(High School, Montreal).—First Rank General Standing, Second Prize in English, Prize in Logic, Prize in Botany.
- MCGREGOR, JOHN M.—(High School, Montreal).—First Rank General Standing; Prize in French, Prize in German.
- WARNE, JAMES F.—(Stanstead Wesleyan College, P.Q.).—First Rank General Standing, First Prize in English.
- HENDERSON, WM. A.—(Stanstead Wesleyan College, P.Q.).—Prize in German.

PASSED THE SESSIONAL EXAMINATIONS.

Gunn, LeRossignol, McGregor (J. M.), Warne (J. F.), Pattison, Henderson, Ellenwood, Hipp, Oliver, McGregor (E. B.), Hall (B.), Whyte (G.), Orton, Reeves, Smith, Warne (Wm. A.), McAlpine, Hamilton, McMillan, Young, Craik, Cole s, Dobson s, Guthrie s, McDougall s, Moffatt s, Tees s

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## FIRST YEAR.

- WOOD, ARTHUR B.—(High School, St. Johns, P.Q.)—First Rank Honours in Mathematics and Prize; First Rank General Standing, Prize in Greek, Prize in Latin, Prize in French, Prize in Chemistry.
- KOLLMYER, W. HECTOR.—(High School, Montreal).—First Rank Honours in Mathematics and Prize; First Rank General Standing, Prize in Greek, Prize in English.
- ROBINS, GEORGE D.—(High School, Montreal).—First Rank Honours in Mathematics and Prize, First Rank General Standing.
- TAYLOR, JAMES.—(Ottawa Collegiate Institute).—Third Rank Honours in Mathematics and Prize.
- CUSHING, HAROLD B.—(High School, Montreal).—Third Rank Honours in Mathematics and Prize.
- ARCHIBALD, EDWARD.—(High School, Montreal).—First Rank General Standing, Prize in Greek and Roman History, Prize in French.
- BARRON, ROBERT H.—(Lachute Academy, P.Q.)—First Rank General Standing.

## PASSED THE SESSIONAL EXAMINATIONS.

Kollmyer and Wood, equal; Archibald, Pitcher, Boright, Robins, Barron, Taylor, Campbell (K. N.), Ross (R. O.), Cushing, Raynes, Ryan, Drum, Mitchell, Jaquays, McIver, Angus, MacDonald, Craig, Day, Davey; Tatley, Blachford (H.), Read (G. E.), Shaw; Brown and Davis, equal; Sadler, Lyman, Leach, McHarg, McCoy, Russell, Smyth, Ellicott, Grisbrook, Hunt, Anderson, Ross (J. K.), Carmichael, Robertson (A.), Campbell (R. F.), Jekill, McLennan, Patterson, Pritchard.

s.—With supplemental Examination on one subject.

*Professor's Prize for Collection of Fossils.*—MacKenzie (R. T.).

*Professor's Prize for Collection of Plants.*—Mack (S. W.).

*Neil Stewart Prize in Hebrew.*—Stevenson (James H.).

*Charles G. Coster Memorial Prize.*—(To that student from the Maritime Provinces who has passed most creditably in the Sessional Examinations).—Tory, Hy. M.

*New Shakspeare Society's Prize.*—Nicholson (J. A.), B.A.

At the Examinations in September, 1889, the following *Scholarships* and *Exhibitions* were awarded:—

## SCHOLARSHIPS.—TENABLE FOR TWO YEARS.

THIRD YEAR.—*Mathematical.*—\* Tory, H. M.

“ “ *Natural Sciences.*—\* Sutherland, H. C.

“ “ *Classics and Modern Languages.*—\* Nicholls, \*\* McDougall, R.

## EXHIBITIONS.—TENABLE FOR ONE YEAR.

THIRD YEAR.—For the study of Natural Science.—\* Daley, †† Mack.

SECOND YEAR.—† Le Rossignol, W. J. (High School, Montreal).

FIRST YEAR.—\* Kollmyer, W. H. (High School, Montreal); \* Wood, A. B. (High School, St. Johns, P.Q.); \* Robins, G. D. (High School, Montreal); § Archibald, E. W. (High School, Montreal); § Ryan, Percy C. (Ottawa Collegiate Institute).

Bursaries were awarded to Gunn W. T. (High School, Montreal) \$62.50 Mitchell R. (High School, Montreal), \$50; Cushing, H. B. (High School, Montreal), \$50.

## SESSIONAL EXAMINATIONS, 1889.

## MCGILL COLLEGE.

*The mark \* in the following list indicates Partial or Occasional Students.*

## GREEK.

B.A. ORDINARY.—*Class I.*—Stevenson, Gibson. *Class II.*—Jamieson and Meighen, equal. *Class III.*—Garth and McCusker, equal; Read (F. W.), Walsh (Thos. N.).

THIRD YEAR.—*Class I.*—Colclough and Derick (*Prizes*), equal; Nichols (*Prize*), Fry; Abbott and Daley, equal; Mathewson and Moss and Tolmie, equal. *Class II.*—Cameron and Parker and Sutherland, equal; Hunter and Mack, equal; McGregor and Richardson, equal; Binmore; Reid and Ross and Swanson and Walsh (A. W.), equal; Finch. *Class III.*—Elliott, Henderson.

SECOND YEAR.—*Class I.*—Gunn, LeRossignol, McGregor (J. M.), Pattison, Henderson, Reeves, Warne (J. F.). *Class II.*—Hipp, Whyte (G.), Ellenwood, McGregor (E. B.); Dobson and McAlpine, equal; Hamilton and Orton, equal; Craik and Guthrie, equal. *Class III.*—Tees and Young, equal; Cole and Orton and Warne (W. A.), equal; Moore, Russell, Holden, Cameron, McLeod, McDougall.

FIRST YEAR.—*Class I.*—Wood, Kollmyer, Archibald; Barron and Ryan, equal; Robins, Campbell (K. M.), Ross (R. O.), MacIver. *Class II.*—Cushing and Taylor, equal; Mitchell, Jaquays, Blachford, Drum; Day and Read, equal; Pritchard; McCoy and McLennan, equal; Anderson. *Class III.*—Brown and Ellicott and Russell, equal; Davis, Shaw, Patterson, Williams, Sadler, Hunt, Davey; Aylen and Carmichael and Grisbrook, equal; Robertson (A. J.); Smyth and McHarg and Jekill, equal.

*Prizes*:—Wood, Kollmyer, Campbell (K. M.).

\* Value of Scholarship or Exhibition \$125 yearly; founder W. C. MacDonald.

† Value \$125 yearly; donor, George Hague, Esq.

\*\* Value \$100 to \$120 yearly; foundress, Miss Barbara Scott.

†† Value \$100; founder; Major Mills.

§ Value \$100; foundress, Mrs Redpath.

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## LATIN.

B.A. ORDINARY.—*Class I.*—Squire, Gibson, Meighen. *Class II.*—Truell. *Class III.*—None.

THIRD YEAR.—*Class I.*—Williams (*Prize*); Colclough, Nichols, Derick, Trenholme; Abbott and Fry and Tolmie, equal; Binmore and McDuffee, equal; Robertson. *Class II.*—Parker; Hall and Hunter and Scott, equal; Sutherland, Botterell (Inez R.). *Class III.*—Botterell (Jeanie T.) and Kinghorn, equal; Moss, Macfarlane, Henderson.

## LATIN.

SECOND YEAR.—*Class I.*—Le Rossignol, McGregor (J. M.), Warne (J. F.), Gunn, Waud, Henderson, Pattison. *Class II.*—McGregor (E. B.), Reeves, Warne (W. A.); Ellenwood and Smith, equal; McMillan; Hipp and Whyte (G.), equal; Dobson and Guthrie and Hall, equal; Oliver. *Class III.*—Hamilton and Moffatt, equal; Baillie, Tees, McAlpine; Orton and Young, equal; Cole, Russell, Whyte (J.), Craik and McLeod and Mooney, equal; Moore.

SECOND YEAR.—*Latin Prose Composition.*—*Class I.*—McGregor (J. M.), Le Rossignol, Henderson, Gunn, Waud, Pattison; Hipp and Reeves, equal; Warne (J. F.). *Class II.*—Ellenwood and Guthrie and Whyte (J.), equal; Oliver, McGregor (E. B.). *Class III.*—Dobson; Orton and Smith, equal; Cole, Warne (W. A.); Hamilton and Young, equal; McAlpine; Moffatt and Tees, equal; Moore; McLeod and McMillan and Russell, equal; Baillie and Craik and Hall, equal.

FIRST YEAR.—*Class I.*—Wood; Archibald and Kollmyer and Ryan, equal; Robins; Campbell (K. M.) and Pitcher, equal; Barron, Cushing, Boright, Jaquays, Taylor, Mitchell. *Class II.*—Angus; McDonald and Pritchard and Read, equal; Ross (R. O.), Tatley; Blachford and Day and Drum, equal; McLennan, MacIver, Lyman, Shaw, Patterson. *Class III.*—Smyth; Brown and Davis and Ellicott, equal; Davey and Leach, equal; Craik and Raynes, equal; Hunt, Anderson, Carmichael, McCoy, Russell; Ayles and McHarg and Ross (J. K.), equal; Grisbrook Morris, Robertson (A. J.), Campbell (R. F.), Sadler.

*Pizes.*—Wood, Campbell (K. M.), Pitcher.

## GREEK AND ROMAN HISTORY.

FIRST YEAR.—*Class I.*—Archibald, Kollmyer, Campbell (K.), Robins, Pitcher; Jaquays and Wood, equal; Ryan, Mitchell; Barron and Drum and McLennan, equal; Day, McIver, Boright. *Class II.*—Davey; Cushing and Ross (J.) and Read and Ross (R. O.), equal; Lyman, Brown, McDonald, Russell, Raynes; Campbell (R. F.) and Shaw, equal. *Class III.*—Anderson, Tatley; McKenzie and Angus, equal; Blachford and Graham and Leach and Williams, equal; Davis, Craig; Hunt and Taylor, equal; Ayles and Grisbrook and McCoy and McHarg, equal; Smyth; McDuffee and Robertson, equal; Sadler, Morris, Saunderson, Blunt, Carmichael, Jekill. *Prize*:—Archibald.

## MENTAL AND MORAL PHILOSOPHY.

B.A. ORDINARY.—(*Moral Philosophy*).—*Class I.*—Stevenson and Wilson, equal; Truell, Garth, Robertson, McKenzie; Holden and \*Lee and Read, equal; Meighen. *Class II.*—\*Austin; Jamieson and McCusker, equal; \*Watt. *Class III.*—\*Beattie.

FIRST

B.A.—(*Additional Department in Mental and Moral Philosophy*). *Class I.*—Wilson, Truell, Robertson, Stevenson.

THIRD YEAR.—(*Mental Philosophy*).—*Class I.*—Williams; Fraser and McDougall and \*Patton, equal; McVicar, Elliott (J. A.), Fry, Abbott, Tory *Class II.*—\*Caldwell; Binmore and Hall, equal; \*Oaten and Swanson equal; \*Kennedy; McGregor (A.) and Richardson, equal; Kinghorn. *Class III.*—\*Long, Finch, Elliott (E. A.), Moore (S.), \*Moore (C. \*Runions.

*Prizes*:—Williams; Fraser and McDougall, equal.

B.A. O

SECOND YEAR.—(*Logic*).—*Class I.*—LeRossignol, Wilson, Gunn, McGregor (E. B.), Pattison, Warne (J. F.), MacDougall, McGregor (J. M.); Hall and Henderson, equal. *Class II.*—Oliver, Baillie, (J. F.) Moffatt, Orton, Tees; McMillan and Smith, equal; Hipp and Reeves, equal. *Class III.*—\*Clendinnen; Hamilton and \*Judge and Whyte (G.), equal; Ellenwood and \*Finley, equal; Guthrie and \*Flagg, equal; \*Chantler; McAlpine and Russell, equal; Craik, Young, \*Humphrey, Whyte (J. T.), Warne (W. A.), Holden; Dobson and Flinn, equal; Cole.

THIRD

*Prizes*:—LeRossignol, Gunn, McGregor and Pattison.

B.A. O

## EUROPEAN HISTORY.

THIRD

B.A. ORDINARY.—*Class I.*—None. *Class II.*—Garth, Holden. *Class III.*—Robertson, Jamieson, Reid, McKenzie.

B.A. O

## ENGLISH LITERATURE AND RHETORIC.

THIRD YEAR.—*Class I.*—Sutherland (*Prize*), Trenholme, Mack; Scott and Walsh equal; Tolmie, Moss. *Class II.*—Kinghorn, Parker; Hunter and Reid equal. *Class III.*—McDuffee, McGregor, Paton, Moore.

THIRD

*Additional Department in English Literature and History.*—*Class I.* None.—*Class II.*—Mack.

SECOND

## ENGLISH LITERATURE AND HISTORY.

SECOND YEAR.—*Class I.*—Warne (J. F.) (*First Prize*), Le Rossignol (*Second Prize*), Gunn, McGregor (J. M.), Pattison, Warne (W. A.), Ellenwood. *Class II.*—Hall and McAlpine and McMillan and Oliver, equal; Henderson, Mooney, Reeves, Orton; Dobson and Young, equal; Smith, MacDougall. *Class III.*—Whyte (G.), Hamilton, Hipp; Craik and Guthrie and Hunter, equal; McGregor (E. B.)

FIRST

## ENGLISH LITERATURE.

FIRST YEAR.—*Class I.*—Kollmeyer and Raynes, equal (*Prizes*); Angus and Boright, equal; Pitcher, Macdonald; Robins and Thomson (J.S.), equal; MacIver, Wood, Blachford; Campbell (K.M.) and Jaquays and Shaw, equal. *Class II.* Drum; Archibald and Barron and Mitchell and Sadler, equal; Taylor and Read, equal; Lyman, Campbell (R.), Ryan; Gourlay and Leach, equal; Grisbrook and Rankin, equal; Carmichael and Cushing, equal. *Class III.*—Eadie; Day and Tatley, equal; Craig and Dougall and Ross (R.O.), equal; Brown and Graham, equal; McCoy and Patterson and Ross (J.K.), equal; Smyth, McKenzie, Davis; Davey and Hunt and MacLennan and Russell and Tener, equal; Ellicott; Blunt (S.B.) and Robertson, equal; McDiarmid and Pritchard, equal; Anderson; Aylen and McHarg, equal.

## MECHANICS AND HYDROSTATICS.

B.A. ORDINARY.—*Class I.*—Walsh (T. N.). *Class II.*—Meighen. *Class III.*—Holden (D. B.), Garth.

THIRD YEAR.—*Class I.*—Tory, McDougall, Sutherland, McVicar, Hall, Daley, Mathewson, Tolmie. *Class II.*—Walsh (A. W.); Binmore and Ross, equal; Parker, Fry; Abbott and Moss, equal; Cameron, Hunter. *Class III.*—Botterell (J. T.), Reid, Fraser, Kinghorn, Elliott, Scott, Henderson, Macfarlane.

## ASTRONOMY AND OPTICS.

B.A. ORDINARY.—*Class I.*—Mackenzie. *Class II.*—Holden (D. B.) and Jamieson (W. L.) and Walsh (T. N.), equal. *Class III.*—Read, McCusker.

THIRD YEAR.—*Class I.*—Tory, Abbott. *Class II.*—McDougall, Tolmie. *Class III.*—Binmore, Ross, Walsh (A. W.).

EXPERIMENTAL PHYSICS (*Electricity, Magnetism and Sound*).

B.A. ORDINARY.—*Class I.*—Deeks, Jamieson. *Class II.*—Walsh. *Class III.*—Meighen, Holden (D. B.), McKenzie, McCusker, Garth.

THIRD YEAR.—*Class I.*—Elliott (J. A.), McVicar, Tory. *Class II.*—Ross, Fraser (D. J.), Barnes\*; Cameron and Mathewson, equal; Parker, Hunter.

## TRIGONOMETRY AND ALGEBRA.

SECOND YEAR.—*Class I.*—Henderson, McGregor (J. M.), Gunn, Hipp, Whyte (G.), Warne (J. F.), Ellenwood, Pattison, Hunter, McDougall, Le Rossignol. *Class II.*—Guthrie, Cole, Hall; Oliver, McGregor (E. B.), Moffatt. *Class III.*—Dobson and Hamilton and Holden, equal; Orton; Tees and Warne (W. A.), equal; Craik and McAlpine and McLeod, equal; Reeves, McMillan, Mooney, Smith, Whyte (J. T.), Young.

FIRST YEAR.—*Class I.*—Kollmeyer, Cushing, Wood, Taylor, Pitcher, Robins, Archibald, Barron. *Class II.*—Boright, McKenzie, Ross (R. O.); Day and Mitchell, equal; Campbell (K.) *Class III.*—Raynes and Ryan, equal; Davey; Davis and Drum and Smith, equal; Jaquays, McIver;

Angus and Russell, equal; Pritchard; Craig and McHarg and Morris and Sadler, equal; Ellicott, Brown; Leach and McDonald, equal; Shaw; Lyman and Robertson, equal; Tatley; Blachford and McCoy, equal; Anderson and Campbell (R. F.) and Hunt, equal; Graham and Read, equal; Grisbrook; Fraser (A. D.) and Ross (J. K.), equal; Patterson, Jekill.

## GEOMETRY AND ARITHMETIC.

SECOND YEAR.—*Class I.*—Le Rossignol, Guthrie, Warne (J. F.); Ellenwood and McGregor (J. M.), equal; Gunn, Moffatt, Cole; Hipp and Oliver, equal. *Class II.*—Dobson, Tees, Holden, Mooney, Reeves; Orton and Whyte (J. T.), equal; Whyte (G.); McDougall and Pattison, equal; Russell. *Class III.*—Moore (L.); Hamilton and Henderson, equal; McGregor (E. B.), Hunter (J. C.), Hall, Smith, McLeod, Craik, Warne (W. A.), McAlpine, Baillie, Cameron, McMillan, Young.

FIRST YEAR.—*Class I.*—Kollmyer and Wood, equal; Taylor; Cushing and Pitcher, equal; Archibald, Boright, Barron, Ross (R. O.), Pritchard, Robins, Jaquays, McIver, Mitchell, Davey, Drum, Day, Craig. *Class II.*—McHarg and Raynes, equal; Shaw; McKenzie and Sadler, equal. *Class III.*—Campbell (K.), Russel, Morris; Brown and Davis, equal; Graham and Grisbrook and McCoy and Ryan and Smith, equal; McLennan; Anderson and Tatley, equal; McDonald, Read, Jekill; Blachford and Carmichael, equal; Robertson, Lyman, Hunt, Ross (J. K.), Ellicott and Fraser (A. D.), equal; Leach and Williams, equal; Patterson, Angus and Ayleen, equal.

## HONOUR EXAMINATION IN MATHEMATICS.

FIRST YEAR.—*First Rank Honours.*—Wood (*Prize*) Kollmyer (*Prize*), Robins (*Prize*)—*Second Rank Honours.*—None.—*Third Rank Honours.*—Taylor (*Prize*), Cushing (*Prize*).

## FRENCH.

FOURTH YEAR.—*Class I.*—Reid, Wilson. *Class II.*—Read.

THIRD YEAR.—*Class I.*—Williams, Abbott, Johnson, and Ross, equal. *Class II.*—Cameron, Robertson, Elliott, Binmore, Botterell (J. T.) and Scott, (equal; Nicholls, Botterill (H. T. R.)). *Class III.*—Parker, Hall, McDuffee, Mathewson and MacFarlane;

SECOND YEAR.—*Class I.*—Pattison (*Prize*), McGregor (J. M.) (*Prize*), Gunn (*Prize*), Smith, LeRossignol, Moffatt; Hipp and Young, equal. *Class II.*—Oliver, McGregor (E. B.), Ellenwood, Reeves, Baillie, Tees; Whyte (G.) and Hell and Mooney, equal; Warne (J. F.), McMillan. *Class III.*—Warne (W. A.); McDougall and Moore, equal; Holden, Cole, Whyte (J. T.)

FIRST YEAR.—*Class I.*—Archibald (*Prize*), Wood (*Prize*), Johnson (H.), Blachford (A.), Craig (*Prize*); Barron and Boright and Raynes and Kollmyer and Ryan, equal; Drum and Robins, equal; Rankin, Campbell (R.), Campbell

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(K.). *Class II.*—Taylor, Pitcher, Macdonald, Angus and Blachford (H.), equal; Jaquays, McDuffee, Day, Leach, McIver, Mitchell, Sadler, Brown, McHarg. *Class III.*—Tatley; Humphrey and Smyth and Shaw, equal; Carmichael and Cushing, equal; McCoy, Hunt, Ellicott, Graham, Ross (J. K.), Lyman, Dougall.

## GERMAN.

B.A. ORDINARY.—*Class I.*—Reid (H.) and \*Johnson (H.), equal. *Class II.*—Meighen, Gibson. *Class III.*—None.

THIRD YEAR.—*Class I.*—Botterell (H. I. R.) (*Prize*), Botterell (J. T.).  
*Class II.*—Macfarlane. *Class III.*—None.

SECOND YEAR.—*Class I.*—McGregor (J. M.) (*Prize*), McMillan, Moffatt, Ellenwood. *Class II.*—Baillie, Hall, Smith.

FIRST YEAR.—*Class I.*—Boright (*Prize*), Macdonald, Angus, Campbell (K.M.), Campbell (R. F.), Craig, Pitcher, Raynes, Lyman, Henderson, Orton.  
*Class II.*—Tatley, McDuffee, Leach. *Class III.*—Ross, Jekill, Blunt, Williams.

## HEBREW.

ADVANCED COURSE.—*Class I.*—Stevenson. *Class II.*—Ashton, Swanson. *Class III.*—Richardson, Finch, McCusker, Watt.

INTERMEDIATE COURSE.—*Class I.*—Patton. *Class II.*—MacAlpine, Russell A., Fraser D. J. *Class III.*—MacVicar, Austin, Moore, Craik; Hamilton and Capel, equal; Mitchell Th. A.

ELEMENTARY COURSE.—*Class I.*—Daley J. T. (*Prize*); Fyles and Ross R. O., equal; Horsey, Judge, Elliott, Mack, Davis, Reid. *Class II.*—Caldwell, Davey, Flagg; Long and Eadie, equal; Colclough, Anderson, Patterson W., Read; Kennedy and Russell Wm., equal.  
*Class III.*—Tener and Lambly W. D., equal; Pritchard, Lee, MacLennan K., Sanderson; Robertson and Maynard Moise, equal; Bouchard; Maynard Etienne and Fraser A. D., equal; St. Aubin, Grisbrook, Charles, Morris, MacDiarmid.

THE NEIL STEWART PRIZE.—Stevenson.

## GEOLOGY AND MINERALOGY.

FOURTH YEAR.—*Class I.*—Deeks, Squire, Stevenson, McKenzie. *Class II.*—Jamieson and Walsh, equal; Caldwell\*, Read. *Class III.*—Garth.

## ZOOLOGY.

THIRD YEAR.—*Class I.*—Derick and Williams, equal (*Prize*); Trenholme (*Prize*), Robins\* and Sutherland, equal; Binmore, Abbott; Hall and Nicholls, equal; Botterell (Inez), Scott, Cameron, Robertson, Moss; Daley and Matthewson, equal; McDougall, Richardson, Walsh, Botterell (Jane) and McGregor and Mack, equal. *Class II.*—Elliott and McFarlane, equal; Henderson, Ross, Fry, Swanson, Kennedy,\* Moore (C.)\*. *Class III.*—Kinghorn, Finch, Long,\* Oaten,\* Lambly,\* Caldwell,\* Mitchell,\* Colclough, McDuffee, Paton.

## BOTANY.

FOURTH YEAR.—*Class I.*—Kennedy.\*

THIRD YEAR.—*Class I.*—Derick and Robertson, equal; Trenholme, *Class II.*—Henderson.

SECOND YEAR.—*Class I.*—LeRossignol, *Prize*; Stevenson\*, McGregor (J. M.), Warne (J. F.), Gunn, Henderson; Pattison, *Prize*, and McDougall, equal; Orton, Moffatt and Warne (W. A.), equal; Hall; Baillie and Flagg\*, equal. *Class II.*—McGregor (E.B.), and Smith, equal; Blachford and Ellenwood, equal; Young, Hamilton. *Class III.*—Oliver, McAlpine, Hipp, Russell, Mussen\*, Craik, Guthrie, Chantler, Tees McMillan, Whyte (G.), Whyte (J. T.), Cole, Reeves, Dobson.

## CHEMISTRY.

FIRST YEAR.—*Class I.*—Tatley (*Prize*); Wood (*Prize*); Kollymer and Pitchea (*Prize*), equal; Ross (R. O.), Thomson (J. S.), Archibald; Boright and Campbell (K.) and Drum and Henderson (2nd Yr), equal. *Class II.*—Robins; Davey and Taylor, equal; Barron, Thompson (J.), Gourlay, McHarg, Raynes; Angus and McIver, equal; Clendinnen and Jackson, equal; Jaquays and McCoy and Mitchell, equal; Brown and Craig, equal. *Class III.*—Cushing, Tener, Sadler; MacDonald and Ryan, equal; Leach; Blachford (Henry) and McKenzie, equal; Patterson and Sanderson, equal; Pritchard and Williams, equal; Ellicott; Carmichael and Hunt and Jekill and Morris, equal; Grisbrook; Davis and Graham, equal; Aylen and Read, equal; Robertson; MacLennan and Smyth, equal; Lyman; Day and Eadie and Shaw, equal; Campbell (R. F.), Fraser, Ross (J. K.), Russell.

WICKSTEED MEDALS (*for Physical Culture.*)

R. T. MCKENZIE—4th Year—Gold Medal.

W. OLIVER—2nd Year—Silver Medal.

A. A. COLE—2nd Year—Bronze Medal.

## SPECIAL COURSE FOR WOMEN (DONALDA ENDOWMENT).

## PRIZES AND STANDING.

## GRADUATING CLASS.

*B.A. Honours in Natural Science.*

SQUIRE, MAUD N.—First Rank Honours. Medal Prize.

*B. A. Honours in Mental and Moral Philosophy.*

WILSON, ALICE MAUD.—First Rank Honours. Medal Prize.

*B. A. Honours in Modern Languages.*

REID, HELEN R. Z.—First Rank Honours and the Lord Stanley Gold Medal.

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## THIRD YEAR.

- WILLIAMS, ANNIE.—First Rank Honours in Mental and Moral Philosophy and Prize; First Rank General Standing, Prize in Latin, Prize in Zoology.
- DERICK, CARRIE M.—First Rank Honours in Natural Science, First Rank in General Standing, Prize in Classics, Prize in Zoology.
- BOTTERELL, H. INEZ R.—First Rank Honours in Natural Science, Prize in German.
- ABBOTT, MAUDE E.—First Rank General Standing.

## PASSED THE SESSIONAL EXAMINATIONS.

- Williams, Derick, Abbott, Bidmore, Botterell (H.I.R.), Scott, Botterell (J.T.), Macfarlane, Henderson.

## PASSED IN CERTAIN CLASSES AS PARTIAL OR OCCASIONAL STUDENTS.

- Robins, Johnson (N).

## SECOND YEAR.

- PATTISON, MARY L.—(McGill Normal School) First Rank General Standing, Prize in Logic, Prize in French, Prize in Botany.
- MCGREGOR, F. B.—(McGill Normal School). Prize in Logic.

## PASSED THE SESSIONAL EXAMINATIONS.

- Pattison, McGregor (E.B.), Hall, Smith, McMillan, Moffatt.

## PASSED IN CERTAIN CLASSES AS PARTIAL OR OCCASIONAL STUDENTS.

- Blachford, Finley, Mussen, Waud (E.M.), Wilson.

## FIRST YEAR.

- PITCHER, ETHELWYN.—(Morrisburg High School, Ont.).—First Rank General Standing, Prize in Latin, Prize in Chemistry.
- BORIGHT, MABEL.—(Sutton Academy, P.Q.).—First Rank General Standing, Prize in French, Prize in German.
- CAMPBELL, KATE M.—(Girls' High School Montreal).—First Rank General Standing, Prize in Greek, Prize in Latin.
- RAYNES, ETHEL.—(High School, Montreal).—Prize in English, Prize in French.
- CRAIG, ELEANOR M.—(McGill Normal School)—Prize in French.
- TATLEY, ELEANOR.—(Private tuition)—Prize in Chemistry.

## PASSED THE SESSIONAL EXAMINATIONS.

- Pitcher, Boright, Campbell (K.M.), Raynes, Angus, MacDonald, Craig, Tatley, Lyman, Leach, McCoy, Hunt, Ross (J.K.), Campbell, R.F. s,

PASSED IN CERTAIN CLASSES AS PARTIAL OR OCCASIONAL STUDENTS.

Galt, Johnson (H.), Tatley (H.).

.—With supplemental examination on one subject.

The prizes in this department are from the income of the Hannah Willard Lyman Memorial Fund.

### MORRIN COLLEGE.

#### B.A. ORDINARY EXAMINATION.

GREEK.—*Class I.*—None. *Class II.*—Sloane, Whitelaw, MacLeod, *Class III.*—Robertson.

LATIN.—*Class I.*—None. *Class II.*—Sloane, McLeod. *Class III.*—None.

MECHANICS AND HYDROSTATICS.—*Class I.*—Whitelaw, Robertson. *Class II.*—Smith, Sloane, McLeod. *Class III.*—None.

ASTRONOMY AND OPTICS.—*Class III.*—Smith.

MORAL PHILOSOPHY.—*Class I.*—Whitelaw, MacLeod, Smith, Sloane, Robertson.

FRENCH.—(*Ordinary*).—*Class I.*—Sloane. *Class II.*—MacLeod.

HEBREW.—(*Ordinary*).—*Class I.*—Whitelaw Robertson, Smith.

EUROPEAN HISTORY.—*Class I.*—Whitelaw, Sloane, MacLeod and Smith, equal. *Class II.*—Robertson.

#### INTERMEDIATE EXAMINATION.

GREEK.—*Class I.*—Pidgeon. *Class II.*—Brown. *Class III.*—Logie, Webb, McLeod, Lindsay, Livingstone.

LATIN.—*Class I.*—Brown. *Class II.*—Pidgeon, Webb, Logie, McLeod. *Class III.*—Livingstone, Lindsay.

LATIN PROSE COMPOSITION.—*Class I.*—Brown and Pidgeon, equal. *Class II.*—McLeod, Webb; Lindsay and Livingstone, equal. *Class III.*—Logie,

TRIGONOMETRY AND ALGEBRA.—*Class I.*—Pidgeon, Lindsay, Livingstone. *Class II.*—Webb. *Class III.*—Brown, Tanner, MacLeod.

GEOMETRY AND ARITHMETIC.—*Class I.*—Livingstone, Pidgeon. *Class II.*—Lindsay, Webb, Logie. *Class III.*—MacLeod, Tanner.

LOGIC.—*Class I.*—None. *Class II.*—Livingstone. *Class III.*—Brown, MacLeod; Pidgeon and Tanner, equal.

ENGLISH LITERATURE AND HISTORY.—*Class I.*—Pidgeon. *Class II.*—Lindsay, Browne, Webb. *Class III.*—McLeod.

FRENCH.—*Class I.*—None. *Class II.*—Brown. *Class III.*—Webb.

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HEBREW.—*Class I.*—Pidgeon, Lindsay. *Class II.*—Logie; Lindsay, MacLeod.  
*Class III.*—Tanner.

## MORRIN COLLEGE.

B. A. EXAMINATION.—*Class I.*—Whitelaw, Robertson A., Smith G. H.

INTERMEDIATE EXAMINATION.—*Class I.*—Pidgeon, Lindsay. *Class II.*—Lorgie  
Livingstone, MacLeod S. G. *Class III.*—Tanner.

## ST. FRANCIS COLLEGE.

## INTERMEDIATE EXAMINATION.

GREEK.—*Class I.*—Bannister. *Class II.*—None. *Class III.*—McLeay.

LATIN.—*Class I.*—Bannister. *Class II.*—MacLeay. *Class III.*—None.

LATIN PROSE COMPOSITION.—*Class I.*—Bannister. *Class II.*—None.

*Class III.*—MacLeay.

TRIGONOMETRY AND ALGEBRA.—*Class I.*—McLeay, Bannister.

GEOMETRY AND ARITHMETIC.—*Class I.*—Bannister and McLeay, equal.

LOGIC.—*Class I.*—Bannister, MacLeay. *Class II.*—None. *Class III.*—None.

ENGLISH LITERATURE AND HISTORY.—*Class I.*—Bannister. *Class II.*—None.

*Class III.*—MacLeay.

FRENCH.—*Class I.*—Bannister. *Class II.*—McLeay.

## FACULTY OF APPLIED SCIENCE.

## GRADUATING CLASS.

ALLAN WILMOT STRONG.—British Association Gold Medal; \$50 British Association Exhibition; Certificates of Merit in Designing, and Heat and Heat Engines.

GEORGE MORSE EDWARDS.—Stanley Silver Medal; First Rank Honours in, Natural Science; Logan Prize for collection of Insects; Certificates of Merit in Assaying, and Chemistry.

JAMES PRESTON TUPLIN.—Certificates of Merit in Designing, Heat and Heat Engines, and Machinery and Millwork.

MURDY JOHN McLENNAN.—Certificate of Merit in Materials.

MILTON LEWIS HERSEY.—\$25 Prize for Summer Report. Certificate of merit in Chemistry and Mineralogy.

PETER LAWRENCE NAISMITH.—Certificate of Merit in Geodesy and Practical Astronomy.

## THIRD YEAR.

RICHARD SMITH LEA.—Scott Exhibition of \$66.00; Prize for Summer Report; Prizes in Descriptive Geometry, Theory of Structures, Materials Geology, and Surveying.

ERNEST EDWARD S. MATTICE.—Prizes in Mathematics, and Theory of Structures.

PERCY NORTON EVANS.—Prizes in Mathematical Physics, Experimental Physics, Theoretical Chemistry, Practical Chemistry, Mineralogy, and Zoology

PETER WHITEFORD REDPATH.—Prize in Dynamics of Machinery.

GEORGE W. MOONEY.—Prizes in Experimental Physics, and Field Work  
(Levelling.)

PASSED THE SESSIONAL EXAMINATIONS.

**Civil Engineering** (*Advanced Course*.)

Richard Smith Lea and Ernest Stuart Mattice, equal.

**Civil Engineering** (*Ordinary Course*.)

IN ORDER OF MERIT.

Richard Smith Lea, Ernest Edward S. Mattice, Charles Herbert Ellacott,  
Orrin Rexford, Albert Howard Hawkins, William Simeon Denison,  
Chester Bowditch Reed.

**Mechanical Engineering** (*Advanced Course*.)

George W. Mooney.

**Mechanical Engineering** (*Ordinary Course*.)

IN ORDER OF MERIT.

George W. Mooney, Peter Whiteford Redpath.

**Practical Chemistry.**

IN ORDER OF MERIT.

Percy Norton Evans, Robert Henry Jamieson, Sidney Calvert, William Smaill,  
Arthur E. Shuttleworth.

SECOND YEAR.

ERNEST ALBERT STONE.—Scott Exhibition of \$66.00; prizes in Materials, Mathe-  
matics, Mathematical Physics, Experimental Physics, and Surveying.

THOMAS HENRY WINGHAM.—Prize in Descriptive Geometry.

WILLIAM HENRY WALKER.—Burland prize in Chemistry; prizes in Mechanism,  
and Practical Chemistry.

PASSED THE SESSIONAL EXAMINATIONS.

**Civil Engineering.**

IN ORDER OF MERIT.

Ernest Albert Stone, William Jardine Bulman, Robert Bickerdike,  
George Edward McCrea.

**Mechanical Engineering.**

IN ORDER OF MERIT.

Thomas Henry Wingham, Percy Howe Middleton, Miles Lawrence Williams.

**Mining Engineering.**

IN ORDER OF MERIT.

William Henry H. Walker, Hugh Yelverton Russel.

FIRST YEAR.

PETER HENRY LEROSIGNOL.—Prizes in Theoretical and Practical Chemistry,  
Mathematics, and French.

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WILLIAM NORTON CUNNINGHAM.—Prizes in English, and German.

WILLIAM HENRY WARREN.—Prize in English.

JAMES G. R. WAINWRIGHT.—Prize in Freehand and Model Drawing.

PASSED THE SESSIONAL EXAMINATIONS.

IN ORDER OF MERIT.

Peter Henry LeRossignol, William Norton Cunningham, William Pitt Laurie  
Walter Chamblet Adams, Ellsworth Bolton, Forest Rutherford, Théophile Denis, Alonzo Klock, William Henry Warren, George Mitchell,  
Louis Benjamin Copeland, William C. G. Smart, John Hamilton  
Featherston, James George R. Wainwright, Peter J. Murphy, Arnold  
James Ryan, William Foster Fraser, Lawrence Naismith Pink,  
Lincoln Simpson, John Alexander Turner, George P. Tasker.

SUMMER REPORT.

FOURTH YEAR.—*Class I.*—Hersey (*Dextrine Prize*); Addie (*Township Surveying*) and Strong (*G. T. Ry. Double Track*) and Tuplin (*Locomotive Construction*), equal; Naismith (*G. T. Ry. Double Track*); McFarlane (*Ry. Survey, Vaudreuil to Vankleek Hill*) and McLennan (*Railroad-ing*), equal. *Class II.*—Antliff (*Smoke Consumption*), Young (*Cylindrical Concretions from Potsdam Sandstone, Lanark Co.*). *Class III.*—Edwards (*Aniline*).

THIRD YEAR.—*Class I.*—Lea (*Water Supply of Charlottetown, P.E.I.*) Prize; Calvert (*Bran v. Oatmeal, a Cattle-feeding Experiment*) and Evans (*Sugar of Milk*), and Smaill (*Notes on Preparation of a few Organic Chemical Compounds*) and Shuttleworth (*Study of Chemistry as a guide to Practical Agriculture*), equal; Mooney (*Steam Injectors*); Hawkins (*Survey of Township of Huron*) and Jamieson (*Manufacture of Varnish*) and Mattice (*Iron and Steel*) and Redpath (*High Speed Engines*), equal. *Class II.*—Ellacott (*Crown Surveys, Ont.*), Rexford (*Land Surveying in Ontario*), Reed (*Ry. Survey, Vaudreuil to Ottawa*). *Class III.*—Denison (*Railway Construction*).

FREEHAND AND MODEL DRAWING.

FIRST YEAR.—*Class I.*—Wainwright (*Prize*), Purves, Tasker; LeRossignol and Warren, equal; Rutherford. *Class II.*—Costigan, Copeland, Turner, Ryan, Mitchell; Pink and Stevenson, equal; Klock, Bolton; Denis and Featherston and Smart, equal; Cunningham and Simpson, equal. *Class III.*—Murphy, Adams, Fraser, Laurie.

DESCRIPTIVE GEOMETRY.

SECOND YEAR.—*Class I.*—Wingham (*Prize*), Stone, Ramsay; McCrean and Walker, equal; Bulman, Williams. *Class II.*—Middleton, Stuart, Russell. *Class III.*—Bickerdike.

THIRD YEAR.—*Class I.*—Lea (*Prize*), Mattice. *Class II.*—Ellacott, Mooney. *Class III.*—Redpath and Rexford, equal.

## MECHANISM.

SECOND YEAR.—*Class I.*—Walker (*Prize*), Stone. *Class II.*—Wingham, Middleton, McCrea. *Class III.*—Stuart; Bulman and Ramsay, equal; Bickerdike, Russell, Williams.

## PRACTICAL CONSTRUCTION.

FOURTH YEAR.—*Class I.*—Tuplin.

THIRD YEAR.—*Class I.*—None. *Class II.*—Redpath, Mooney.

SECOND YEAR.—*Class I.*—Williams, Middleton. *Class II.*—Wingham. *Class III.*—Ramsay.

## MECHANICAL WORK.

SECOND YEAR.—*Class I.*—Middleton, Williams. *Class II.*—Wingham, Ramsay.

## MOULDING AND FOUNDING.

SECOND AND THIRD YEARS.—*Class I.*—Mooney and Wingham, equal; Middleton, Williams. *Class II.*—Redpath, Ramsay.

MACHINERY (*Riveted joints and toothed gearing*).

THIRD YEAR.—*Class I.*—Redpath. *Class II.*—Mooney.

## GEOMETRY OF MACHINERY.

THIRD YEAR.—*Class I.*—None. *Class II.*—Mooney. *Class III.*—Redpath.

## SURVEYING.

SECOND YEAR.—*Class I.*—Stone (*Prize*), Walker. *Class II.*—Bulman, Schwitzer. *Class III.*—Russel, Bickerdike, Middleton, McCrea, Williams, Wingham, Ramsay, Tighe.

THIRD YEAR.—*Class I.*—Lea (*Prize*), Mattice. *Class II.*—Hawkins, Reed, Denison. *Class III.*—Ellacott, Rexford.

## GEODESY AND PRACTICAL ASTRONOMY.

FOURTH YEAR.—*Class I.*—Naismith (*Certificate of Merit*). *Class III.*—Strong, McFarlane.

## ENGINE PROPORTIONS.

FOURTH YEAR.—*Class I.*—Tuplin (*Certificate of Merit*).

## DYNAMICS OF MACHINERY.

FOURTH YEAR.—*Class I.*—Tuplin (*Certificate of Merit*).

THIRD YEAR.—*Class I.*—Redpath (*Prize*). *Class II.*—Mooney.

## DESIGNING.

FOURTH YEAR.—*Class I.*—Tuplin (*Certificate of Merit*), Strong (*Certificate of Merit*), *Class II.*—Antliff, Addie, McLennan. *Class III.*—McFarlane and Naismith, equal.

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THEORY OF STRUCTURES.—(*Advanced*).

FOURTH YEAR.—(*Civil Engineering Course*).—*Class I.*—None. *Class II.*—Strong, Antliff.

FOURTH YEAR.—(*Mechanical Engineering Course*).—*Class I.*—None. *Class II.*—Tuplin.

THIRD YEAR.—*Class I.*—Lea and Mattice, equal; Mooney.

THEORY OF STRUCTURES.—(*Ordinary*)

FOURTH YEAR.—*Class I.*—Naismith and Strong, equal. *Class II.*—Addie, McLennan, Antliff. *Class III.*—McFarlane.

THIRD YEAR.—*Class I.*—Lea (*Prize*) and Mattice (*Prize*), equal. *Class II.*—Mooney, Redpath; Ellacott and Rexford, equal. *Class III.*—Denison, Hawkins, \*Reed.

\* Reed passes with a supplemental examination in the subject matter of Paper II.

HEAT AND HEAT ENGINES.—(*Advanced Course*.)

FOURTH YEAR.—*Class I.*—Strong. *Class II.*—Tuplin. *Class III.*—Antliff.

HEAT AND HEAT ENGINES.—(*Ordinary Course*.)

FOURTH YEAR.—*Class I.*—Strong (*Certificate of Merit*) and Tuplin (*Certificate of Merit*), equal. *Class II.*—Antliff, McLennan. *Class III.*—Addie.

HYDRAULICS.—(*Advanced Course*.)

FOURTH YEAR.—*Class I.*—Strong, Antliff.

HYDRAULICS.—(*Ordinary Course*.)

FOURTH YEAR.—*Class I.*—None. *Class II.*—Strong, Tuplin, Antliff. *Class III.*—McLennan, Addie.

## MATERIALS.

FOURTH YEAR.—*Class I.*—McLennan (*Certificate of Merit*) and Naismith (*Certificate of Merit*) and Tuplin (*Certificate of Merit*), equal; Addie, McFarlane. *Class II.*—Strong, Antliff. *Class III.*—None.

THIRD YEAR.—*Class I.*—Lea (*Prize*), Mattice (*Prize*); Hawkins and Redpath, equal; Mooney, Rexford, Ellacott. *Class II.*—Reed, Denison. *Class III.*—None.

SECOND YEAR.—*Class I.*—Stone (*Prize*), Bulman (*Prize*), Wingham, Bickerdike, Williams, Tighe, Middleton. *Class II.*—Schwitzer. *Class III.*—Ramsay, McCrear, Stuart.

## ESSAY.

FOURTH YEAR.—(*Determination of Latitude*)—*Class I.*—None. *Class II.*—Naismith. *Class III.*—McFarlane.

Wingham,  
ay, equal;

Class III.

Ramsay.

Middleton,

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(*Thermo-dynamic Laws*).—Class I.—Strong, Tuplin. Class II.—Antliff and McLennan, equal. Class III.—Addie.

(*Relation of Chemistry to Mining and Manufacturing Industries*).—Class I.—Edwards. Class II.—Hersey. Class III.—Young.

THIRD YEAR.—(*Methods and Instruments employed in Geodesic Levelling*).—Class I.—None. Class II.—Lea, Mattice, Ellacott, Hawkins, Reed. Class III.—Rexford, Denison.

(*Transmission of Energy by belts and ropes*).—Class I.—Redpath, Mooney.

(*Volumetric Analysis and its sources of Error*).—Class I.—Evans, Smaill, Jamieson; Calvert and Shuttleworth, equal.

SECOND YEAR.—(*The lathe*).—Class I.—Middleton, Ramsay. Class II.—Wingham. Class III.—Williams.

(*Construction and use of Engineer's Transit*).—Class I.—Bickerdike and Stone, equal; Walker. Class II.—McCrea. Class III.—Bulman and Schwitzer and Tighe, equal; Stuart.

#### THEORETICAL AND PRACTICAL CHEMISTRY.

FIRST YEAR.—Class I.—Le Rossignol (*Prize*), Bolton, Adams, Mitchell, Laurie, Rankin. Class II.—Klock, Warren, Rutherford, Stevenson, Denis, Featherston; Copeland and Smart, equal; Cunningham and Wainwright, equal; Fraser. Class III.—Ryan, Pink, Tasker, Murphy, Purves, Turner Simpson.

*N. B.* Of the above, Pink, Tasker, Murphy, Turner and Purves pass with supplemental in Theoretical Chemistry, and Simpson with supplemental in Practical Chemistry.

SECOND YEAR.—(*Theoretical Chemistry only*).—Class I.—None. Class II.—None. Class III.—Tighe, Bickerdike.

#### PRACTICAL CHEMISTRY.

SECOND YEAR.—(*Mining Course*).—Class I.—Walker (*Prize*). Class II.—None. Class III.—Russell.

THIRD YEAR.—(*Chemistry Course*).—Class I.—Evans (*Prize*), Jamieson. Class II.—Shuttleworth, Smaill, Calvert.

#### THEORETICAL AND PRACTICAL CHEMISTRY.

FOURTH YEAR.—(*Chemistry Course*).—Class I.—Edwards, Hersey. Class II.—None. Class III.—Young.

#### THEORETICAL CHEMISTRY.

THIRD YEAR.—(*Chemistry Course*).—Class I.—Evans (*Prize*), Smaill, Jamieson, Calvert, Shuttleworth.

#### ASSAYING.

FOURTH YEAR.—(*Chemistry Course*).—Class I.—Edwards, Hersey. Class II.—Young. Class III.—None.

FOURTH

FOURTH

FOURTH

FOURTH

FOURTH

THIRD

SECOND

FOURTH

THIRD

FOURTH

THIRD

THIRD

SECOND

FIRST

THIRD

SECOND



## METALLURGY.

FOURTH YEAR.—(*Chemistry Course*).—*Class I.*—Edwards, Hersey. *Class II.*—Young.

FOURTH YEAR.—(*Mechanical Engineering Course*).—*Class I.*—Tuplin.

## METEOROLOGY.

FOURTH YEAR.—*Class I.*—McFarlane and Naismith, equal; Addie.

## LITHOLOGY.

FOURTH YEAR.—(*Chemistry Course*). *Class I.*—Edwards, Hersey. *Class II.*—Young.

MINERALOGY (*Advanced*).

FOURTH YEAR.—(*Chemistry Course*). *Class I.*—Edwards, Hersey. *Class II.*—Young.

THIRD YEAR.—(*Chemistry Course*). *Class I.*—Evans (*Prize*). *Class II.*—Jamieson, Calvert, Smail, Shuttleworth.

## ZOOLOGY.

SECOND & THIRD YEARS.—*Class I.*—Evans (*Prize*), Stone, Walker, Bulman. *Class II.*—McCrea, Calvert, Shuttleworth, Jamieson, Smail, Russel, Bickerdike. *Class III.*—Schwitzer, Tighe, Stuart,

GEOLOGY AND MINERALOGY. (*Ordinary*).

FOURTH YEAR.—*Class I.*—Edwards; Hersey and Young, equal.

THIRD YEAR.—*Class I.*—Lea (*Prize*), Mattice. *Class II.*—Hawkins; Calvert, and Rexford, equal; Ellacott, Shuttleworth. *Class III.*—Denison, Reed.

## MATHEMATICS.

FOURTH YEAR.—(*Advanced Astronomy*). *Class I.*—None. *Class II.*—McFarlane, Strong, Naismith.

THIRD YEAR.—(*Advanced*). *Class I.*—Mattice (*Prize*), Lea. *Class II.*—None. *Class III.*—Mooney.

THIRD YEAR.—(*Ordinary*). *Class I.*—Lea and Mattice, equal. *Class II.*—Rexford, Denison. *Class III.*—Ellacott, Hawkins, Reed.

SECOND YEAR.—*Class I.*—Stone (*Prize*), Walker. *Class II.*—Schwitzer, Bulman, Russel. *Class III.*—Bickerdike and Stuart, equal; Wingham, Middleton.

FIRST YEAR.—*Class I.*—Le Rossignol (*Prize*), Laurie, Cunningham. *Class II.*—Adams, Copeland, Rutherford, Bolton, Klock, Mitchell, Denis, Murphy, Smart. *Class III.*—Ryan, Wainwright, Featherston, Simpson, Warren, Fraser, Turner, Pink.

## MATHEMATICAL PHYSICS.

THIRD YEAR.—*Class I.*—Evans (*Prize*), Lea. *Class II.*—Calvert and Shuttleworth, equal; Denison, Mattice, Reed, Ellacott, Rexford. *Class III.*—Jamieson, Redpath; Mooney and Smail, equal; Hawkins.

SECOND YEAR.—*Class I.*—Stone (*Prize*), Walker. *Class II.*—Russel, Wingham, Bickerdike. *Class III.*—Williams, Bulman, Middleton, McCrea, Stuart, Schwitzer.

## EXPERIMENTAL PHYSICS.

THIRD YEAR.—*Class I.*—Mooney (*Prize*), Evans (*Prize*), Denison, Smail, Redpath. *Class II.*—Jamieson, Calvert, Mattice; Shuttleworth and Ellacott, equal; Rexford. *Class III.*—Hawkins and Reed, equal.

SECOND YEAR.—*Class I.*—Stone (*Prize*), Walker. *Class II.*—Bulman, Russel, Bickerdike, Williams. *Class III.*—Middleton; Schwitzer and Wingham equal; McCrea.

## ENGLISH.

FIRST YEAR.—*Class I.*—Cunningham (*Prize*) and Warren (*Prize*), equal; Le Rossignol. *Class II.*—Rutherford; Adams and Simpson, equal; Laurie and Murphy, equal. *Class III.*—Tasker; Featherston and Purves, equal; Bolton and Denis, equal; Smart, Stevenson, Fraser, Klock, Ryan, Turner, Wainwright; Copeland and \*Costigan and \*Mitchell and \*Pink, equal.

SECOND YEAR.—*Class I.*—Wingham, Walker. *Class II.*—Russel; Schwitzer and Stone, equal. *Class III.*—McCrea, Williams, Bulman, Middleton; Ramsay and Stuart, equal; Bickerdike, Tighe.

THIRD YEAR.—*Class I.*—Rexford, Evans, Jamieson. *Class II.*—Reed, Smail. *Class III.*—Redpath, Hawkins, Ellacott, Denison.

\* With a Supplemental in Dictation.

## FRENCH.

FIRST YEAR.—*Class I.*—Le Rossignol, (*Prize*), Laurie. *Class II.*—Cunningham, Adams. *Class III.*—Ryan, Featherston, Klock, Warren, Copeland, Wainwright, Tasker.

SECOND YEAR.—*Class I.*—None. *Class II.*—Stone, Wingham, Russel. *Class III.*—Bulman, Stuart, Schwitzer, Williams.

## GERMAN.

FIRST YEAR.—*Class I.*—Cunningham (*Prize*), Bolton, Denis. *Class II.*—None. *Class III.*—McCrea, Fraser, Rutherford, Pink and Smart, equal; Mitchell.

SECOND YEAR.—*Class I.*—Walker.

SECOND YEAR.—(*1st Year Paper*).—*Class I.*—None. *Class II.*—None. *Class III.*—McCrea, Ramsay; Bickerdike and Tighe, equal.

THIRD YEAR.—*Class I.*—None. *Class II.*—Calvert. *Class III.*—Shuttleworth.

PASSED SUPPLEMENTAL EXAMINATIONS IN FACULTY OF ARTS,  
1888-89.

*I.*—September, 1888.

(a) Supplemental Sessional.

SECOND YEAR.—Moore, Paton, Swanson, Moss.

FIRST YEAR.—Cameron, Holden, Hamilton, McLeod, Craik.

(b) Supplemental in one subject.

SECOND YEAR.—Cameron (J. A.), Finch, Fry, Kinghorn, Ross, Trenholme.

FIRST YEAR.—Hipp, McDougall, Moore (L.), Whyte (J. T.), Baillie, Moffatt, Macfarlane.

Francis,  
Geoffrie

Ambros  
England  
Girouard  
Harvey,

Barnard,  
Clerk, R

Barton, J  
Benedict  
Brown, J  
Campbell  
Cleghorn  
Fry, Art  
Fulton, J

Adams, V  
Addy, G  
Akerly, J  
Alexandre  
Anderson  
Ault, C.  
Ault, C  
Aylen, W

Bayne, C.  
Beaman,  
Beers, A.

# Students of the University.

SESSION 1889-90.

## McGILL COLLEGE.

### FACULTY OF LAW.

#### FIRST YEAR.

Francis J. Hatchette,	Montreal, Q	Hibbard, Frederick Wm.,	Dublin
Geoffrion, Victor,	Montreal, Q	Lamontagne, Charles O.,	Montreal, Q

#### SECOND YEAR.

Ambrose, J. D. L.,	Montreal, Q	Kneeland, Warren A.,	Montreal, Q
England, Geo. P.,	Sheffal, Q	Pelletier, Hormisdas Remi,	Marieville, Q
Girouard, Désiré Howard,	Montreal, Q	Vipond, Thomas John,	Montreal, Q
Harvey, Alfred Eugène,	Stanstead, Q		

#### THIRD YEAR.

Barnard, Chas. Austin,	Montreal, Q	Topp, Francis,	Montreal, Q
Clerk, Ronzo Heathcote,	Montreal, Q		

#### PARTIAL.

Barton, Percy,	Montreal, Q	Higginson, Albert,	Montreal, Q
Benedict, Charles,	Montreal, Q	James Edward,	Montreal, Q
Brown, Alex. S.,	Montreal, Q	Massey, Thomas,	Montreal, Q
Campbell, Robert,	Montreal, Q	Mathewson, Frederick,	Montreal, Q
Cleghorn, Henry,	Montreal, Q	Miller, Duncan C.,	Montreal, Q
Fry, Arthur,	Montreal, Q	Miller, John,	Montreal, Q
Fulton, John Napier,	Montreal, Q		

### FACULTY OF MEDICINE.

Adams, W. L., San Francisco, U.S.	Bennie, R., Riverfield, Q.
Addy, G. A. B., St. John, N.B.	Berwick, G. A., Farnham, Q.
Akerly, A. W. K., Fredericton, N.B.	Berwick, R. H., Farnham, Q.
Alexander, W. W., Stantope, P.E.I.	Binmore, J. E., Montreal, Q.
Anderson, A., Montreal, Q.	Bissett, C. P., River Bourgeois, N.S.
Ault, C. A., Oshkosh, Wis.	Booth, J. S., Montreal, Q.
Ault, C. R., Tilsonburg, O.	Bowen, G. A., Compton, Q.
Aylen, W. W., Aylmer, Q.	Bowes, E. J., Ottawa, O.
	Bowie, R. A., Brockville, O.
Bayne, C. W., Merivale, O.	Boyce, B. F., Norham, O.
Beaman, W. H., Montreal, Q.	Broderick, E. J., Fredericton, N.B.
Beers, A. H., Montreal, Q.	Brouse, J. E., Brockville, O.

Brosseau, J. A., Ottawa, O.  
 Brown, F. W. A., Brockville, O.  
 Brown, W. A., Chesterville, O.  
 Brown, G. A., Charlottetown, P.E.I.  
 Bruce, D. A., Grand View, U.S.  
 Burnette, J. T., Cornwall, O.  
 Burritt, C. H., Mitchell, O.  
 Busby, J., Pontviews, O.

Calkin, B. H., Kentville, N.S.  
 Campbell, G. G., Truro, N.S.  
 Corbin, F. G., Bedford, N.S.  
 Carlaw, C. M., Warkworth, O.  
 Carmichael, H. B. W., Montreal, Q.  
 Chabot, J. L., Ottawa, O.  
 Chipman, P. J., Halifax, N.S.  
 Clark, J., Troy, O.  
 Clarke, J. W., Tatamagouche, N.S.  
 Clemesha, J. C., Port Hope, O.  
 Clune, P. J., Warkworth, O.  
 Coburn, A. D., Keswick Bridge, N.S.  
 Coleman, A. H., Belleville, O.  
 Connolly, J. A., Lennoxville, Q.  
 Cooper, W. A., Ormstown, Q.  
 Creasor, J. A., Owen Sound, O.  
 Curtis, I. B., Hartland, N.B.

Day, A. R., Guelph, O.  
 Delaney, W. J., Peterboro', O.  
 Delphey, E. V., Erie, Mich.  
 Dewar, A., Ormond, O.  
 Dickson, N. N., Pembroke, O.

Ellis, T. H., Pembroke, O.  
 Ellis, W. L., St. John, N.B.  
 England, W. S., Dunham, Q.  
 Esson, A. C., Halifax, N.S.  
 Esson, F. G., Halifax, N.S.  
 Evans, D. J., Montreal, Q.

Farwell, W. A., Lennoxville, Q.  
 Fletcher, R. W., Londonderry, N.S.  
 Fulton, J. A., Franklin Centre, O.

Garrow, A. E., Ottawa, O.  
 Gemmill, E. W., Almonte, O.  
 Gibson, R. J., Clinton, O.  
 Glendenning, R. F., Truemanville, N.S.  
 Grafton, E. A., Montreal, Q.  
 Graham, W. C. K., Prescott, O.  
 Grant, H. A., Pembroke, O.  
 Gorrell, A. G., Brockville, O.  
 Green, T. J., Appleton, O.

Halliday, V., Peterboro', O.  
 Hamilton, H. D., Montreal, Q.  
 Hamilton, W. F., Sackville, N.B.  
 Harris, N. M., Ormstown, Q.  
 Harrison, J. D., Fredericton, N.B.  
 Hattie, W. H., New Glasgow, N.S.

Hayes, J., Nelson, N.B.  
 Hayes, Jno., Richmond, Q.  
 Hayes, P. J., Montreal, Q.  
 Henderson, J., Warkworth, O.  
 Hilton, W. L., Montreal, Q.  
 Hogg, D. H., Stratford, O.  
 Holden, D. B., Montreal, Q.  
 Holmes, A. D., Chatham, O.  
 Hopkins, F. A., Cookshire, Q.  
 Hubert, P. T., Harbor Breton, Nfld.  
 Hughes, J. M., Chesterville, O.  
 Hume, G. L., Leeds, O.

Ibbotson, F. A., Montreal, Q.  
 Inkssetter, W. E., Copetown, O.  
 Internoscia, A., Montreal, Q.  
 Irwin, H., Pembroke, O.  
 Irwin, W. T., Pembroke, O.  
 Irving, E., Pembroke, O.

Jack, M. G. DeV., Fredericton, N.B.  
 Jamieson, Thos., Buffalo, N.Y.  
 Jayet, A. A., Montreal, Q.  
 Jenkins, W. E., Conquerall, N.S.  
 Jento, C. P., Melville, O.  
 Johnson, Albert, ———, O.  
 Jones, W. A., Clandeboye, O.

Kee, D. M., Fordyce, O.  
 Keir, E. J., Princeton, P.E.I.  
 Kelley, C. J., West Fiamborough, O.  
 Kemp, H. D., Montreal, Q.  
 Kent, H. V., Truro, N.S.  
 Kerr, N., Holyrood, O.  
 Kerr, W. J., Montreal, Q.  
 King, H. S., Sarnia, O.

Labell, M. J., Lewis, N.Y.  
 Lambert, E. M., Ottawa, O.  
 Lang, F. W., St. Marys, O.  
 Langley, A. F., Victoria, B.C.  
 Lewin, A. A., St. John, N.B.  
 Liddell, G. L., Cornwall, O.  
 Love, A., New Glasgow, O.  
 Lovering, W. T., Northfield, Minn.  
 Low, D., Palmerston, O.

Mader, A. I., New Canada, N.S.  
 Mair, A. W., Clinton, O.  
 Martin, C. F., Montreal, Q.  
 Martin, M. McL., Brown's Creek, P.E.I.  
 Martin, J. M., Brown's Creek, P.E.I.  
 Martin, S. H., Savage Mines, Q.  
 Massiah, W. B. H., Barbadoes, W.I.  
 Masson, H. J., Peterboro', O.  
 Mathieson, C. S., Harrington, P.E.I.  
 Mead, Chas., Morrisburg, O.  
 Meikle, W. F., Morrisburg, O.  
 Mill, J., Aylmer, Q.  
 Morehouse, O. E., Gibson, N.B.

Moore,  
 Morphy  
 Morris,  
 Morris,  
 Morrow  
 Moss, J.  
 Mowat,  
 Muirhes  
 Mulliga  
 Murray,  
 Murray,  
 Murch,  
 McCani  
 McCrim  
 McCurd  
 McDona  
 McDona  
 McDona  
 McDona  
 McDona  
 McEow  
 McEwei  
 McGaur  
 McGreg  
 McGuire  
 McHarg  
 McIntos  
 McKay,  
 McKay,  
 McKee,  
 McKeck  
 McKent  
 McKenzi  
 McKenzi  
 McKerck  
 McKinn  
 McKinn  
 McLellan  
 McLellan  
 McLenn  
 McLeod,  
 McManu  
 McMillar  
 McNally,  
 McPhilli

Noble, C

O'Conno  
 Oliver, A  
 Outwate

Palmer,  
 Park, G.  
 Paterson

- Moore, J. M., Belleville, O.  
 Morphy, A. G., London, O.  
 Morris, O., Pembroke, O.  
 Morris, F., Fareville, N.B.  
 Morrow, W. S., Halifax, N.S.  
 Moss, J. M., Carleton Place, O.  
 Mowat, M. M., Williamstown, O.  
 Muirhead, D. A., Carleton Place, O.  
 Mulligan, E. A., Aylmer, Q.  
 Murray, D. A., Black Meadows, N.S.  
 Murray, M. W., Beachwood, O.  
 Mutch, P. R., St. John, N.B.  
 McCann, E., Smith's Falls, O.  
 McCrimmon, A. A., St. Thomas, O.  
 McCurdy, T., Ormstown, Q.  
 McDonald, M. S., Scotchtown, O.  
 McDonald, H. N., Laggan, O.  
 McDonald, G., Renfrew, O.  
 McDonald, A., Iroquois, O.  
 McDonald, P. A., Alexandria, O.  
 McEown, F., Winnipeg, Man.  
 McEwen, H., Carleton Place, O.  
 McGauran, G. F., Richmond, Q.  
 McGregor, J. G., Martintown, O.  
 McGuire, J. C., Trenton, O.  
 McHarg, R. F., Leeds, O.  
 McIntosh, D. H., Carleton Place, O.  
 McKay, D. T., Clifton, P.E.I.  
 McKay, H. H., Pictou, N.S.  
 McKee, G. L., Coaticook, Q.  
 McKechnie, R. E., Winnipeg, Man.  
 McKenty, J. E., Richmond, Q.  
 McKenzie, P. J., Melbourne, Q.  
 McKenzie, R. T., London, O.  
 McKercher, H., Stittsville, O.  
 McKinnon, T. H., Lockport, N.S.  
 McKinnon, A. J., Kinross, O.  
 McLellan, A. C., Indian River, P.E.I.  
 McLellan, A. A., Summerside, P.E.I.  
 McLennan, D. A., Fournier, O.  
 McLeod, H. S., Dunstaffnage, P.E.I.  
 McManus, H. D., Fredericton, N.B.  
 McMillan, J. H., Pictou, N.S.  
 McNally, H., Fredericton, N.B.  
 McPhillips, X., Winnipeg, Man.
- Noble, C. T., Sutton, O.
- O'Connor, C., Worcester, Mass.  
 Oliver, A. J., Cowansville, Q.  
 Outwater, S. W., Plainfield, O.
- Palmer, P. E., Riverside, N.B.  
 Park, G. H., Quebec.  
 Paterson, L., Harbor Grace, Nfld.
- Patton, H. M., Winnipeg, Man.  
 Peake, J. P., Fredericton, N.B.  
 Phelan, E. D., Montreal, Q.  
 Philp, W. S., Montreal, Q.
- Reed, T. B., Montreal, Q.  
 Reid, J. T., Montreal, Q.  
 Richards, S., Ottawa, O.  
 Robertson, T. F., Brockville, O.  
 Robertson, W., Chesterfield, O.  
 Robertson, E. A., Lennoxville, Q.  
 Richardson, W. B., Chicago, Ill.  
 Robinson, B. E., Orillia, O.  
 Rodgers, W., Montreal, Q.  
 Ross, J., Halifax, N.S.  
 Ross, H. R., Quebec.
- Scovil, W. T., Fredericton, N.B.  
 Shanks, A. L., Huntingdon, Q.  
 Smith, T. H., North Sydney, C.B.  
 Smith, W. D., Plantagenet, O.  
 Smith, C. F., West Winchester, O.  
 Smith, A. G., St. Marys, O.  
 Sparling, A. J., Pembroke, O.  
 Spier, J. R., Lindsay, O.  
 Springle, J. A., Clarenceville, Q.  
 Swail, Wm., Montreal, Q.
- Taplin, M. M., Addison, Q.  
 Taylor, J. N., Ottawa, O.  
 Taylor, T. T., Montreal, Q.  
 Telfer, W. J., Burgoyne, O.  
 Thompson, F. E., Quebec  
 Thompson, J., Moulinette, O.  
 Tremblay, L., Ottawa, O.  
 Troy, W., Valleyfield, Q.  
 Tunstall, A., Montreal, Q.
- Vipond, A. G., Montreal, Q.
- Walker, W. G., Stratford, O.  
 Walsh, T. N., Ormstown, Q.  
 Walsh, W. E., Ormstown, Q.  
 Watson, N. M., Williamstown, O.  
 Webster, R. E., Brockville, O.  
 Wheeler, C. L., Montreal, Q.  
 White, D. D., Montreal, Q.  
 Whyte, J. J., Lancaster, O.  
 Wilson, W. A., Derby, N.B.  
 Williamson, H. M., Guelph, O.  
 Williamson, W. P., Chatham, O.  
 Woodruff, E. H., St. Catharines, O.
- Yates, H. B., Brantford, O.  
 Yorston, F. S., Truro, N.S.

## FACULTY OF ARTS.

*Undergraduates.*

## FIRST YEAR.

<i>Name</i>	<i>School.</i>	<i>Residence.</i>
Anderson, John D.,	Private Tuition,	Tiverton, O
Archibald, Edward,	H. S., Montreal,	Montreal, Q
Aylen, Ernest D.,	Lachute Academy,	Aylmer, Q
Barron, Robt. H.,	Lachute Academy,	Lachute, Q
Blachford, Henry,	Huntingdon Academy,	Huntingdon, Q
Blunt, Henry W.,	Waterloo Academy,	West Bolton, Q
Blunt, Simon B.,	Waterloo Academy,	Knowlton, Q
Brown, Daniel,	Huntingdon Academy,	Morris Flats, Q
Carmichael, S.,	Bishop's College School,	Montreal, Q
Cushing, Harold B.,	H. S., Montreal,	Montreal, Q
Davey, R. George,	Whitby Collegiate Institute,	Whitby, O
Davis, Ernest A.,	Huntingdon Academy,	Morris Flats, Q
Day, Maurice B.,	H. S., Montreal,	Montreal, Q
Drum, Lorne.	Bishop's College School,	Quebec, Q
Ellicott, T. W. H.,	H. S., Montreal,	Montreal, Q
Fraser, Allan,	Huntingdon Academy,	Dundee, Q
Fraser, Alex. D.,	Huntingdon Academy,	Dundee, Q
Grisbrook, Ed. O.,	Private Tuition,	Sarnia, O
James, K. G. H.,	Clifton, England,	Bristol, Eng
Jaquays, H. M.,	Sutton Academy,	Sutton, Q
Jekill, Henry,	Dioc. Theological College,	Morris Flats, Q
Kollmyer, W. Hector,	H. S., Montreal,	Montreal, Q
Mallarg, Robert J.,	St. Francis College,	Quebec, Q
MacIver, E. J.,	H. S., Montreal,	Montreal, Q
McKenzie, Wm.,	H. S., Morrisburg,	Morrisburg, O
McLennan, Kenneth,	H. S., Alexandria,	Alexandria, O
Meade, Charles J.,	H. S., Morrisburg,	Morrisburg, O
Meikle, Wm. F.,	H. S., Morrisburg,	Morrisburg, O
Mitchell, R. J. W.,	H. S., Montreal,	Montreal, Q
Patterson, Wm,	Ottawa Collegiate Inst.	Cautley, Q
Pritchard, Wm. S.,	H. S., Harriston,	Redgrave, O
Read, George E.,	Cherville College,	Romsey, Eng.
Robertson, A.,	H. S., Weston,	Woodbridge, O
Robins, George D.,	H. S., Montreal,	Montreal, Q
Rodger, David A.,	Lachute Academy,	Genoa, Q
Ross, Robert O.,	Baddock Ac., C.B.,	Margaree, C.B
Russell, Wm.,	H. S., Montreal,	Matane, Q
Ryan, Percy C.,	Ottawa Collegiate Inst.,	Montreal, Q
Sadler, Thomas A.,	Huntingdon Ac.,	Dewitville, Q
Shaw, Henry S.,	H. S., Montreal,	Montreal, Q
Smyth, Walter H.,	H. S., Montreal,	Montreal, Q
Taylor, James,	Ottawa Collegiate Inst.	Ottawa, O
Thompson, James,	Lachute Ac.,	Bristol, Q
Wasson, Hilliard,	Peterboro Collegiate Inst.	Warsaw, O
Williams, Edward J.,	H. S., Pembroke	Montreal, Q
Wood, Arthur B.,	H. S., St. John's, Q.,	St. John's, Q
SECOND YEAR.		
Cameron, Donald E.,	H. S., Montreal,	Montreal, Q
Cole, Arthur A.,	H. S., Montreal,	Montreal, Q
Craik, Galen,	Huntingdon Ac.,	Rockburn, Q
Dobson, John R.,	Pictou Academy,	Pictou, N S

Ellenw.  
Flinn, J  
Gunn,  
Guthrie  
Harris,  
Hamilton  
Henders  
Hipp, E  
Holden,  
Hunter,  
LeRo  
McApir  
McDoug  
McGreg  
McLeod,  
Moore, I  
O.iver,  
Orton, F  
Reeves,  
Russell,  
Tees, Jol  
Warne,  
Whyte,  
Whyte,  
Young, F

Cameron  
Colcloug  
Daley, J  
Davidson  
Elliott, J  
Elliott, E  
Finch, C.  
Fraser, D  
Fry, Fred  
Hall, Ale  
Hunter, J  
Kinghor  
McGregor  
McDouga  
McDuffee,  
McVicar,  
Mack, Sil

Deeks, W  
Garth, W  
Gibson, V  
Holden, D  
Jamieson,  
McCusker  
Mackenzie

Ellenwood, Wm. R.,	Private Tuition,	Yarmouth, N S
Flinn, John W.,	Pictou Academy,	Wallace, N S
Gunn, Wm. Thos.,	H. S., Montreal,	Montreal, Q
Guthrie, Donald,	Guelph Collegiate Inst.,	Guelph, O
Harris, Wm.,	St. Catharine's Collegiate Inst.,	Brantford, O
Hamilton, Dan. S.,	Private Tuition,	Ravenswood, O
Henderson, Wm. A.,	St. Mary's Collegiate Inst., O.,	Stanstead, Q
Hipp, E. G.,	King's College, London Eng.,,	Montreal, Q
Holden, Arthur R.,	H. S., Montreal,	Montreal, Q
Hunter, James C.,	H. S. Pembroke,	Pembroke, O
LeRoisinol, W. J.,	H. S., Montreal,	Montreal, Q
McAlpine, John J.,	Stanstead Wesleyan Coll.,	Welland, O
McDougall, G. W.,	H. S., Montreal,	Montreal, Q
McGregor, John M.,	H. S., Montreal,	Montreal, Q
McLeod, Norman A. D.,	Pictou Academy,	Lochside, N S
Moore, Levi,	Lachute Academy,	Lachute, Q
O.iver, William,	Huntingdon Academy,	Rockburn, Q
Orton, Richard H.,	Guelph Collegiate Inst.,	Guelph, O
Reeves, Arch. C.,	Huntingdon Academy,	Ormsdown, Q
Russell, Andrew,	Private Tuition,	Bristol, Q
Tees, John,	H. S., Montreal,	Montreal, Q
Warne, James F.,	Stanstead Wesleyan Coll.,	Eastman, Q
Warne, Wm. A.,	Stanstead Wesleyan Coll.,	Eastman, Q
Whyte, George	St. Francis College,	Leeds Village, Q
Whyte, Jas. T.,	H. S., Almonte,	Manotick, O
Young, Henry C.,	Barton	North Troy, Vt., U S

THIRD YEAR.

Cameron, John A.,	Huntingdon, Q	Mathewson, George H.,	Montreal, Q
Coleclough, Wm. F.,	St. Catharines, O	Moore, Saml.,	Mille Isles, Q
Daley, James,	Stouffville, O	Moss, W. T. D.,	Portage la Prairie, Man
Davidson, Peers,	Montreal, Q	Nicholls, Albert G.,	Montreal, Q
Elliott, James A.,	Shawville, Q	Parker, John,	Leeds Village, Q
Elliott, Edward A.,	Ulverton, Q	Paton, W. E.,	Sherbrooke, Q
Finch, C. W.,	Caledonia, O	Reid, William D.,	Maple Hill, Q
Fraser, D. J.,	Alberton, P.E.I.	Richardson, P. L.,	Lyn, O
Fry, Fred. M.,	Montreal, Q	Robertson, Andrew A.,	Montreal, Q
Hall, Alex. R.,	Montreal, Q	Ross, Joseph J.,	Dewittville, Q
Hunter, Alexander,	Bute, Q	Sutherland, Hugh C.,	Embros, O
Kinghorn, H. M.,	Montreal, Q	Swanson, Isaac J.,	Stouffville, Q
McGregor, A. M.,	Montreal, Q	Tolmie, Alexander,	Montreal, Q
McDougall, R. bert,	Ormsdown, Q	Tory, H. M.,	Montreal, Q
McDuffee, Lewis P.,	Stanstead, Q	Trenholme, Edward C.,	Montreal, Q
McVicar, Donald,	Strathroy, O	Walsh, Alex. W.,	Huntingdon, Q
Mack, Silas W.,	Ayer's Flat, Q		

FOURTH YEAR.

Deeks, W. E.,	North Williamsburg, O	Meighen, F. S.,	Montreal, Q.
Garth, W. H.,	Montreal, Q	Read, F. W.,	Montreal, Q
Gibson, W. D.,	Morrisburg, O	Robertson, James,	Waddington, N.Y., U.S
Holden, Donald B.,	Montreal, Q	Rogers, William,	Lakefield, O
Jamieson, Walter L.,	Montreal, Q	Stevenson, James H.,	South Dummer
McCusker, S. F.,	Hawkesbury, O	Truell, Harry V.,	Stanstead, Q
Mackenzie, R. T.,	Almonte, O	Walsh, Thos. N.,	Ormsdown, Q

al, Q  
al, Q  
rn, Q  
, N S

## Partial and Occasional.

[A *Partial Student* may, without passing the Entrance Examination, take the same course as an Undergraduate, and must take at least three classes. Undergraduates and Partials are Matriculated Students. An *Occasional Student* takes less than three classes. *Partial Students* are indicated by \*.]

*Bullock, W. S.,	Roxton Pond, Q	*Kennedy, John,	Cónn. Co., Wel-		
*Caldwell, Henry,	Carney, O		lington, O		
*Cameron, Henry J.,	Cowansville, Q	*Lambly, M. O.,	Inverness, Q		Na
*Dibb, F. T.,	Montreal, Q	*Lambly, W. D.,	Inverness, Q		Angus,
*Dixon, James C.	Montreal, Q	*Lord, H. L.,	Grande Ligne, Q		Boright
*Dougall, F. E.,	Montreal, Q	*McInnes, J. R.,			Campb
*Eadie, Robert	Sherbrooke, Q	*Morris, John T.,	Whitby, O		Craig, I
*Eagleton, Joseph,	Montreal, Q	*Oaten, Fred. J.,	Bracebridge, O		Hunt, I
*Flagg, Edwin,	Morrisburg, O	*Rankin, John,	Montreal, Q		Leach, I
*Graham, George D.,	Ottawa, O	*Sanderson, Albert E.,	Bowmanville, O		Lyman,
*Judge, Percival E.,	Montreal, Q	*Tener, R.,	Montreal, Q		McCoy,
					MacDon
					Pitcher,
Ballantyne, R. S.,	Dunbar, O	Maynard, E.	St. Brigide, Q		Raynes,
Biron, M. W.,	Masham Mills, Q	Maynard, Joseph,	St. Brigide, Q		Ross, Jc
Blunt, Forest H.,	Knowlton, Q	Maynard, Moise,	St. Brigide, Q		Tatley,
Bouchard, L. R.,	Sherbrooke, Q	McDiarmid, Archd. H.,	Dornoch, O		
Campbell, D.,	Montreal, Q	McLaren, Narcisse,	Chicoutimi, Q		
Campbell, Archibald M.,	Montreal, Q	Mitchell, Wm. H.,	Drummondville, Q		
Charles, Guillaume,	Montreal, Q	Morison, J. A.,			Baillie, .
Clendinnen, G. S.,	Ottawa, O	Page, Arthur,			
Coffin, James W.,	Montreal, Q	Robertson, David T.,	Madrid, O		Hall, Be
Cook, Wm. Archibald,	Montreal, Q	Rollet, Charles D.G.,	Montreal, Q		McGrego
Fyles, W. B. (B. A.),	Montreal, Q	St. Aubin, T. S.,	Montreal, Q		McMillar
Giroulx, L.,	Duclos, Q	Sauvé, N. A.,	Hull, Q		Mewhort
Gourlay, J. J. L.,	Carp, O	Scott, M. S.			
Horsey, H. E.,	Kingston, Q	Sullivan, James J.			
Jackson, F. S.,	Montreal, Q	Thompson, John Stuart			
Lloyd, J.					
					Abbott M
					Binmore,
Baillie, J. E. S.,	Hamilton, O	McLeod, John William,	Kirkhill, O		
Black, John F.,	Colquhoun, O	*Manning, Charles E. M.,	Montreal, Q		Botterell
Cameron, Malcolm J.		*Mitchell, Thomas A.,	Linder, N.S.		Botterell
Chantler, William N.,	West Assa	Moore, Clurchill, Economy, Col. Co.,	N.S.		
Cleary, I. R. S.					
Capel, E. T.,	Montreal, Q	Patton, Walter M.,	Montreal, Q		
*Humphrey, J. W.,	Cowansville, Q	Tory, James C.,	Guysboro, N.S.		Reid, Hel
Lee, Wilberforce,	Toronto, O	Tripp, Frederick,	Spenceville, O		Squire, M
MacCallum, Charles A.,	Montreal, Q	Walsh, William E.			
*MacCaskill, D. D.,	Little Narrows, C.B.				
Ashton, John J.,	Newcastle, O	*Long, James A.,	Lavender		Blachford
Barnes H. T.,	Montreal, Q	Porter, G. H.,			Coussirat
Harrison, —,		Runions, John W.,	Northfield, O		De Witt.
*Hausen, J. F.,	Montreal, Q	*Watt, William James,	Montreal, Q		Finlay, M
McLeod, —,					Galt, O.,
					Holland,
Beattie, W. J. M.,	Mille Isles, Q	Interoscia, Jerome,	Montreal, Q		
Fluhman, E. F.,	Namur, Q				
					Parrie, Je
					lazin, L.
					lazin, M.
					Blake, R.,



## SPECIAL COURSE FOR WOMEN.

*Undergraduates.*

## FIRST YEAR.

<i>Names.</i>	<i>School.</i>	<i>Residence.</i>
Angus, Frances R.,	G. H. S., Montreal,	Montreal, Q.
Boright, Mabel,	Sutton Ac.,	Sutton, Q.
Campbell, Kate M.,	G. H. S., Montreal	Montreal, Q.
Campbell, R.F.,	McG. Normal School,	Montreal, Q.
Craig, Eleanor.	McG. Normal School,	Montreal, Q.
Hunt, Louisa E.,	McGill Normal School,	Lennoxville, Q.
Leach, Milda,	Misses Symmers & Smith,	Montreal, Q.
Lyman, Helen W.,	G. H. S., Montreal,	Montreal, Q.
McCoy, Emma C.,	Huntingdon Ac., Q.,	Rockburn, Q.
MacDonald, Minnie L.,	G. H. S., Montreal,	Montreal, Q.
Pitcher, Ethelwyn	H.S., Morrisburg,	Montreal, Q.
Raynes, Ethel,	G. H. S., Montreal,	Montreal, Q.
Ross, Jessie K.,	G. H. S., Montreal,	Montreal, Q.
Tatley, Eleanor,	Private Tuition,	Montreal, Q.

## SECOND YEAR.

Baillie, Jeanie F., Putnam Co., Florida,	Moffatt, Eva L.,	Gananoque, Q.
	U.S.	Montreal, Q.
Hall, Bessie,	Mooney, Caroline J.,	Montreal, Q.
McGregor, E B., (McG. N.S.)	Patterson, Mary L., (McG. N. S.)	Clarenceville, Q.
McMillan, Helen,	Robinson, Maude Alice,	Montreal, Q.
Mewhort, Louise,	St Anne, Q.	Smith G. Louise,
		Montreal, Q.

## THIRD YEAR.

Abbott Maude M.,	St. Andrew's, Q.	Derick, Carrie M.,	Clarenceville, Q.
Binmore, Elizabeth, (McG. N. S.)	Montreal, Q.	Henderson, Mary J.,	Montreal, Q.
Botterell, H. Inez R.,	Montreal, Q.	Macfarlane, Mira,	Montreal, Q.
Botterell Jeanie T.,	Montreal, Q.	Scott, Sarah B.,	Montreal, Q.
		Williams, Annie,	Montreal, Q.

## FOURTH YEAR.

Reid, Helen B.,	Montreal, Q.	Wilson, Alice Maud,	Montreal, Q.
Squire, Maude M.,	Gananoque, O.		

*Partial.*

Blachford, Agnes C.,	Montreal, Q.	Locke, Margaret,	Montreal, Q.
Coussirat, Eve J.,	Montreal, Q.	McDuffee, Mary E.,	Derby Line, Vt.
De Witt, Emily F.,	Montreal, Q.	Mussen, Ethel I.,	Montreal, Q.
Finlay, Margaretta,	Montreal, Q.	Steene, Henrietta,	Farran's Point
Galt, O.,	Montreal, Q.	Robins, L. B.,	Montreal, Q.
Holland, Gertrude E.,	Montreal, Q.		

*Occasional.*

Farrie, Jessie,	Morrisburg, O.	Campbell, Maude,	Montreal, Q.
Lazin, L. C.,	Montreal, Q.	Campbell, May,	Montreal, Q.
Lazin, M.,	Montreal, Q.	Campbell, E. M.,	Montreal, Q.
Blake, R.,	Montreal, Q.	Campbell, C. J. L.,	Montreal, Q.

Cowlie, Emily,	Montreal, Q	Monk, Isa M.,	Montreal, Q
Darling, M. I.,	Montreal, Q	Moyse, Helen,	Torquay, Eng
Dawson, E.,	Montreal, Q	Murray, E. A. P.,	Montreal, Q
Duncan, C. Jane,	Campbelltown, N.B	Norman Charlotte,	Montreal, Q
Evans, Blanche B.,	B.A., Montreal, Q	Power, Florence,	Montreal, Q
Evans, Mabel N.,	Montreal, Q	Radford, Annie E.,	Montreal, Q
Finley, E. M.,	Montreal, Q	Richardson, C.,	Montreal, Q
Finley, M. S.,	Montreal, Q	Robertson, Agnes,	Montreal, Q
Fisher, A. R.,	Montreal, Q	Schaiter, Marie,	Montreal, Q
Fisher, Gertrude,	Montreal, Q	Scott, Marguerite L.,	Montreal, Q
Gairdner, P.,	Montreal, Q	Skelton, A. R.,	Montreal, Q
Gault, M. F.,	Montreal, Q	Simms, A. F.,	Montreal, Q
Hunter, Georgina, B.A.,	Montreal, Q	Slessor, Christina,	Montreal, Q
Johnson, E.,	Montreal, Q	Stevenson, W. T.,	Montreal, Q
Johnson, H.,	Montreal, Q	Tatley, H.,	Montreal, Q
Johnson, N.,	Montreal, Q	Thompson, M. W.,	Montreal, Q
Joseph, Carrie,	Montreal, Q	Wand, Mabel	Montreal, Q
Kennedy, L. M.,	Montreal, Q	Warden, Lila,	Montreal, Q
Lamb, L.,	Montreal, Q	Watt, Edith,	Montreal, Q
Macrae, Mabel,	Montreal, Q	Waud, Emily M.,	Montreal, Q
Mattice, Brenda B.,	Montreal, Q	Whitehead, A. Maud,	Montreal, Q
McLea, Rosalie,	Montreal, Q	Wilson, Margaret,	Montreal, Q
McNaughton, M.,	Montreal, Q	Williams, Ella E.,	Montreal, Q
Michaels, N.,	Montreal, Q	Williams, Sarah H.,	Montreal, Q
Mills, Alice,	Montreal, Q	Vipond, M.,	Montreal, Q
Minchin, Louise K.,	Montreal, Q		

Adams,  
Bolton,  
Copelat  
Cunning  
Denis, T  
Feathers  
Fraser, V  
Klock, A  
Lawrie,  
Le Ross,  
Mitchell,

Bickerdik  
Bulman, V  
Middleton  
McCall, J  
McCrea, C  
Ramsay, I  
Russell, H

MORRIN COLLEGE, QUEBEC.

*Undergraduates.*

Anderson, Duncan P.,	Levis, Q	Logie, Edward S.,	Leeds, Q
Arnold, James, Broughty Fy.,	Scotland	Macleod, Euphemia,	Quebec
Blue, John H. F.,	Metis, Q	McCullough, Robert,	Inverness, Q.
Brown, Martha Lucinda,	Quebec	McDonald, Simon,	Quebec
Brodie, Charles E.,	Quebec	McLeod, Thos., G.J. McT.,	Chatham, N.B.
Craig, N. Hugh,	Marlow, Q.	Pidgeon, George Campbell,	Maria, Q.
Desbrisay, Charles T.,	Jacquet R., N.B.	Robertson, Adam,	Edinburgh, Scotland
Fisher, Ethel Wand,	Quebec	Sloane, Edith Jane,	Quebec
Hale, Edward Rupell,	Quebec	Sloane, Samuel T.,	Quebec
Jamieson, David M.,	Inverness, Q.	Smith, George H.,	Hawkesbury, Ont.
Jamieson, William J.,	Inverness, Q.	Tanner, John F. E.,	Levis, Q.
Lindsay John,	Danville, Q.	Webb, Jas. Douglas,	Quebec
Livingston, Neil,	Hampden, Q.	Whitelaw, James Menzies,	Valcartier, Q

Calvert, S.  
Denison, W  
Ellacott, C  
Evans, P. I  
Hawkins, A  
Jamieson, I  
Lea, R.,

*Partial Students.*

Anderson, Duncan,	Quebec	McCord, Wm. W.,	Quebec
Breakey, Andrew,	Quebec	Meiklejohn, Louisa,	Quebec
Hale, Trevor A.,	Quebec	Russell, Robert,	Quebec
MacNaughton, Frank,	Quebec	Tanner, Olympe M.,	Quebec
McLeod, James St. M.,	Quebec		

Antliff, J. H  
Addie, G. K  
Edwards, G.  
Hersey, M. I  
McFarlane, J

ST. FRANCIS COLLEGE, RICHMOND.

*Undergraduates.*

Bannister, Alex. M.,	Oakland, O	McKenzie, R. J.,	M-lbourne, Q
Bayne, N. M.,	Leeds, Q	McLeay, A. A.,	Danville, Q
Bowden, W.,	Richmond, Q	McLeod, A. J.,	Brompton, Q
Dickson, E. H. T.,	Kingsey, Q	Pennoyer, Alex.,	Sherbrooke, Q
Fraser, Hortense C.,	Durham, Q	Wilson, E. K.,	Leeds, Q
McConnell, J. H.,	Drummondville, Q		

Brown, J. C.,  
Cook, G. C.,  
Costigan, J. S  
Drummond, A  
Grant, —  
Hopkins, N. V

## FACULTY OF APPLIED SCIENCE.

## FIRST YEAR.

Adams, W. C.,	Montreal, Q	Murphy, P. J.,	Quebec Q
Bolton, E.,		Pink, L. N.,	
Copeland, L. B.,	Montreal Q	Rutherford, F.,	Montreal, Q
Cunningham, W. N.,		Ryan, A. J.,	
Denis, T.,	France	Simpson, L.,	
Featherston, J. H.,	Montreal, Q	Smart, W. C. G.,	Hamilton, O
Fraser, W. F.,	Pembroke, O	Tasker, G. P.,	Montreal, Q
Klock, A.,	Aylmer, Q	Turner, J. A.,	Hamilton, O
Lawrie, W. P.,	Quebec, Q	Warren, W. H.,	
Le Rossignol, P. H.,	Montreal, Q	Wainwright, J. G. R.	
Mitchell, G.,	New Glasgow, N S		

## SECOND YEAR.

Bickerdike, R.,	Montreal, Q	Schwitzer, J. E.,	Ottawa, O
Bulman, W. J.,	Sweetsburg, Q	Stone, E. A.,	Montreal, Q
Middleton, P. H.,	Montreal, Q	Stuart, H.,	Montreal, Q
McCall, A. E.,	Belleville, O	Walker, W. H.,	Montreal, Q
McCrea, G. E.,	Merrickville, O	Wingham, T. H.,	Montreal, Q
Ramsay, H. M.,	Cote St. Antoine, Q	Williams, M. L.,	Montreal, Q
Russell, H. Y.,	Montreal, Q		

## THIRD YEAR.

Calvert, S.,	Rockdale, England	Mattice, E. E. S.,	Cornwall, Q
Denison, W. S.,	Denison's Mills, Q	Mooney, G. W.,	Montreal, Q
Ellacott, C. H.,	Cote St. Antoine, Q	Redpath, P. W.,	Montreal, Q
Evans, P. N.,	Montreal, Q	Rexford, O.,	Knowlton Landing, Q
Hawkins, A. H.,	Listowel, O	Reed, C. B.,	Montreal, Q
Jamieson, R. H.,	Montreal, Q	Shuttleworth, A. E.,	Mount Albert, O
Lea, R.,	Crapaud, P E I	Smaad, W.,	Montreal, Q

## FOURTH YEAR.

Antliff, J. H.,	Montreal, Q	McLennan, M. J.,	Williamstown, O
Addie, G. K.,	Sherbrooke, Q	Naismith, P. L.,	Pembroke, O
Edwards, G. M.,	Montreal, Q	Strong, A. W.,	Summerside, P.E.I.
Hersey, M. L.,	Montreal, Q	Tuplin, J. P.,	New Annan, P.E.I.
McFarlane, M. C.,	Almonte, O	Young, A.,	Almonte, O

*Partial Students.*

Brown, J. C.,	Montreal, Q	Purves, J.,	
Cook, G. C.,	Canso, N.S.	Rankine, —	Montreal, Q
Costigan, J. S.,	Montreal, Q	Sullivan, J. J. S.,	Valleyfield, Q
Drummond, A. L.,	Montreal, Q	Stevenson, J. A.,	
Grant, —,		Tighe, J.,	Co. Cavan, Ireland
Hopkins, N. W.,	Hamilton, O	McLeod, N.,	Lochside, N.S

SUMMARY.

Students in Law, McGill College.....	27
“ in Medicine “ .....	243
“ in Arts (Mem) “ { Undergraduates, 123 } .....	205
“ Special Course for Women—	
{ Undergraduates, 36 } .....	
{ Partial, 11 } .....	106
{ Occasional, 59 } .....	
“ in Applied Science, { Undergraduates.....	58
{ Partial.....	12
“ in Arts, Morrin College, Undergraduates and Partials.....	35
“ “ St. Francis College, Undergraduates.....	12
<b>Total number of Students.....</b>	<b>698</b>
Deduct entered in two Faculties.....	5
	693
Teachers-in-training in Normal School.....	98
<b>Total Students.....</b>	<b>791</b>

No.  
 11. I  
 12. C  
 34. A  
 70. J  
 81. A  
 33. J  
 6. W  
 82. E  
 16. W  
 3. Al  
 127. M  
 27. M  
 85. R  
 22. J  
 103. Al  
 54. Ag  
 58. Ar  
 72. C  
 18. All  
 24. Ma  
 57. Per  
 10. Alf  
 129. F.  
 4. Lesl  
 111. Syd  
 126. Jent  
 5. Jam  
 56. Luc  
 128. Flor  
 74. John  
 145. Geor  
 148. Will  
 14. Geor  
 43. Mary  
 13. John

## School Certificates of the Universities.

STANDING IN THE EXAMINATIONS, 1889.

ASSOCIATES IN ARTS.

### I. Candidates under 18 years of age.

No.		1258 Marks.
11.	Louis Greenberg (High School, Montreal),	1175 "
12.	Charles C. Gurd (High School, Montreal),	1113 "
34.	Angus R. Mackay (Eliock School, Montreal),	1105 "
70.	James T. Brown (Huntingdon Academy),	1079 "
81.	Alexander Cruikshank (Inverness Academy),	1077 "
33.	Joseph W. A. Hickson (Eliock School, Montreal),	1061 "
6.	William Donahue (High School, Montreal),	1059 "
82.	Edward M. Campbell (Inverness Academy),	1048 "
16.	William M. MacKeracher (High School, Montreal),	1031 "
3.	Alfred T. Bazin (High School, Montreal),	1026 "
127.	Mary Jane Pearce (Girls' Academy, Sherbrooke),	1017 "
27.	Mary A. LeRossignol (Girls' High School, Montreal),	990 "
85.	Robert J. Hanran (Inverness Academy),	984 "
22.	Jessie Ballantyne (Girls' High School, Montreal),	969 "
103.	Alexander Brodie (High School, Quebec),	960 "
54.	Agnes A. Carter (Cowansville Academy),	958 "
58.	Arthur Burnet (Cowansville Academy),	953 "
72.	Cecil L. Brown (Huntingdon Academy),	930 "
18.	Albee A. Skeels (High School, Montreal),	928 "
24.	Margaret Craig (Girls' High School, Montreal),	916 "
57.	Percy H. Gregory (Cowansville Academy),	914 "
10.	Alfred W. Gifford (High School, Montreal),	912 "
129.	F. Nellie Brown (Girls' Academy, Sherbrooke),	907 "
4.	Leslie H. Boyd (High School, Montreal),	903 "
111.	Sydney M. Dickson (St. Francis Coll. School, Richmond),	895 "
126.	Jennie Rugg (Girls' Academy, Sherbrooke),	872 "
5.	James Cox (High School, Montreal),	871 "
56.	Lucy A. Oliver (Cowansville Academy),	870 "
128.	Florence Moy (Girls' Academy, Sherbrooke),	869 "
74.	John McGerrigle (Huntingdon Academy),	868 "
145.	George F. Allen (Waterloo Academy),	864 "
148.	William T. Freeland (Waterville Model School),	856 "
14.	George W. Henderson (High School, Montreal),	833 "
43.	Mary L. Bush (Clarenceville Academy),	
13.	John J. Hamilton (High School, Montreal),	

27

243

205

106

58

12

35

12

698

5

693

98

791

75. Rosalind Watson (Huntingdon Academy),	832	Marks,	62.
28. Gracie H. Tickle (Girls' High School, Montreal),	827	"	149.
134. Charles H. Mansur (Stanstead Wesleyan College),	823	"	25.
55. William F. Carter (Cowansville Academy),	821	"	124.
132. Ethel L. Gale (Stanstead Wesleyan College),	806	"	118. 1
112. Harriet A. Fraser (St. Francis Coll. School),	805	"	42. 1
21. Marion Evelyn Antliff (Girls' High School, Montreal),	802	"	40. 1
79. John W. Blackett (Huntingdon Academy),	} 801	"	38. 2
88. Barbara A. Brown (Inverness Academy),			
15. Ernest Linton (High School, Montreal),	792	"	
32. Ella May Sicotte (Misses Symmers & Smith's School, Montreal)	789	"	
104. Edward J. C. Chambers (High School, Quebec),	789	"	130. M
31. Blanche Spence (Misses Symmers & Smith's School),	783	"	65. L
131. Jennie Mills (Stanstead Wesleyan College),	779	"	
60. Alice L. Selby (Dunham Academy),	773	"	
78. Frederick S. Spearman (Huntingdon Academy),	772	"	67. H
133. May Henderson (Stanstead Wesleyan College),	760	"	
87. Peter McKenzie (Inverness Academy),	755	"	
23. Isabel E. Brittain (Girls' High School, Montreal),	751	"	
80. John McMullan (Huntingdon Academy),	742	"	
59. Nellie F. Selby (Dunham Academy),	741	"	
26. Jennie Hughes (Girls' High School, Montreal),	733	"	
61. Julia S. Clement (Dunham Academy),	707	"	
64. Annie E. McDonald (Gould Model School),	685	"	
116. J. Armitage Ewing (St. Francis Coll. School),	679	"	
47. Fannie E. Baldwin (Coaticook Academy),	653	"	
9. Frank C. Fraser (High School, Montreal),	647	"	
17. Arthur W. K. Massey (High School, Montreal),	609	"	
48. Laura L. Foster (Coaticook Academy),	482	"	
<i>II. Candidates over 18 years of age.</i>			
73. John A. McMaster (Huntingdon Academy),	937	"	
84. William S. Johnson (Inverness Academy),	913	"	
69. Margaret B. Walker (Huntingdon Academy),	906	"	
108. Catherine M. M. Howard (St. Francis College School),	880	"	
105. Isabella Brodie (Girls' High School, Quebec),	873	"	
115. Theresa F. Bannister (St. Francis College School),	861	"	
49. Henrietta E. Keough (Coaticook Academy),	838	"	
144. Annie M. Warne (Waterloo Academy),	746	"	
36. Carrie M. Sulis (Girls' High School, St. John, N.B.),	714	"	
121. Lionel Hodgins (Shawville Academy),	704	"	

The fol  
lation.

Allen, G  
Armitage  
Baldwin,  
Ballantyne  
Brodie, A  
Brown, C  
Brown, F.  
Brown Ja  
Burnet, A  
Bush, Mar  
Carter, A  
Carter, W  
Chambers  
Chilcott, T  
Darling, R  
Dickson, S  
Donahue, J  
Draper, Be  
Foster, La  
Fraser, Ha  
Gale, Ethe  
Gregory, F  
Gurd, Cha  
Hamilton, J  
Henderson,  
Hickson, J

2 Marks,	62. Agnes M. Johnson (Dunham Academy),	690 Marks.
7 "	149. Elizabeth J. Ball (Waterville Model School),	686 "
3 "	25. Effie S. Gurd (Girls' High School, Montreal),	676 "
1 "	124. William E. Morehouse (Sherbrooke Boys' Academy),	649 "
5 "	118. Robert McMorine (St. Francis College School),	619 "
;	42. Hannah M. McLean (Girls' High School, St. John, N.B.),	576 "
;	40. Helen E. Furns (Girls' High School, St. John, N.B.),	570 "
;	38. Zebie F. Murray (Girls' High School, St. John, N.B.),	566 "

## JUNIOR CERTIFICATES.

## I. Under 18 years of age.

130. Margaret McLellan (Girls' Academy, Sherbrooke),	565 "
65. Louisa H. Chalmers (Granby Academy),	456 "

## II. Over 18 years of age.

67. Howard L. Hindley (Granby Academy),	437 "
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## MCGILL UNIVERSITY, MONTREAL.

The following candidates have passed the Examinations required for Matriculation.

## I. In Arts.

Allen, George F.,	Waterloo, Q	Hodgins, Lionel,	Shawville, Q
Armitage, Wm. D.,	Shawville, Q	Howard, Catharine M. M.,	Windsor Mills, Q
Baldwin, Fannie E.,	Coaticook, Q	Johnson, Wm. S.,	Clapham, Q
Ballantyne, Jessie,	Montreal, Q	Johnston, Agnes M.,	Dunham, Q
Brodie, Alex.	Quebec, Q	Keough, Henriette E.,	Coaticook, Q
Brown, Cecil L.,	Port Lewis, Q	LeRossignol, Mary A.,	Montreal, Q
Brown, F. Nellie,	Lennoxville, Q	McDonald, Annie E.,	Gould, Q
Brown James T.,	Huntingdon, Q	McGerrigle, John,	Ormstown, Q
Burnet, Arthur,	Farnham Centre, Q	MacKeracher, Wm. M.,	Montreal, Q
Bush, Mary L.,	Clarenceville, Q	McMaster, John A.,	Huntingdon, Q
Carter, Agnes A.,	Cowansville, Q	Mansur, Chas. H.,	Stanstead, Q
Carter, Wm. F.,	Cowansville, Q	Moffatt, David S.,	Irvine, Q
Chambers, Ed. J. C.,	Quebec, Q	Moy, Florence,	Sherbrooke, Q
Chilcott, Thos. E.,	Burford, O	Naylor, Harry A.,	Shawville, Q
Darling, Robt.,	Dartford, O	Oliver, Lucy A.,	Cowansville, Q
Dickson, Sydney M.,	Trenholmville, Q	Pearce, Mary Jane,	Lennoxville, Q
Donahue, Wm.,	Montreal, Q	Rugg, Jennie,	Sherbrooke, Q
Draper, Benj. B.,	Listowel, O	Selby, Nelly F.,	East Dunham, Q
Foster, Laura L.,	Coaticook, Q	Simpson, Andrew R.,	Guelph, O
Fraser, Harriet A.,	Richmond, Q	Skeels, Albee A.,	Montreal, Q
Gale, Ethel L.,	Quebec, Q	Spence, Blanche,	Montreal, Q
Gregory, Percy H.,	Cowansville, Q	Tickle, Gracie H.,	Montreal, Q
Gurd, Chas. C.,	Montreal, Q	Walker, Margaret B.,	Huntingdon, Q
Hamilton, John J.,	Montreal, Q	Watson, Rosalind,	Huntingdon, Q
Henderson, May,	Stanstead, Q	Whiteside, Orten E.,	Metcalfe, O
Hickson, Jos. W. A.,	Montreal, Q		

## II. In Applied Science.

Bazin, Alfred T.,	Montreal, Q	Hanran, Robt. J.,	Inverness, Q
Blackett, John W.,	Huntingdon, Q	Henderson, Geo. W.,	Montreal, Q
Boyd, Leslie H.,	Montreal, Q	Howe, Ralph E.,	St Johns, Q
Camjbell, Ed. M.,	Inverness, Q	Jordan, John E.,	Coaticook, Q
Cox, James,	Montreal, Q	Linton, Ernest,	Montreal, Q
Cruikshank, Alex.,	Inverness, Q	Mackay, Angus R.,	Montreal, Q
Ewing, J. Aimitage,	Richmond, Q	McKenzie, Peter,	Inverness, Q
Foster, Goldwin,	Montreal, Q	McMorine, Robert,	Richmond, Q
Fraser, Frank C.,	Montreal, Q	McMullan, John,	Orms-town, Q
Freeland, Wm T.,	Waterville, Q	Morehouse, Wm. E.,	Sherbrooke, Q
Gifford, Alfred W.,	Montreal, Q	Spearman, Fred. S.,	Huntingdon, Q
Greenberg, Louis,	Montreal, Q		

## STANDING IN THE SEVERAL SUBJECTS.

[The numbers correspond with those in the preceding list. Candidates whose numbers are in parentheses are equal in standing. Those preceding an asterisk have obtained at least two-thirds of the marks, those following at least one-third. Numbers 1-19 are from the Montreal High School; 21-28 from the Girls' High School, Montreal; 31, 32 from Misses Symmers and Smith's School, Montreal; 33, 34 from Eliock School, Montreal; 35 Private Tuition; 36-42 from Girls' High School, St. John (N. B.); 43-46 from Clarenceville Academy; 47-52 from Coaticook Academy; 53 from Compton Ladies' College; 54-58 from Cowansville Academy; 59-63 from Dunham Academy; 64 from Gould Model School; 65-68 from Granby Academy; 69, 70, 72-76, 78-80 from Huntingdon Academy; 81-88 from Inverness Academy; 89 from Knowlton Academy; 90-98 from Lachute Academy; 99, 100 from Lacolle Academy; 103, 104 from High School, Quebec; 105, 106 from Girls' High School, Quebec; 107-118 from St. Francis College School, Richmond; 119-123 from Shawville Academy; 124, 125 from Boys' Academy, Sherbrooke; 126-130 Girls' Academy, Sherbrooke; 131-134 from Stanstead Wesleyan College; 135-137 from High School, St. Johns; 139-147 from Waterloo Academy; 148-151 from Waterville Model School.]

## 1. Preliminary.

*Reading.*—[At Montreal—27, 23, (16, 22), (6, 12, 24, 25, 32), (26, 28, 31), (4, 7, 11, 21, 33, 35), (3, 14, 15), (8, 13), (5, 9, 10, 17, 18, 19, 34)]. [At Clarenceville.—43, 44, 46, 45]. [At Coaticook.—49, (50, 52), (47, 48, 51)]. [At Compton.—53]. [At Cowansville.—54, (55, 56, 57, 58)]. [At Dunham.—(60, 63), (59, 61), 62]. [At Granby.—(67, 67, 68), 66]. [At Huntingdon.—(75, 76), (70, 72, 73, 74, 78), (79, 80)]. [At Inverness.—87, (81, 83, 88), (82, 85, 86), 84]. [At Knowlton.—89]. [At Lachute.—97, (90, 96), 95, (93, 94), (91, 92, 98)]. [At Lacolle.—(99, 100)]. [At Quebec, Boys.—(103, 104); Girls.—105, 106]. [At Sherbrooke.—(64, 128), 127, (126, 129, 130), 124]. [At Stanstead.—(131, 132, 133), 134]. [At St. Johns.—(135, 137), 136]. [At Waterloo.—146, (140, 141, 144), 147, 145, 139, (142, 143)]. [At Waterville.—149, 150, 148, 151].\*

*Writing.*—(3, 4, 9, 11, 12, 13, 19, 22, 24, 32, 36, 38, 39, 40, 44, 50, 58, 60, 61, 66, 69, 72, 75, 79, 88, 103, 110, 111, 117, 120, 121, 122, 127, 131, 135, 136, 137, 141, 142, 147, 148, 149), (10, 21, 23, 26, 28, 41, 45, 47, 49, 51, 52, 53, 56, 68, 70, 74, 80, 85, 89, 105, 112, 114, 124, 125, 132, 133, 146, 150, 151), (25, 27, 31, 34, 37, 42, 43, 46, 48, 54, 55, 59, 62, 64, 76, 83, 89, 98, 116, 126, 134)\*, (8, 15, 16, 18, 33, 57, 63, 73, 78, 81, 82, 84, 86, 90, 92, 95, 97, 100, 106, 108, 109, 115, 119, 123, 128, 129, 130, 144, 145), (5, 7, 14, 17, 65, 67, 87, 91, 93, 94, 96, 104, 107, 113, 118, 139, 140, 143.)

## Dict.

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(8, 11,  
72, 76,  
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## Greek (1

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139), (26, 6  
130).



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*Gospels.*—(Creditable answering, in order of numbers).—3, 12, 14, 21, 22, 24, 27, 28, 34, 43, 49, 51, 53, 54, 55, 56, 67, 70, 78, 79, 81, 83, 85, 87, 91, 92, 105, 106, 126, 127, 128, 129, 130, 145, 148, 149, 150.

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*Latin (Ordinary).*—57, 54, 111, 116, 58, 85, 56, (63, 83), (126, 127), (73, 81), 43, (55, 75), (72, 112, 128)\*, 74, 108, (78, 120), (69, 86, 129, 144), 59, (7, 137), 90, (82, 96, 110, 133), (91, 148), (64, 132), (4, 10, 17, 119), (107, 118), 44, 121, 135, 142, (48, 65, 84, 124), (139, 140), (93, 94), 62, 113, 136, 92.

*Latin (Advanced).*—(12, 16), 34, (18, 36), 33, 103, 70, (42, 52), (31, 49)\*, 27, 6, (41, 145), (104, 134), (22, 51), (38, 40), 13, 35, 8, (28, 47), 25, 23, 50, 9.

*Greek (Ordinary).*—57, 78, 111, 54, 56\*, 73, (55, 58), 145, 107, 120, (74, 91), 96, 43, 69, 83, 90, 119, 94, (113, 121).

*Greek (Advanced).*—103, 6, 16, 70, 12, 35\*, 33, 18, 134, 8, 72, 104, 13.

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*History.*—27, 55, (34, 127), 33, (28, 106), 3, (12, 54, 57), 126\*, (24, 56), (11, 31, 132), (105, 129), (16, 58, 128), 6, 63, 18, 83, (10, 15, 85, 131), 86, 79, (120, 130), (14, 61, 70), (7, 80, 133), (8, 81), (5, 43, 64, 119, 148), (13, 59, 104, 149), (4, 32, 72, 78, 103), 150, (9, 60, 84), 91, 95, (87, 145), (23, 53, 96, 121), 74, (17, 44, 65, 69, 75).

*Geography.*—78, (76, 115), 79, 11, (16, 73), 35, (69, 82, 112, 121), (75, 80), (60, 83, 90, 106), (6, 10, 72), (88, 120), (3, 8, 14), (42, 59, 74, 123), (5, 44, 81, 110), (7, 43, 70), (62, 85, 124), (18, 63, 86, 96, 105, 108), (17, 122), (12, 39, 114), (13, 37, 84, 87), (4, 38, 147), (33, 61, 149), 93, (100, 145), (40, 148), 118, (19, 41, 150), (36, 103)\*, 104, (9, 34, 92), 111, (91, 137), (45, 141), 53, 15, 113, (97, 143), 151, 116, 94, 95, 117, 144, 98, 46.

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*Chemistry.*—11, 7, 4, (10, 40), (3, 41), (14, 15, 36), (5, 42), 37, (38, 39).

*Physiology and Hygiene.*—(56, 58, 126), (34, 55, 127), 115, 57, (132, 133, 145), (54, 105), (90, 134, 149), (52, 82, 83, 85, 87, 131, 144), (51, 67), 148, (108, 150)\*, (121, 128, 130, 147), (44, 49, 50, 61, 62, 81, 93, 106, 109, 111, 116), 117, 68, (43, 119), 65, 129, (45, 113, 114, 137, 141, 143, 146), (60, 70, 80, 110, 120, 124), 78, 47, (72, 73, 79, 95), 107, (53, 66, 75, 84, 86, 88, 91, 112, 123), (46, 48, 59, 69, 92, 94, 97, 98, 99, 135, 136, 151), (89, 122).

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- From the Victoria Institute, London:—Journal of Transactions. Vol. XX 1888.
- From Edinburgh University, Calendar for 1888-89.
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*Assistant Superintendent.*—G. H. CHANDLER, M.A.

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CONSTITUTED 1880.

The object of this Society is the mutual improvement of its members, by means of debates, essays, readings, &c. The Society is open for membership to all students attending the classes in any of the Faculties of McGill College :

*President :* H. V. TRUELL.*1st Vice-President :* P. DAVIDSON.*2nd Vice-President :* W. R. ELLENWOOD.*Secretary :* A. RIVES HALL.*Assistant Secretary :* WM. OLIVER.*Treasurer :* E. M. MATTICE.*Special Committee :*W. E. GIBSON,  
WM. HENDERSON,| H. M. KINGHORN,  
| C. P. RYAN,

— SHUTTLEWORTH.

**MCGILL COLLEGE YOUNG MEN'S CHRISTIAN ASSOCIATION.**

OBJECT.—To unite in an Association all who are interested in the cause of religion, for the purpose of mutual help in the Christian life, and for the promotion of good morals and Christian living in the College.

MEMBERSHIP.—Open to Students of all the Faculties. Membership is of two kinds: Active—Open to a member of an Evangelical church; Associate—Open

to any young man of good moral character. A social reception is given to new students at the beginning of the session.

*Hon. President.*

SIR J. W. DAWSON, LL.D.

*President :*

D. J. EVANS, Med. '90.

*1st Vice-President.*

W. H. GARTH, Arts, '89.

*Corresponding Secretary.*

H. M. TORY, Arts, '90.

*Treasurer.*

JAS. DALEY, Arts, '90.

*2nd Vice-President.*

W. S. MORROW, Med. '91.

*Recording Secretary.*

A. H. HAWKINS, Science, '90.

*Assistant Treasurer.*

W. F. HAMILTON, Med., '91.

The following are chairmen of special committees :

*Devotional.*

W. F. HAMILTON.

*Missionary.*

JAS. TAYLOR.

*Music.*

A. G. NICHOLS.

*Membership.*

W. R. ELLENWOOD, Arts; and

W. S. MORROW, Medicine.

*Social.*

A. R. HOLDEN.

*Bulletin.*

W. W. ALEXANDER.

**MCGILL UNIVERSITY ATHLETIC ASSOCIATION.**

ESTABLISHED 1884.

Open for membership to undergraduates in this University.

*President :*

SIR WILLIAM DAWSON.

*Vice-President :*

JOHN A. SPRINGLE.

*Secretary :*

W. W. MURRAY.

*Treasurer :*

B. J. HARRINGTON, B.A., Ph.D.

*Assistant Treasurer :*

W. J. DELANEY.

**IN AFFILIATION.**

*McGill Football Club.*

*Secy. :* M. F. LUCAS.

*McGill Hockey Club.*

*Secy. :* D. B. HOLDEN.

*McGill Cricket Club.*

*Secy. :* F. W. HIBBARD, B.A.

Annual Field Meeting 18th October, 1889.

*University Lawn Tennis Club.*

*Secy. :* H. A. BUDDEN, B.A.

*Donalda Lawn Tennis Club.*

*Secy. :* MISS M. N. EVANS.

**DELTA SIGMA SOCIETY.**

ESTABLISHED 1884.

- President*: Maude Squire, B.A.  
*Vice-President*: Jeannie T. Botterell.  
*Secretary-Treasurer*: Louise C. Smith.  
*Committee*: Misses Reid, Derrick, Finlay and Pitcher.

**THEO DORA SOCIETY.**

ESTABLISHED 1887.

Principal object for the present, the diffusion of information respecting Christian Missions, and the cultivation of a Missionary Spirit. Open for membership to students of the Donalds Special Course for women.

- President*: C. M. Derick.  
*Vice-President*: Jeannie Baillie.  
*Secretary-Treasurer*: Annie Williams.

**McGILL MEDICAL SOCIETY.**

- Honorary President* ..... Dr. James Stewart.  
*President* ..... Mr. M. W. Murray.  
*Vice-President* ..... Mr. H. D. Hamilton.  
*Secretary* ..... Mr. Fletcher.  
*Treasurer* ..... Mr. Binmore.  
*Pathologist* ..... Mr. R. E. McKechnie.  
*Librarian* ..... Mr. D. Kee.  
*Councilmen* } ..... { Dr. J. C. Cameron.  
                   } ..... { Dr. F. G. Finlay.  
                   } ..... { Mr. W. E. Inksetter.

**McGILL COLLEGE BOOK CLUB.**

ESTABLISHED A.D. 1869.

This Club, now in the twentieth year of its existence, has for its primary object, —“to procure an early supply of new books (novels excluded) for its members;” and, next, the increase of the College Library by the presentation thereto of these books, when no longer required by the Club. In this way, an addition has already been made to the Library of not less than 3,402 volumes, in special and general literature.

Membership in the Club is open to all, at an annual subscription of ten dollars. Apart from the advantages to be directly derived from membership, there is the special privilege accorded to members of using the College Library on the same conditions as Graduates, and without making any deposit when books are borrowed. As the number of volumes in the Library now amounts to 27,000, it is clear that this privilege is of value both to special and to general readers.

The members of the Executive Committee are Dr. Johnson, Rev. Dr. Cornish, Rev. Dr. Murray, Mr. S. E. Dawson, Mr. W. M. Ramsay, to any of whom applications for membership may be addressed; or to Mr. E. M. Renouf, at the Club Depository, 2240 St. Catherine street.

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### **Additions to University Regulations.**

#### *Regulations of the Board of Governors for Election of Fellows, under Chap. V. of the Statutes of the University.*

1. "The Secretary shall receive all Statutory fees, whether annual or for commutation, either personally or by letter, from the graduates desiring to vote, and not from any third party, except as bearer of a written authorization."

2. The voting paper sent in by graduates shall be regarded as confidential, and no communication respecting them shall be made by the Secretary or Scrutineers, except when authorized by vote of the Governors or Corporation.

3. From and after the Election of 1888, no annual fees will be accepted, but each graduate desiring to vote will be required to transmit to the Secretary, on or before the first day of March in the year in which he desires to vote, the full amount of \$5.00 as payment of his Registration fee in perpetuity. Provided always that in the event of any graduate having paid for one or more years previous, the amounts so paid shall be deducted from his payment of \$5.00, but not to a greater aggregate amount than \$2.50.

4. From any after the graduation of 1888, all new graduates shall pay a Registration Fee of \$2.50 at the time of their graduation, in addition to the Graduation Fee, and shall be entered in the University list as privileged to vote, and shall have voting papers mailed to them by the Secretary.

#### *Amended Regulations of the Corporation for Licenced Boarding Houses. Applicable to all the Faculties.*

1. All Students under 21 years of age, not residing with parents or guardians, nor belonging to a Theological College, shall reside in licensed boarding-houses, unless they produce written authority from parents or guardians to reside elsewhere.

2. Persons applying for a licence to keep boarding houses shall produce evidence satisfactory to the Principal as to their character and fitness, and the suitability of the house for the health and comfort of the Students. They shall also supply him with a statement of charges.

3. The keeper of the boarding-house shall report immediately to the Principal the entrance or departure of any Student, and any instance of immorality or disorderly conduct.

4. The keeper of every lodging house shall deposit with the Secretary of the University, on or before September 10th in every year, a certificate as to the sanitary condition of the house from some competent officer or Sanitary Engineer recognised by the Principal.

5. A list of boarding houses licensed under the above regulations shall be kept in the office of the Secretary and shall be accessible to all members of the University and intending students.

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### Lists of Graduates.

In accordance with a recent resolution of the Corporation of the University, these will be printed separately in a *Triennial Calendar*, to be issued for the first time in the course of the present year.

In the meantime all graduates are earnestly requested to send to the Secretary of the University information as to their places of residence, and as to any corrections or additions that may be desired.

JUNE, 1889.

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BENEFACTORS OF

McGill University, Montreal.

I. ORIGINAL ENDOWMENT, 1811.

THE HONORABLE JAMES MCGILL, who was born at Glasgow, 6th Oct., 1744, and died at Montreal, 19th Dec., 1813, by his last will and testament, under date 8th January, 1811, devised the Estate of Burnside, situated near the City of Montreal, and containing forty-seven acres of land, with the Manor House and Buildings thereon erected, and also bequeathed the sum of ten thousand pounds in money unto the "Royal Institution for the advancement of Learning," a Corporation constituted in virtue of an Act of Parliament passed in the Forty-first Year of the Reign of His Majesty, King George the Third, to erect and establish a University or College, for the purpose of Education and the advancement of learning, in the Province of Lower Canada, with a competent number of Professors and Teachers to render such Establishment effectual and beneficial for the purposes intended; requiring that one of the Colleges to be comprised in the said University should be named and perpetually be known and distinguished by the appellation of "McGill College."

The value of the above-mentioned property was estimated at the date of the bequest at.....\$120,000

II. UNIVERSITY BUILDINGS.

THE WILLIAM MOLSON HALL, being the west wing of the McGill College buildings with the connecting Corridors and Class Rooms, was erected in 1861, through the munificent donation of the founder whose name it bears.

THE PETER REDPATH MUSEUM, the gift of the donor whose name it bears, was announced by him as a donation to the University in 1880, and was formally opened to the public, August, 1882.

III. THE DONALDA ENDOWMENT FOR THE HIGHER EDUCATION OF WOMEN.

This endowment, given by the Honorable Sir Donald A. Smith of Montreal, is for the education of women in the subjects of the Faculty of Arts, up to the standard of the examination for B.A., in classes wholly separate, to constitute a separate Special Course or College for women,—\$120,000.

IV. ENDOWED CHAIRS.

THE MOLSON CHAIR OF ENGLISH LANGUAGE AND LITERATURE, in 1856, endowed by the Honorable John Molson, Thomas Molson, Esq., and William Molson, Esq.,—\$20,000.

THE PETER REDPATH CHAIR OF NATURAL PHILOSOPHY, in 1871, endowed by Peter Redpath, Esq.,—\$20,000.

THE LOGAN CHAIR OF GEOLOGY, in 1871, endowed by Sir W. E. Logan, LL.D., F.R.S., and Hart Logan, Esq.,—\$20,000.

THE JOHN FROTHINGHAM CHAIR OF MENTAL AND MORAL PHILOSOPHY, in 1873, endowed by Miss Louisa Frothingham,—\$20,000.

THE WILLIAM SCOTT CHAIR OF CIVIL ENGINEERING, in 1884, endowed by the last will of the late Miss Barbara Scott, of Montreal,—\$30,000.

THE MAJOR HIRAM MILLS CHAIR OF CLASSICS, in 1882, endowed by the last will of the late Major Hiram Mills of Montreal,—\$42,000.

THE DAVID J. GREENSHIELDS CHAIR OF CHEMISTRY AND MINERALOGY, in the Faculties of Arts and Applied Science, in 1883, endowed by the last will of the late David J. Greenshields, Esq., of Montreal,—\$40,000.

THE GALE CHAIR, in the Faculty of Law, endowed by the late Mrs. Andrew Stuart (*née* Agnes Logan Gale), of Montreal, in memory of her father, the late Honorable Mr. Justice Gale,—\$25,000; part received, May, 1889.

#### V. EXHIBITIONS AND SCHOLARSHIPS.

THE JANE REDPATH EXHIBITION, in the Faculty of Arts, \$100 annually—founded in 1868 by Mrs. Redpath, of Terrace Bank, Montreal, and endowed with the sum of \$1,667.

THE McDONALD SCHOLARSHIPS AND EXHIBITIONS, 10 in number, in the Faculty of Arts—founded in 1871, and endowed in 1882, with the sum of \$25,000, by William C. McDonald, Esq.—Annual value, \$1,250.

THE CHARLES ALEXANDER SCHOLARSHIP, for Classics—founded in 1871, by Charles Alexander, Esq.—Annual value, \$120.

THE SCOTT EXHIBITION—founded by the Caledonian Society of Montreal, in commemoration of the Centenary of Sir Walter Scott, and endowed in 1872 with the sum of \$1,100, subscribed by members of the Society, and other citizens of Montreal. The Exhibition is given annually in the Faculty of Applied Science. Annual value \$66.

THE BARBARA SCOTT SCHOLARSHIP FOR CLASSICAL LANGUAGE AND LITERATURE—founded by the last will of the late Miss Barbara Scott of Montreal, in the sum of \$2,000,—in 1884. Annual value, \$100.

THE GEORGE HAGUE EXHIBITION—founded in 1881 in the Faculty of Arts. Annual value \$125.

THE MAJOR HIRAM MILLS MEDAL AND SCHOLARSHIP.—in the Faculty of Arts, founded by the will of the late Major Hiram Mills of Montreal, and endowed with the sum of \$1,500.—Annual value \$75.

#### VI. ENDOWMENTS OF MEDALS AND PRIZES.

In 1856 Henry Chapman, Esq., founded a gold medal, to be named the "Henry Chapman Gold Medal," to be given annually in the graduating class in Arts. This Medal was endowed by Mr. Chapman in 1874, with the sum of \$700.

In 1860 the sum of £200, presented to the College by H. R. H. the Prince of Wales, was applied to the foundation of a Gold Medal, to be called the "Prince of Wales Gold Medal," which is given in the graduating class for Honour Studies in Mental and Moral Philosophy.

In 1864 the "Anne Molson Gold Medal" was founded and endowed by Mrs. John Molson, of Belmont Hall, Montreal, for an Honour Course in Mathematics and Physical Science.

In the same year the "Shakespeare Gold Medal," for an Honour Course, to comprise and include the works of Shakespeare and the Literature of England, from his time to the time of Addison, both inclusive, and such other accessory subjects as the Corporation may from time to time appoint—was founded and endowed by citizens of Montreal, on occasion of the three hundredth anniversary of the birth of Shakespeare.

In the same year the "Logan Gold Medal," for an Honour Course in Geology and Natural Science, was founded and endowed by Sir William Logan, LL.D., F.R.S., F.G.S., &c.

In 1865 the "Elizabeth Torrance Gold Medal" was founded and endowed by John Torrance, Esq., of St. Artoine Hall, Montreal, in memory of the late Mrs. John Torrance, for the best student in the graduating class in Law, and more especially for the highest proficiency in Roman Law.

In the same year the "Holmes Gold Medal" was founded by the Medical Faculty, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., late Dean of the Faculty of Medicine, to be given to the best student in the graduating class in Medicine, who shall undergo a special examination in all the branches, whether Primary or Final.

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- In 1874 a Gold and Silver Medal were given by his Excellency the Earl of Dufferin, Governor General of Canada, for competition in the Faculty of Arts, and continued till 1878.
- In 1878 the "Sutherland Gold Medal" was founded by Mrs. Sutherland of Montreal, in memory of her late husband, Prof. William Sutherland, M.D., for competition in the classes of Theoretical and Practical Chemistry in the Faculty of Medicine, together with creditable standing in the Primary Examinations.
- In 1875 the "Neil Stewart prize of \$20 in Hebrew" was endowed by Neil Stewart, Esq., of Vankleek Hill, in the sum of \$340.
- In 1880 a Gold and Silver Medal were given by His Excellency the Marquis of Lorne, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science; continued till 1883.
- In 1883 a Gold, Silver and Bronze Medal were given by R. J. Wicksteed, Esq., M.A., LL.D., for competition in "Physical Culture" by Students in the Graduating Class and 2nd and 3rd years, who have attended the University Gymnasium.
- In 1884 a Gold and a Silver Medal were given by His Excellency the Marquis of Lansdowne, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science. Continued till 1888.
- In 1885 the British Association Gold Medal, for competition in the Graduating class in the Faculty of Applied Science, was founded by subscription of members of the British Association for the Advancement of Science, and by gift of the council of the Association, in commemoration of its meeting in Montreal in the year 1884.
- In 1888 a Gold and a Silver Medal were given by His Excellency Lord Stanley, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science.

## VII. SUBSCRIPTIONS TO GENERAL ENDOWMENT.

1856.

John Gordon McKenzie, Esq.....	\$2000	Charles Alexander, Esq.....	\$600
Ira Gould, Esq.....	2000	Moses E. David, Esq.....	600
John Frothingham, Esq.....	2000	Wm. Carter, Esq.....	600
John Torrance, Esq.....	2000	Thomas Patton, Esq.....	600
James B. Greenshields, Esq.....	1200	Wm. Workman, Esq.....	600
William Busby Lambe, Esq.....	1200	Honourable Sir A. T. Galt.....	600
Sir George Simpson, Knight.....	1000	Honourable Luther H. Holton.....	600
Henry Thomas, Esq.....	1000	Henry Lyman, Esq.....	600
John Redpath, Esq.....	1000	David Torrance, Esq.....	600
James McDougall, Esq.....	1000	Edwin Atwater, Esq.....	600
James Torrance, Esq.....	1000	Theodore Hart, Esq.....	600
Honourable James Ferrier.....	1000	William Forsyth Grant, Esq.....	600
Harrison Stephens, Esq.....	1000	Robert Campbell, Esq.....	600
Henry Chapman, Esq.....	600	Alfred Savage, Esq.....	600
Honourable Peter McGill.....	600	James Ferrier, jun., Esq.....	600
John James Day, Esq.....	600	William Stephen, Esq.....	600
Thomas Brown Anderson, Esq.....	600	N. S. Whitney, Esq.....	600
Peter Redpath, Esq.....	600	William Dow, Esq.....	600
Thomas M. Taylor, Esq.....	600	William Watson, Esq.....	600
Joseph McKay, Esq.....	600	Edward Major, Esq.....	600
Donald Lorn McDougall, Esq.....	600	Honourable Charles Dewey Day..	200
Honourable Sir John Rose.....	600	John R. Esdaile, Esq.....	200

1871.

William Molson, Esq.....	\$5000	T. W. Ritchie, Esq.....	\$600
William C. McDonald, Esq.....	5000	Messrs. A. & W. Robertson.....	600
Thomas Workman, Esq.....	5000	Messrs. Sinclair, Jack & Co.....	250
John Frothingham, Esq.....	5000	John Reddy, Esq., M.D.....	100
J. H. R. Molson, Esq.....	5000	Wm. Lunn, Esq.....	100
John McLennan, Esq.....	2000	Kenneth Campbell, Esq.....	100
E. Gibb, Esq.....	600	R. A. Ramsay, Esq.....	100
W. Norman, Esq.....	600	William Rose, Esq.....	50

1881-82.

Hugh McLennan, Esq.....	\$5000	O. S. Wood, Esq.....	\$1000
G. A. Drummond, Esq.....	4000	J. S. McLachlan, Esq.....	1000
George Hague, Esq.....	3000	J. B. Greenshields, Esq. (London)	1000
M. H. Gault, Esq.....	2000	Warden King, Esq.....	1000
Andrew Robertson, Esq.....	1000	W. B. Cumming, Esq.....	1000
Robertson Campbell, Esq.....	1000	Mrs. Hew Ramsay.....	500
J. Hickson, Esq., Mrs. Hickson..	1000	R. A. Ramsay, Esq.....	500
Mrs. Andrew Dow.....	1000	H. H. Wood, Esq.....	500
Alexander Murray, Esq.....	1000	James Burnett, Esq.....	500
Miss Orkney.....	1000	Charles Gibb, Esq.....	500
Hector McKenzie, Esq.....	1000		

1883-84.

Edward Mackay, Esq.....\$5000

VIII. SUBSCRIPTIONS FOR CURRENT EXPENSES IN

1881-2.

Principal Dawson.....	\$1000	Being.....	\$1000
J. H. R. Molson, Esq.....	1000	Per annum, 5 years being.....	5000
George Stephen, Esq.....	1000	“ “.....	5000
Hon. Donald A. Smith.....	1000	“ “.....	5000
David Morrice, Esq.....	200	“ “.....	1000
Messrs. Gault Brothers & Co.....	200	“ “.....	1000
Messrs. A. S. & S. H. Ewing.....	200	“ “.....	1000
Hon. Robert Mackay.....	300	Per annum, 2 years, being.....	600
Jonathan Hodgson, Esq.....	100	Per annum, 5 years, being.....	500
Geo. M. Kinghorn, Esq.....	100	“ “.....	500
Thomas Craig, Esq.....	100	Per annum, 2 years, being.....	200
John Rankin, Esq.....	200	Being.....	200
John Duncan, Esq.....	200	“.....	200
Robert Benny, Esq.....	100	“.....	100
Miss E. A. Ramsay.....	100	“.....	100
Hugh Paton, Esq.....	50	For 2 years, being.....	100
George Brush, Esq.....	25	For 5 years, being.....	125
J. M. Douglas, Esq.....	50	Being.....	50
James Court, Esq.....	50	“.....	50
David J. Greenshields, Esq.....	300	“.....	300

1887-8.

John H. R. Molson, Esq.....	\$1000	Per annum, 3 years, being.....	\$3000
W. C. McDonald, Esq.....	1000	“ “ “.....	3000
Peter Redpath, Esq.....	1000	“ “ “.....	3000
Hon. Sir Donald A. Smith, K.C.M.G.	1000	“ “ “.....	3000
Hon. Jas. Ferrier.....	500	“ “ “.....	1500
Joseph Hickson, Esq.....	500	“ “ “.....	1500
Hugh McLennan, Esq.....	250	“ “ “.....	750
E. B. Greenshields, Esq.....	250	“ “ “.....	750
George Hague, Esq.....	250	“ “ “.....	750
John Molson, Esq.....	250	“ “ “.....	750
Samuel Finley, Esq.....	250	“ “ “.....	750

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Daniel  
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Mrs. Mackay..... \$100

IX. ENDOWMENT FOR FACULTY OF APPLIED SCIENCE, 1871.

Daniel Torrance, Esq..... \$5000  
 George Moffatt, Esq..... 1000  
 Charles J. Brydges, Esq..... 1000

X. ANNUAL SUBSCRIPTIONS IN AID OF THE FACULTY OF APPLIED SCIENCE, 1871-1879.

Hon. James Ferrier (per annum, for 10 years)..... \$100  
 Peter Redpath, Esq. (per annum, for 10 years)..... 400  
 John H. R. Molson, Esq. (per annum, for 10 years) ..... 400  
 George H. Frothingham, Esq. (per annum, for 7 years) ..... 400  
 T. James Claxton, Esq. (per annum, for 6 years)..... 100  
 Donald Ross, Esq. (per annum, for 5 years)..... 50  
 Miss Mary Frothingham (per annum, for 3 years)..... 400  
 H. McLennan, Esq. (per annum, for 5 years)..... 100  
 A. F. Gault, Esq. do do ..... 100  
 Gilbert Scott, Esq., for 2 years..... 100  
 Joseph Hickson, Esq., do ..... 100  
 Principal Dawson, do ..... 300  
 His Excellency the Marquis of Lorne..... 500  
 Mrs. Redpath (Terrace Bank)..... 100

*To provide lectures in Mechanical and Sanitary Engineering.*

E. B. Greenshields, Esq ..... \$50  
 J. E. Bovey, Esq ..... 50  
 Professor H. T. Bovey ..... 61  
 Jeffrey H. Burland, B.A.Sc., \$100 for 2 years..... 200  
 Smaller amounts..... 40

XI. SUBSCRIPTIONS FOR SPECIAL OBJECTS.

*For the support of the Chair of Botany, 1883-84.*

Principal Dawson.....	\$500	Per annum, 5 years, being .....	\$2500
Hon. D. A. Smith.....	250	" " " " .....	1250
J. H. R. Molson, Esq .....	100	" " " " .....	500
Mrs. J. H. R. Molson.....	100	" " " " .....	500
G. Hague, Esq.....	100	" " " " .....	500
Mrs. Redpath.....	100	" " " " .....	500
Hugh McKay, Esq.....	100	" " " " .....	500
Robert Moat, Esq.....	100	" " " " .....	500
W. C. McDonald, Esq .....	100	" " " " .....	500
Charles Gibb, Esq.....	50	" " " " .....	250
Miss Orkney.....	50	" " " " .....	250
Robert McKay, Esq.....	50	" " " " .....	250
Mrs. Molson .....	50	" " " " .....	250
Mrs. John Molson.....	50	" " " " .....	250
John Stirling, Esq.....	50	" " " " .....	250
Warden King, Esq.....	50	" " " " .....	250
Miss Hall.....	50	" " " " .....	250
Robert Angus, Esq.....	50	" " " " .....	250
D. A. P. Watt, Esq.....	50	" " " " .....	250
Hugh McLennan, Esq.....	25	" " " " .....	125
Joseph Hickson, Esq.....	10	" " " " .....	50
Mrs. Philips.....	10	.....	10

*For the purchase of Philosophical Apparatus, 1867.*

William Molson, Esq.....	\$500	John Frothingham, Esq.....	\$100
John H. R. Molson, Esq.....	500	David Torrance, Esq.....	100
Peter Redpath, Esq.....	500		
George Moffatt, Esq.....	250		\$2,000
Andrew Robertson, Esq.....	100		

*For a Building for the Carpenter Collection of Shells, 1868.*

Peter Redpath, Esq.....	\$500	Wm. Dow, Esq.....	\$100
William Molson, Esq.....	500	Thos. Rimmer, Esq.....	100
Harrison Stephen, Esq.....	100	Andrew Robertson, Esq.....	100
Robert J. Reekie, Esq.....	100	Mrs. Redpath.....	100
John H. R. Molson, Esq.....	100	Benaiah Gibb, Esq.....	50
Sir William E. Logan, F.R.S....	100	Honorable John Rose.....	50
John Molson, Esq.....	100		
Thos. Workman, Esq., M.P.....	100		\$2,200
Geo. H. Frothingham, Esq.....	100		

*For the Erection of the Lodge and Gates.*

William Molson, Esq.....	\$100	James A. Mathewson, Esq.....	\$100
John H. R. Molson, Esq.....	100	Peter Redpath, Esq.....	100
William Workman, Esq.....	100	G. H. Frothingham, Esq.....	100
Joseph Tiffin, jr., Esq.....	100	G. D. Ferrier, Esq.....	100
Thos. J. Claxton, Esq.....	100	Geo. W. Warner, Esq.....	100
James Linton, Esq.....	100	John Smith, Esq.....	100
William McDougall, Esq.....	100	Charles Alexander, Esq.....	100
Charles J. Bridges, Esq.....	100	J. Evans, Esq.....	100
George A. Drummond, Esq.....	100	Henry Lyman, Esq.....	100
Thomas Rimmer, Esq.....	100		
William Dow, Esq.....	100		\$2,100
John Frothingham, Esq.....	100		

*For the fittings of the Library and Museum of the Faculty of Medicine, 1872.*

G. W. Campbell, A.M., M.D....	\$1200	Robert Craik, M.D.....	\$200
W. E. Scott, M.D.....	200	Geo. E. Fenwick, M.D.....	200
Wm. Wright, M.D.....	200	Joseph M. Drake, M.D.....	200
Robert P. Howard, M.D.....	200	George Ross, M.A., M.D.....	50
Duncan C. McCallum, M.D.....	200		

*For Library and Museum.*

John Thorburn, for purchase of Books.....	\$90	Peter Redpath, Esq., for Museum Expenses, 1882, -1,000; '83, \$1,000; '84, \$1,000; '85, \$1,000; '86, \$1,000; 1887, \$1,000; '88, \$1,000.....	\$7000
Andrew Drummond, do for Applied Science.....	25	The Graduates in Arts and Applied Science of 1885 for purchase of Books.....	31
T. J. Claxton, Esq., for purchase of Specimens of Museum.....	250	Do of 1886.....	28
Mrs. H. G. Frothingham, for the arrangement of Dr. Carpenter's Collection of Mazatlan shells..	233	The late R. A. Ramsay, Esq. Bequest for purchase of books.	1000
A Lady for Museum Expenses, in 1882.....	1000	John H. R. Molson for purchase of book on "Butterflies of Eastern, U.S. and Canada".....	50
A Lady for Museum Expenses, in 1883-4 and '87.....	3000		
A friend for the purchase of specimens for the Museum.....	1900		

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*For Apparatus.*

	A Lady for the purchase of Mining Models.....	\$1000
	Thos. McDougall, Esq., for the same.....	25
	J. Livesey, Esq., through Dr. Harrington, for the same.....	50
	Geo. Stephen, Esq., for the same.....	50
	Charles Gibb, B.A., donation for Apparatus in Applied Science .....	50
	Andrew Drummond, Esq. to Library Fund of Faculty of Applied Science.	25
	A Telescope and Astronomical Instrument, the gift of Charles T. Blackman, Esquire, of Montreal, and called after his name.	
	The Local Committee for the reception (1881) of American Society of Civil Engineers.....	} For the purchase of appliances for the department of Civil Engineering in Faculty of Applied Science..... 475
	Capt. Adams, Chemical Apparatus.....	10
	J. H. Burland, B. A. Sc., Chemical Apparatus.....	25
	Thos. J. Barron, B.A., Philosophical Apparatus .....	50
	J. H. R. Molson, Esq., Dynamo, Gas Engine and Fixtures.....	1792
	The Professors and Lecturers in the Summer Sessions of the Faculty of Medicine.....	} Donation to Apparatus, Museum Library, etc., of the Medical Faculty, 1884, \$1,182; 1888, \$1,023. 2205

*For Physiological Laboratory of Medical Faculty, 1879.*

Dr. Campbell.....	\$100	Dr. Ross .....	\$50
Dr. Howard.....	100	Dr. Roddick .....	50
Dr. Craik.....	100	Dr. Buller.....	50
Dr. McAllum.....	100	Dr. Gardner.....	50
Dr. Drake.....	100	Dr. Osler.....	50
Dr. Godfrey.....	100		
Dr. McEachran, F.R.C.V.S.....	100		\$ 950

*Class Rooms for Faculty of Applied Science, 1888.*

John R. Molson, Esq.....	\$3000
W. C. McDonald, Esq.....	3000

*Miscellaneous.*

Hon. C. Dunkin, M P., in aid of the chair of Practical Chemistry .....	\$1200	T. M. Thompson, Esq, \$250 for two Exhibitions in September, 1871; \$200 for two Exhibitions in 1872 .....	\$450
Principal Dawson, in aid of the same.....	1200	Rev. Colin C. Stewart, for the "Stewart Prize in Hebrew" ..	60
P. Redpath, Esq., do.....	226		

THE TAYLOR SCHOLARSHIP—founded in 1871, by T. M. Taylor, Esq.—Annual value, \$100—terminated in 1878.

THE DAVID MORRICE SCHOLARSHIP—in the subject of Institutes of Medicine, in the Faculty of Medicine—founded in 1881—value \$100. (Terminated in 1883.)

THE BURLAND SCHOLARSHIP—founded 1882, by J. H. Burland, Esq., \$100 for a Scholarship in Applied Science, for three years, being \$300.

PROFESSOR ALEXANDER JOHNSON—for Scholarship for 3 Sessions, terminated 1886-7.....

R. A. Ramsay, M A., B.C.L., to defray the expenses of re-erecting the tomb of the late Hon. James McGill.....

\$350  
\$150

XII. LIBRARY, MUSEUM AND APPARATUS FUNDS.

Wm. Molson, Esq., for Library Fund.....	\$4000	A Friend, by the Hon. F. W. Torrance.....	\$400
Wm. Molson, Esq., for Museum Fund.....	2000	The Local Committee of the British Association for the Advancement of Science, to found the British Association Apparatus Fund in the Faculties of Arts and Applied Science, in commemoration of the meeting of the Association in Montreal in 1884.....	1500
Hon. F. W. Torrance, Mental and Moral Philosophy Book Fund.....	1000		
Mrs. Redpath, for the endowment of the Wm. Wood Redpath Library Fund.....	1000		

XIII. ENDOWMENT, HELD IN TRUST BY THE BOARD OF ROYAL INSTITUTION.

The "Hannah Willard Lyman Memorial Fund," contributed by subscription of former pupils of Miss Lyman, and invested as a permanent endowment, to furnish annually a Scholarship or Prize in a "College for Women" affiliated to the University; or in classes for the Higher Education of Women approved by the University. The amount of the fund is at present \$1,100.

XIV. SPECIAL COLLECTIONS OF BOOKS PRESENTED TO THE LIBRARY.

1. The Peter Redpath Collection of Historical Books- presented by Peter Redpath, Esq., of Montreal, 2368 Volumes.
2. The Robson Collection of works in Archaeology and General Literature, presented by Dr. John Robson, of Warrington, England, 3436 Volumes.
3. The Charles Alexander Collection of Classical Works, presented by C. Alexander, Esq., of Montreal, 221 Volumes.
4. Frederick Griffin, Esq., Q.C., Collection of Books, being the whole of his Library, bequeathed by his will, 2695 Volumes.
5. The Hon. Mr. Justice MacKay, Collection of Books, being the whole of his Library, 2007 Volumes.
6. The "T. D. King Shakespeare Collection," presented by the Hon. Donald A. Smith and W. C. McDonald, Esq., of Montreal, being 214 Volumes.

XV. SPECIAL COLLECTIONS PRESENTED TO THE MUSEUM.

1. The Holmes Herbarium—presented by the late Andrew F. Holmes, M.D.
2. The Carpenter Collections of Shells—presented by the late P. P. Carpenter, Ph. D.
3. The Collection of Casts of Ivory Carvings issued by the Arundel Society—presented by Henry Chapman, Esq.
4. The McCulloch Collection of Birds and Mammals, collected by the late Dr. M. McCulloch, of Montreal, and presented by his heirs.
5. The Logan Memorial Collections of Specimens in Geology and Natural History, presented by the heirs of the late Sir W. E. Logan, LL.D., F.R.S.
6. The Dawson Collection in Geology and Palæontology, being the Private Collections of Principal Dawson, presented by him to the Museum.
7. The Portrait of Peter Redpath, Esq., painted by Mr. Sidney Hodges of London, and presented by Citizens of Montreal.
8. The Bowles Collection of Lepidoptera, presented by W. C. McDonald, Esq., J. H. Burland, Esq.

(See also "List of Donations to the Library and Museum," printed annually in the Calendar and Report to the Museum )

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## XVI. ENDOWMENTS OF THE FACULTY OF MEDICINE.

## I. LEANCHOIL ENDOWMENT.

Honorable Donald A. Smith.....\$50,000

## II. CAMPRELL MEMORIAL ENDOWMENT.

Established to commemorate the services rendered to the Faculty during 40 years by the late Dean George W. Campbell, M.D., LL.D.

Mrs. G. W. Campbell.....	\$2000	McLachlan Bros.....	500
H. A. Allan, Esq.....	1500	S. Greenshields, Son & Co.....	500
Hon. D. A. Smith.....	1500	Jonathan Hodgson, Esq.....	500
George Stephen, Esq.....	1000	Duncan McEachran, Esq., F. R. C.	
R. B. Angus, Esq.....	1000	V. S.....	500
George Drummond, Esq.....	1000	Geo. Ross, M.D.....	500
Alex. Murray, Esq.....	1000	T. G. Roddick, M.D.....	500
Robt. Moat, Esq.....	1000	Wm. Gardner, M.D.....	500
W. C. McDonald, Esq.....	1000	G. P. Girdwood, M.D.....	500
A Friend.....	1000	G. E. Fenwick, M.D.....	500
Duncan McIntyre, Esq.....	1000	Alex. Ramsay, Esq.....	500
Alex. Buntin, Esq.....	1000	Cochrane, Cassils & Co.....	500
A. F. Gault, Esq.....	1000	Joseph Hickson, Esq.....	500
M. H. Gault, Esq.....	1000	Allan Gilmour (Ottawa).....	500
G. W. Stephens, Esq.....	1000	R. W. Shepherd, Esq.....	500
James Benning, Esq.....	1000	Miles Williams, Esq.....	300
R. P. Howard, M.D.....	1000	Chas. F. Smithers, Esq.....	250
Frank Buller, M.D.....	1000	John Kerry, Esq.....	250
G. B. & J. H. Burland, Esqrs....	1000	A. Baumgarten, Esq.....	250
Miss Elizabeth C. Benny.....	1000	H. W. Thornton, M.D. (New	
J. C. Wilson, Esq.....	1000	R. W. Elmenhorst, Esq.....	250
Mrs. John Redpath.....	1000	W. F. Lewis, Esq.....	250
Hon. John Hamilton.....	1000	Geo. Armstrong, Esq.....	250
Miss Orkney.....	1000	J. M. Douglas, Esq.....	250
Hugh McKay, Esq.....	1000	E. Lyman, Sons & Co.....	250
Hector McKenzie, Esq.....	1000	William Oster, M.D.....	250
Thomas Workman, Esq.....	1000	F. J. Shepherd, M.D.....	250
Hugh McLennan, Esq.....	1000	Benj. Dawson, Esq.....	200
O. S. Wood, Esq.....	1000	R. Wolf, Esq.....	150
James Burnett, Esq.....	500	James Stuart, M.D.....	150
Andrew Robertson, Esq.....	500	A. T. Paterson, Esq.....	100
Robt. McKay, Esq.....	500	M. E. Davis, Esq.....	100
John Hope, Esq.....	500	C. S. Hanvey, M.D. (Yale, B.C.)	100
Alex. Urquhart, Esq.....	500	D. Clunes, M.D. (Nanaimo, B.C.)	100
E. K. & G. A. Greene, Esqrs....	500	W. Kinlock, Esq.....	100
R. A. Smith, Esq.....	500	Hua & Richardson.....	100
Geo. Hague, Esq.....	500	Mrs. Cuthbert (New Richmond,	
J. K. Ward, Esq.....	500	Q).....	100
Warden King, Esq.....	500	J. M. Drake, M.D.....	100
John Sterling, Esq.....	500	Louis T. Marceau, M.D. (Napier-	
John Rankin, Esq.....	500	Hugh Paton, Esq.....	100
Cantlie, Ewan & Co.....	500	R. T. Godfrey, M.D.....	100
Robt. Reford.....	500	T. A. Rogers, M.D.....	100
J. & W. Ogilvie.....	500	W. A. Dyer, Esq.....	100
Randolf Hersey, Esq.....	500	G. W. Wood, M.D. (Faribault,	
John A. Pillow, Esq.....	500	Minn.).....	100
S. Carsley, Esq.....	500	A. A. Browne, M.D.....	100
D. C. McCallum, M.D.....	500	George Wilkins, M.D.....	100

FACULTY OF MEDICINE—Continued.

R. L. MacDonnell, M.D.....	\$100	J. C. Rattray, M.D.....	\$20
Joseph Workman, M.D. (Toronto).....	50	J. H. McBean, M.D.....	15
Henry Lunan, B.A., M.D. (Campbellton, N.B.).....	50	J. H. Howard, M.D. (Lachine)...	10
ville, Q.).....	25	J. W. Oliver, M.D. (Clifton, O.)	10
R. J. B. Howard, M.D.....	25	D. A. McDougall, M.D. (Ottawa O.).....	10
T. J. Alloway, M.D. ....	25	A. Pousette, M.D. (Sarnia, O.)	10
R. F. Rinfret (Quebec).....	20	A. Ruttan, M.D. (Napanee, O.)	10
Robt. Howard, M.D. (St. Johns)	20	James Gun, M.D. (Durham, O.)	10
Drs. J. & D. J. McIntosh (Vankleek Hill).....	20	J. McDiarmid, M.D.....	5
Griffith Evans, M.D. (Vet. Dept. Army).....	25	W. J. Derby, M.D.....	5
J. J. Farley, M.D. (Belleville)...	25	J. Gillies, M.D.....	5
Henry R. Gray, Esq.....	25	J. B. Benson, M.D.....	5
J. E. Brouse, M.D. (Prescott).....	20	L. A. Fortier, M.D.....	5
		J. A. McArthur, M.D.....	5
		John Campbell, M.D. (Seaforth O.).....	5

III. CAMERON OBSTETRICAL ENDOWMENT.

Dr. J. C. Cameron.....	\$10,000
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THE GRADUATES' FUNDS.

THE FUND FOR ENDOWMENT OF THE LIBRARY.

The Graduates' Society of the University, in 1876, passed the following Resolution:—

*Resolved:*—"That the members and graduates be invited to subscribe to a fund for the endowment of the Libraries of the University; said fund to be invested and the proceeds applied under the supervision of the Council of the Society in annual additions to the Libraries; an equitable division of said proceeds to be made by the Council between the University Library and those of The Professional Faculties."

(In terms thereof the following subscriptions have been announced to date May 1st, 1889, they are payable in one sum, or in instalments as subscribers have elected.)

Alphabetically Arranged.

Baynes, O'Hara, B.C.L.....	\$ 50	Hall, J. S., jun., B.A., B.C.L.....	\$ 50
Bethune, M.B., M.A., B.C.L.....	50	Hall, Rev. W., M.A.....	10
Blackader, Alex. D., B.A., M.D.	50	Harrington, E. J., B.A., Ph.D....	50
Burland, J. H., B. A. Sc.....	120	Holton, Edward, B.C.L.....	100
Browne, A. A., B. A., M.D.....	50	Hutchinson, M., B.C.L.....	5
Cline, J. D., B.A., M.D.....	25	Keller, F. J., B.C.L.....	25
Cushing, Lemuel, LL.D., B.C.L.	25	Kelley, F. W., B.A., Ph.D.....	100
Dougall, J. R., M.A.....	50	Laing, Rev. R., M.A.....	100
Ells, R. W., M.A.....	50	Lyman, F. S., B.A., B.C.L.....	50
Empson, Rev. J., M.A.....	25	Lyman, H. H., M.A.....	100
Gardner, Wm., M.D.....	100	Mackenzie, Fred., B.C.L.....	100
Gibb, Charles, B.A.....	50	Maclaren, J. J., M.A., B.C.L....	100
Gilman, F. E., LL.D., B.C.L.....	100	Macleod, C. H., M.A.....	50
Gould, C. H., B.A.....	100	Macmaster, D., B.U.L.....	50

## THE GRADUATES' FUNDS—Continued.

Marler, Wm. DeM., B.A., B.C.L.	\$ 125	Robins, S. P., LL.D.	\$ 50
McCord, D. R., M.A., B.C.L.	100	Roddick, T. G., M.D.	100
McGregor, James, LL.D.	80	Ross, George, M.A., M.D.	100
Molson, Wm., M.D.	100	Shepherd, J. F., M.D.	100
Osler, Wm., M.D.	100	Torrance, J. F., B.A., B.A. Sc.	100
Ramsay, R. A., M.A., B.C.L.	100	Trenholme, N. W., M.A., B.C.L.	100
Rexford, Rev. E. I., B.A.	50		
Robertson, Alex., B.A.	100	Total to date	\$3,090

## THE DAWSON PRINCIPALSHIP FOUNDATION.

The Graduates' Society of the University, in 1880, and in commemoration of the completion by Dr. Dawson of his twenty-fifth year as Principal, resolved to raise, with the assistance of their friends, a Fund towards the Endowment of the Principalship, under the above name.

Details of the scheme can be had from the Treasurer, C. H. McLeod, Esq., Ma.E. The following subscriptions have been announced to date May 1st, 1889. They are payable in one sum, in instalments, without interest, or with interest till payment of capital, as subscribers have elected.

## Alphabetically arranged.

Abbott, H., B.C.L.	\$ 60	Lyman, H. H., M.A.	\$ 100
Archibald, H., B.A.Sc.	20	Lyman, A. C., M.A., B.C.L.	100
Bethune, M. B., M.A., B.C.L.	50	McCormick, D., B.C.L.	100
Carter, C. B., B.C.L.	100	McGibbon, R. D., B.A., B.C.L.	100
Cruickshank, W. G., B.C.L.	100	McGoun, A., jun., B.A., B.C.L.	50
Dawson, W. B., M.A., Ma. E.	50	McLennan, J. S., B.A.	100
Dougall, J. R., M.A.	250	Ramsay, R. A., B.A., B.C.L.	50
Gibb, C., B.A.	100	Spencer, J. W., B.A.Sc., Ph.D.	50
Hall, Rev. Wm., M.A.	100	Stephens, C. H., B.C.L.	100
Hall, J. S., jun., B.A., B.C.L.	100	Stewart, D. A., B.A.Sc.	20
Harrington, B. J., B.A., Ph.D.	50	Stewart, J., M.D.	60
Hutchinson, M., B.C.L.	400	Tait, M. M., B.C.L.	100
Kirby, J., LL.D., D.C.L.	50	Taylor, A. D., B.A., B.C.L.	100
Krans, Rev. E. H., M.A., LL.D.	100	Trenholme, N. W., A.M., B.C.L.	400
Leet, S. P., B.C.L.	100		
Lighthall, W. D., B.A., B.C.L.	100	Total to date	\$3,010

## ADDITIONAL ENDOWMENT, (June 1889.)

THE JOHN FROTHINGHAM PRINCIPAL FUND, to be invested for the endowment of the Principalship of the University; Founded by the Rev. Frederick Frothingham and Mrs. J. H. R. Molson,—\$40,000.

EXTRACT FROM THE DEED OF GIFT OF THE HON. SIR DONALD  
A. SMITH, K.C.M.G., LL.D., TO MCGILL UNIVERSITY.

(OCTOBER 16th, 1886.)

This donation is hereby made upon the following conditions, which are of the essence thereof, and without which the same would not have been made, namely:—

1st. That the said Donation shall be known and designated as "The Donalda Endowment for the Higher Education of Women," and that the amount thereof shall be invested by the Donee, and the income thereof shall be used in providing a collegiate education for women. Such education shall for the present be conducted in the buildings of the McGill College itself, as a distinct Special Course in the Faculty of Arts; but as soon as practicable the Classes shall be erected into a separate College of McGill University for the higher education of women, with a separate building from that of McGill College. And it is the desire of the Donor that effectual provisions be made by means of the appointment of a Principal, or other local head, for the management of the internal economy and discipline of the said College.

2nd. That in the said Special Course, due provision shall be made by the Governors and Corporation of McGill University, for the conduct and management of classes for women entirely separate from the classes for men, and that no portion of the endowment hereby granted shall at any time be applied either directly or indirectly to sustain mixed classes of the two sexes.

3rd. That the standard of education of women in said course shall be the same as that for men for the ordinary degrees of the said University in Arts, as already arranged by the authorities of the said McGill College, and as announced in the Calendar for 1886 and 1887. But such modifications may hereafter be made in the Course of study from time to time, as the Corporation of McGill University may deem expedient in the interest of the women pupils, but without reducing the standard of education hereby fixed. And the Degrees to be granted to women shall be those of B.A., M.A., and LL.D., which shall be so granted to them on the same conditions as to men, except as to their eligibility as Fellows, and the examinations for such Degrees and for classing, honors, prizes and medals shall be identical with those for men.

4th. That the women undergraduates shall have the right, at their option, to enter the honor classes in the Third and Fourth Years, on the same terms and conditions upon which men may do so.

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