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PROSPECTUS  
OF  
THE UNIVERSITY OF  
M<sup>C</sup>GILL COLLEGE,  
MONTREAL;

Founded by Bequest of the Hon. James McGill, in 1811; Erected into a University by  
Royal Charter in 1821; and Re-organized by an Amended Charter in 1852.



SESSION OF 1857-8.

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Faculty of Law, Course of Study, Regulations, &c.  
High School Department.  
McGill Normal School.

Montreal :

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1857.

PROSPECTUS

WILSON COLLEGE

THE UNIVERSITY OF

WISCONSIN

MILWAUKEE





## MCGILL COLLEGE.

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The Fifth Session of this University, under the amended charter, will commence in the autumn of 1857. The classes in the Faculty of Arts will open on the 10th September, those in the Medical and Law Faculties, on the first Monday of November, and those in the High School Department, on the 1st September.

Erected on a basis of the broadest liberality, to the exclusion of all sectarianism and party spirit, and with the view more especially of meeting the educational wants of the Protestant population of Lower Canada, this institution now offers a literary, scientific, and professional education, not inferior to that conferred by any similar institution on this continent, and it has the power of granting all the usual degrees in its several faculties.

*The Faculty of Arts*, as now organised, possesses the means of giving a sound mathematical, classical, and scientific education; and by permitting options in the more advanced classes, by admitting occasional students, and by providing special courses of study in practical science, provision has been made for developing the special tastes and aptitudes of students, and for affording facilities to those who are desirous of studying the applications of science to the useful arts. By these arrangements, the University endeavours to adapt itself to the tendencies of the age, and to the practical business of life as it presents itself in this country, while it preserves the completeness of its regular undergraduate course.

*The Faculty of Medicine*, the efficiency of which has been long tested and widely acknowledged, continues to maintain that high standard of professional education on which its reputation is founded, and is constantly adding to its means of instruction.

*The Faculty of Law* will enter on the ensuing session with a full staff of professors, and it now offers a liberal and thorough education to students in that profession.

In the *High School Department*, the course embraces a good English education in all its branches, with the French and German languages, and the Classical and Mathematical attainments necessary to entering the University. In the next term vocal music and drawing will be added to the course of instruction.

Details of the terms and course of study, in the several Faculties and in the High School Department, will be found under the proper heads.

*The McGill Normal School*, recently affiliated to the University, is in a high state of efficiency, and enables it to extend its advantages to those desirous of entering the useful and honourable profession of the teacher. Teachers trained in this school are entitled to Provincial diplomas.



A limited number of boarders will be received into the families of the resident Professors ;—terms £50 per annum. Board can be obtained in the City at from \$12 to \$16 per month. The Principal, the Deans of the several Faculties, and the Rector of the High School, will do all in their power to aid students in procuring suitable lodgings, and generally to promote their comfort and welfare while connected with the University.

Professor Fronteau has made arrangements to accommodate in the College buildings a number of Undergraduates and High School pupils ; and in connection with supervision of their studies and careful attention to their conduct and religious interests, to give them the benefits of private tuition and conversation in the French language. This establishment deserves the attention of all parents who are desirous of securing for their children the educational advantages offered by an English University, along with the best opportunities for attaining proficiency in French.

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### GOVERNING BODY.

#### VISITOR :

His Excellency the GOVERNOR GENERAL.

#### GOVERNORS :

The Hon. CHARLES DEWEY DAY, L. L. D., President.  
 The Hon. JAMES FERRIER, M. L. C.  
 The Hon. PETER M'GILL, M. L. C.  
 THOMAS BROWN ANDERSON, Esq.  
 DAVID DAVIDSON, Esq.  
 BENJAMIN HOLMES, Esq.  
 ANDREW ROBERTSON, M. A.  
 CHRISTOPHER DUNKIN, M. A.  
 WILLIAM MOLSON, Esq.  
 ALEXANDER MORRIS, M. A.

#### PRINCIPAL :

JOHN WILLIAM DAWSON, L. L. D., F.G.S.

#### FELLOWS :

THE DEANS OF THE FACULTIES OF LAW, MEDICINE, AND ARTS.  
 THE RECTOR OF THE HIGH SCHOOL.  
 BROWN CHAMBERLIN, M.A., B.C.L.  
 WALTER JONES, M.D.  
 W. B. LAMBE, B.C.L.

The Governors of the College are the Members of the "Royal Institution for the advancement of Learning," and are nominated by His Excellency the Governor General, under the Act 41st, Geo. 3, chapter 17.

The Governors, Principal and Fellows, constitute the Corporation of the University.

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### SECRETARY, REGISTRAR AND BURSAR.

WILLIAM CRAIG BAYNES, B. A. Office, Burnside Hall. Office Hours,  
 10 to 2 every lawful day.



## OFFICERS OF INSTRUCTION.

ARRANGED IN THE ORDER OF STATUTORY PRECEDENCE.

	<i>Residence.</i>
JOHN WILLIAM DAWSON, L.L.D., F.G.S.—Principal and Professor of Natural History and Agriculture.	East Wing M'Gill College.
REV. CANON LEACH, L.L.D.—Vice-Principal, Dean of the Faculty of Arts, and Professor of Logic and Moral Philosophy.	4, University St.
ANDREW F. HOLMES, M.D.—Dean of the Faculty of Medicine, and Professor of the Theory and Practice of Medicine.	68, Craig St.
J. J. C. ABBOTT, B.C.L.—Dean of the Faculty of Law and Professor of Commercial Law.	St. Catherine St.
HENRY ASPINWALL HOWE, M. A.—Rector of the High School and Professor of Mathematics and Natural Philosophy.	Centre Building M'Gill College.
—————, —Professor of Classical Literature.	}
GEORGE W. CAMPBELL, M. A., M. D.—Professor of Surgery.	63, Great St. James Street.
ARCHIBALD HALL, M. D.—Professor of Midwifery and Diseases of Women and Children.	18, Radegonde Street.
WILLIAM FRASER, M. D.—Professor of the Institutes of Medicine.	12, Little St. James St.
WILLIAM SUTHERLAND, M. D.—Professor of Chemistry.	31, Great St. James Street.
WILLIAM E. SCOTT, M.D.—Professor of Anatomy.	— 8, St. Joseph St.
WILLIAM WRIGHT, M. D.—Professor of Materia Medica and Pharmacy.	175 Craig Street.
ROBERT P. HOWARD, M.D.—Professor of Clinical Medicine and Medical Jurisprudence.	4, Bonaventure St.
REV. A. DESOLA, —Professor of Hebrew and Oriental Literature.	1, Pres de Ville Place.
HON. T. C. AYLWIN, D. C. L.—Professor of Public and Criminal Law.	372, St. Mary St.
FREDERICK W. TORRANCE, M. A., B. C. L.—Professor of Civil Law.	59, Little St. James Street.
R. LAFRENAYE, B. C. L.—Professor of Jurisprudence and Legal Bibliography.	193, St. Lawrence Street.
R. G. LAFLAMME, B.C.L.—Professor of Customary Law and Law of Real Estate.	6, Notre Dame St.
CHARLES SMALLWOOD, M. D., L. L. D.—Professor of Meteorology.	St. Martins, Isle Jesus.
CHARLES F. A. MARKGRAF.—Professor of French Language and Literature.	72, St. Constant St.
LEON G. FRONTEAU, B.A.—Professor of French Language and Literature.	East Wing M'Gill College.
D. C. M'CALLUM, M.D.—Professor of Clinical Surgery	— 152, Craig Street.
MARK J. HAMILTON, C.E.—Professor of Road and Railway Engineering.	255, Notre Dame Street.
JAMES BARNSTON, M.D.—Professor of Botany.	81, Little St. James Street.



- T. A. GIBSON, M.A.—First Assistant Master of High School. } 221, Dorchester St.
- DAVID RODGER, M.A.—Second Assistant Master of High School. } 90, DeBleury St.
- W. BOWMAN, Third Assistant Master of High School.— 126, Craig St.
- JOHN FOLLENUS.—Music Master of High School. — 29, Alexander St.
- G. D. BORTHWICK.—Fourth Assistant Master of High School. } 431, Lagachetiere Street.
- JAMES DUNCAN.—Drawing Master of High School. — 748, St. Lewis St.
- EDWIN GOULD, B.A.—College Tutor in History and English Literature. } 181, St. Antoine St.
- JAMES KEMP.—Fifth Assistant Master of High School. — St. Urban St.
- ROBERT CRAIK, M.D.—Demonstrator of Anatomy and Curator of Medical Museum. } Hospital



## FACULTY OF ARTS.

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The Principal (ex-officio )  
Professors—LEACH.

HOWE.  
DE SOLA.  
DAWSON.  
MARKGRAF.  
FRONTEAU.  
SMALLWOOD.  
HAMILTON.  
BARNSTON.

Tutor— GOULD.

Dean of the Faculty—REV. CANON LEACH, L.L.D.

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The regular course of study in this Faculty extends over four sessions ; one long session of eight months being held in each year.

Fee for each session £5.

Candidates for Matriculation are required to present themselves to the Dean of the Faculty, on the three days preceding the 10th of September.

Candidates for Matriculation will be examined in Latin Grammar ; Greek Grammar ; Cæsar's Commentaries ; Sallust ; Virgil, Æneid 1st book ; Xenophon's Anabasis 1st book ; Arithmetic ; Algebra to Quadratic Equations ; Euclid's Elements, 3 books ; Writing English from dictation. The amount of knowledge rather than the particular author studied, will be regarded in this examination. Fee for matriculation £1, to be paid on entering the College.

Students from the first class of the High School, or of similar institutions, may, if found qualified on examination, matriculate in the second year. Students from other Colleges, if found qualified on examination, may be admitted to a standing equal to that which they have attained in such Colleges.

Students may matriculate for Special Courses in Agriculture, Commerce, and Civil Engineering, on examination in the subjects above stated for the general course, with the exception of classics ; and will be entitled, after satisfactory examination at the close of the course, to diplomas.

Persons not desirous of entering as regular students, may on application to the Secretary, obtain tickets as occasional students for partial courses, or for lectures on any particular subject. Fees for each course of Lectures, unless otherwise stated below, £1 5s.



Sixteen Scholarships have been placed by the Governors at the disposal of His Excellency the Governor General. These entitle the holders to exemption from the tuition fees. Applications must be addressed to His Excellency through the Provincial Secretary. Previously to being matriculated, those presented to the said Scholarships will be examined as to their fitness to enter upon the Collegiate Course of Studies.

Eight other Scholarships will be granted by the Governors from time to time to the most successful Students who shall present themselves as candidates.

The Professors in this Faculty combine the tutorial method with the ordinary manner of collegiate instruction by lectures,—an advantage which deserves to be noted, inasmuch as the difficulties of the Student are in this manner much more readily removed, and since the progress or deficiency of each Student is accurately marked, and cannot, as is usually the case when great numbers are in attendance, escape the observation of the Professor.

Examinations will be held on the eight days preceding the close of the Session, when honours will be assigned to those Students who have attained the greatest general proficiency in all the subjects of the Session, and prizes to those who have distinguished themselves in the studies of a particular class. A gold medal, founded by Henry Chapman, Esq., is also open for competition in the fourth year; and will be awarded to the Student who displays the highest proficiency in all the subjects required for graduation.

On completing the regular course of study, and passing the special examination for a degree to the satisfaction of the Faculty, Students will be entitled to the degree of Bachelor of Arts. Bachelors of Arts of at least three years standing, will be entitled to the degree of Master of Arts, after such examination and exercises as may be prescribed by the corporation.

Students in the fourth year of the course, desirous of matriculating in the Faculties of Law or Medicine, can do so, in connection with keeping the term for their degree in Arts, only on obtaining the consent of the Faculty, and under such restrictions as it may impose.

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

*First Year*—Classics, French or German, English Literature, Mathematics, History.

*Second Year*—Classics, French or German, Logic, Mathematics, Zoology, History

*Third Year*—Classics, French or German, Moral Philosophy and Mental Science, Mathematics and Natural Philosophy, Chemistry or Botany. *Optional Studies*—Hebrew, Commercial Law, Agriculture, Engineering.

*Fourth Year*—French or German, Rhetoric, Natural Philosophy, Astronomy, Mineralogy and Geology.—*Optional Studies as above.*

(For particulars see notice of each class below.)



**LOGIC, MENTAL AND MORAL PHILOSOPHY AND RHETORIC.**

Professor, Rev. Canon Leach, L. L. D.

4th year's Students,	Monday, Wednesday and Friday,	11 to 12.
3rd " "	" " "	10 to 11.
2nd " "	Tuesday and Thursday,	11 to 12.

*Logic*, (2nd year's Students)—History of Logic—its sphere and advantages as a Practical Science.—Origin and Functions of Language—Import and Classification of Names and Propositions.—Mental Operations involved in the process of Reasoning.—Doctrine of Syllogism.—Systems of Notation, &c.—Application of Logic, in dealing with Fallacies, in Division and Definition, in Induction, &c.

*Mental Science*, (3rd year's Students.)—The Senses.—Perception and Belief.—Conception and Imagination.—Abstraction and Generalization—Memory, Suggestion, Laws of Suggestion.—The Human Affections and Passions.—The Will.—Analysis of Taste.

*Moral Philosophy*.—Philosophy.—History of Philosophy, Oriental, Greek, Modern.—Moral Philosophy and Moral Science.—Moral Systems.—Systematic Morality, with Polity and International Law.

*Rhetoric*, (4th year's Students.)—History, Sphere, Uses, &c.—Exposition and Classification of Rhetorical figures.—Style.—Different Species of Composition and Rules applicable to each.—Elocution.

**ENGLISH LITERATURE.**

Tutor, Edwin Gould, B. A.

1st year's Students, Tuesday and Thursday, 10 to 11.

I. Analysis of the English Language—Its Celtic Elements—Its Latin Elements—Its Anglo-Saxon Elements—Its other Elements—Text-book, Latham's Handbook.

II. Grammar of the English Language—Text-books, Crombie and Latham.

III. History of English Literature—Early English Literature before the time of Queen Elizabeth—English Literature in the age of Spenser, Shakespeare, Milton, &c.,—in the age of the Restoration, and Revolution—in the Eighteenth Century—in the Nineteenth Century—Text-books, Shaw's Outlines, and Spalding's History of English Literature.

The Lectures on the above subjects will be accompanied with frequent exercises in the practice of Composition.

**HISTORY.**

Tutor, Edwin Gould, B. A.

1st and 2nd year's Students, 12 to 1 on Monday and Friday.

This Course will include a general view of Ancient and Modern History and Chronology, with the aid of a text-book and lectures, written exercises, and reference to the excellent collection of Historical Works in the Library of the College.

**CLASSICAL LITERATURE.**

Vacant, but to be filled before commencement of Session.

3rd year's Students,	Daily except Saturday,	9 to 10.
2nd " "	" " "	10 to 11.
1st " "	" " "	11 to 12.

The first year's Students will begin with Cicero's Orations in Catilinam and Homer's Iliad, B. I.-III.; then read Livy, B. XXI., Virgil's Georgics, B. I. and



IV., and Herodotus, B. V. In reading, attention is paid to grammatical analysis, derivations and affinities of words, antiquities and geography; also to prosody. Constant exercises are required in Latin and Greek Prose Composition; and in writing Greek, attention is paid to accentuation.

The second year's Students read Juvenal, Sat. 1. 3. 8. 10, Tacitus, Germania and Agricola; Thucydides, B. II., Alcestis of Euripides and Prometheus of Æschylus. Grammatical and other inquiries as before. Composition continued, both in writing and *viva voce*.

The third year's Students read Horace, Select Odes and Satires, Epistles and Ars Poetica; Æschines and Demosthenes on the Crown. Critical exercises and composition continued.

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#### FRENCH LANGUAGE AND LITERATURE.

Professor Leon G. Fronteau, B. A.

1st and 2nd year's Students, every Day except Saturday, 3 to 4.  
3rd and 4th " " " " " 2 to 3.

The French Language being of especial importance in Lower Canada, a larger amount of attention is bestowed upon it than is usual in English Colleges; and every effort is made to train the Students to speak and write it with accuracy and taste.

In the first and second years the course will embrace the Grammar of the Language, Translation of Hamel's Exercises, Reading, and Oral Translation—Text Book in Grammar Noel and Chaptal.

In the third and fourth years more difficult exercises will be given in Grammar and Composition, and the varieties of style will be illustrated by lectures and by readings in the best authors. Corneille and Moliere will be the principal reading books, and the conversation in the class will be in the French Language exclusively.

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#### GERMAN LANGUAGE AND LITERATURE.

Professor C. F. A. Markgraf.

1st and 2nd year's Students, every Day except Saturday, 2 to 3.  
3rd and 4th, " " " " 1 to 2.

*First and Second Year.*—Text books, Ollendorff's Grammar by Adler, and Adler's Progressive German Reader.—Translations and other Exercises oral and in writing. A general insight into the History and Nature of the different Teutonic Idioms will be given in this course, and special attention paid to the Affinity of the German with the English, in Roots, Grammatical Forms, Syntax and Accentuation.

*Third and Fourth Year.*—Text books, Adler's Hand-book of German Literature, and Woodbury's Eclectic Reader. German revised (in the 3rd year only). Translations, Themes and Composition *viva voce* and in writing. Lectures on German Literature will be delivered once a week in the German Language, which will be exclusively spoken in the third and fourth year.

The Students will also have access to a collection of select German Works in the Library of the College.

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#### HEBREW AND ORIENTAL LITERATURE.

Professor Rev. A. De Sola.

3rd and 4th year's Students, Monday, Tuesday, Wednesday and Thursday, 12 to 1.

The course will comprise lectures on the History of the Hebrew Language and Literature in particular, with a general notice of the other Oriental



Languages, their genius and peculiarities. Comparative philology, affinity of roots, &c., will also receive due attention, while the portions selected for translation will be illustrated and explained by reference to oriental manners, customs, history, &c.

*First Year.*—Grammar. The text-book employed will be Gesenius' Hebrew Grammar with Exercises in Orthography and Etymology.

Reading.—Translating and Grammatical Analysis of historical portions of the Scriptures—Syntax—Mishle Shualim—Fables, &c.

*Second Year.*—Introduction to the Study of Hebrew Poetry—its spirit and characteristics. Lowth and Sarchi as text-books. Translations from the Psalms, Lamentations, and Isaiah. Ancient compared with Modern Hebrew Poetry; the productions of Halevi Gabirol, &c. Grammar, Exercises, &c., will be continued in the second year.

#### MATHEMATICS AND NATURAL PHILOSOPHY.

Professor Henry Aspinwall Howe, M. A.

4th year's Students,	Every day except Saturday,	10 to 11.
3rd " "	" " " "	11 to 12.
2nd " "	" " " "	9 to 10.
1st " "	" " " "	1 to 2.

*First Year.*—Arithmetic.—Algebra.—Theory and use of Logarithms.—Plane Trigonometry with its application to the Solution of Triangles, and the measurements of Heights, Distances, Surfaces and Volumes.—Solid and Spherical Geometry.

*Second Year.*—Algebra.—Conic Sections, treated geometrically.—Co-ordinate Geometry.—The Elementary parts of Statics and Dynamics.

*Third Year.*—The Differential and Integral Calculus.—The first three Sections of Newton's Principia.—Mechanics of Solids and of Fluids, treated analytically.

*Fourth Year.*—Spherical Trigonometry.—Astronomy Plane and Physical.—Optics Formal and Physical.—The Theory and Use of the principal Astronomical and Optical Instruments.

*Note.*—The Differential and Integral Calculus will be taken by Students of the third year on Tuesdays and Thursdays, from 3 to 4 P. M.

#### NATURAL PHILOSOPHY, EXPERIMENTAL COURSE.

4th year's Students, Monday, Wednesday and Friday, 3 to 4.

This course is descriptive, illustrated by Diagrams and by Experiments with Philosophical Apparatus, supported, however, by a sufficiency of arguments both inductive and deductive, but the latter divested of Mathematical technicalities. The subjects are,

I. *The Mechanical Sciences, viz. :*

*Statics of Solids.* Pressure and Equilibrium—Composition and Resolution of Forces—Centre of Gravity—Moments of Force—Virtual Velocities—Statistical Principles exemplified in the Mechanical Powers. The Lever, the Wheel and Axle. The Pulley. The inclined Plane. The Screw. The Wedge. Effects of Friction. Strength of Materials—Practical Applications.

*Dynamics of Solids.* The Action of Forces producing motion—Instantaneous Forces—Momentum—Laws of Motion—Collision of Bodies—Motion caused by Accelerating and Retarding Forces—Bodies Falling Freely—Confined Motion down inclined planes and in curves. Oscillation and Rotation of Bodies—Deflective Forces—Composition of Motions—Projectiles—Central Forces—Application of Dynamical Principles to the Construction of Machinery.



*Hydrostatics.*—Properties of Fluids—Equilibrium of Non-elastic Fluids subject to Pressure—of Fluids subject to Gravity—Pressure of Fluids—Equilibrium of Floating Bodies—Pressure on Bodies Immersed—Specific Gravity—Pneumatics or Laws of Elastic Fluids—The Atmosphere—Temperature and Heat—Evaporation—Hydrostatic Instruments and Machines.

*Hydrodynamics.*—Fluids in motion—from Vessels under Atmospheric Pressure—Velocity of the Flow—Law compared with that of Bodies Falling Freely—Form of the Jets—Hydraulics or Flow of Fluids through Pipes—Resistance of Fluids—Various Machines.

II. *Acoustics.* The Production and Transmission of Sound—Velocity of Sound—Divergence—Reflexion of Sound—Musical Sounds—Interference and Decay of Sounds—Illustrations.

III. *Optics.*—Catoptrics or Reflexion of Light—Dioptrics or Refraction of Light—Aberration—Physical Optics—Decomposition of Light—Polarization of Light—Theory and Use of Optical Instruments.

IV. *Astronomy.*—Apparent Motions of the Celestial Bodies—Real Planetary Motions—Physical Causes—Theory and Use of Astronomical Instruments.

V. *Electricity.*—Electro-Statics and Electro-Dynamics applied to Electricity, regarded as a Fluid—Magnetism—Polarity of Matter—Crystallization—Galvanism—Thermo-electricity, &c. Experiments.

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## NATURAL HISTORY.

Professor J. W. Dawson, L.L.D., F.G.S.

2nd year's Students, Tuesday and Thursday, 4 to 5,  
4th " " Monday and Friday, 4 to 5.

In the months of September and October, a Preparatory Course, accessible to all Students, will be delivered on Physical Geography, and the Elements of Zoology. Lectures on Tuesdays and Thursdays, with collecting excursions on Saturdays.

The regular Lectures will commence in the first week of November, and will include the following subjects:—

I. *Zoology and Comparative Physiology*, (Second year's Students)—This course will consist of forty Lectures, embracing general views of the Sphere of Zoology, and the Boundaries of the Animal Kingdom; Tissues, Organs, and functions of Animals; Principles of Classification; Detailed Review of the leading forms of animal life, with reference to their structures, their natural arrangement, their habits and their geographical distribution; and with special notices of the fauna of North America; instructions and illustrations in collecting and preserving specimens, in determining species, and in microscopical investigations.

II. *Mineralogy and Geology*, (Fourth year's Students.)—Forty Lectures, embracing 1, Mineralogy—Chemical and Physical characters of Minerals, including Crystallography; Methods of determining Minerals, with examples; Descriptive Mineralogy, with especial reference to the species important in geology or useful in the arts.—2, Geology—Rocks considered in their composition, texture, and arrangements, on the small and great scales; Origin of Rocks and their classification in this respect; Present state of the surface and interior of the earth, and changes now in progress; Chronology of Rock formations, and fossils characteristic of each, with general views of the succession of physical and organic changes in the History of the Earth; Field geology and practical applications of the Science.

The lectures will be copiously illustrated by drawings and specimens; and special attention will be devoted to those points which are most important in the actual investigation of nature.



## BOTANY.

Professor James Barnston, M. D.

Imperative on Students in the 3rd year, unless attending Chemistry.

Monday and Friday, 4 P. M.

This course of Lectures will commence in the first week of November, and will be divided into five parts, in the following order:—

- I. *Vegetable Histology*, or the Study of the Elementary Tissues of Plants—with a description of the Microscope and its Uses in Botanical Investigations.
- II. *Vegetable Anatomy and Physiology*, or the Structure and Functions of the Nutritive and Reproductive Organs of Plants.
- III. *Vegetable Nutrition*, and General Phenomena connected with Plant Life.
- IV. *Taxological Botany*, or the Classification of Plants—with a description of the most important Natural Orders, under the Divisions, *Exogena*, *Endogena* and *Cryptogamia*.
- V. *Geographical Botany*, or the Distribution of Plants over the Globe.

The course will be amply illustrated by Microscopical Preparations, Drawings and Specimens of Dried Plants, chiefly Canadian; and special attention will be paid to the practical bearing of Botany upon Medicine, Agriculture and Horticulture.

## CHEMISTRY.

Professor W. Sutherland, Esq., M.D.

This class is imperative in the third year, except to Students attending Botany.

Every Day except Saturday, 7 to 8, P. M.

The course includes the following subjects:—

*Inorganic Chemistry*, comprising Heat, Light, Electricity, Galvanism, Crystallography, the Laws of Combination by Weight and by Volume, the Gases and Non-Metallic Elements and their Compounds; the Metals, their combinations and modes of extraction from their ores, and application in the arts.

*Organic Chemistry*, comprising substances found in or derived by decomposition from Vegetables and Animals; and Physiological Chemistry, both animal and vegetable.

The lectures will be illustrated by numerous experiments and specimens; and one hour in each week will be devoted to examinations.

## AGRICULTURE AND AGRICULTURAL CHEMISTRY.

Professor Dawson.

Lectures accessible to all matriculated Students in the third or fourth years.

Wednesday, 4 to 5.

Practical instructions for special Students, Monday and Friday, 3 to 4.

The lectures will commence on the first Monday of November, and will include the following subjects:—

I. *Composition of Plants*, their Organic and Inorganic Constituents—Sources of the organic food of plants—Processes of assimilation in plants, and their non-azotised and azotised products.

II. *Texture and Composition of Soils*—Relation of plants to the Soil—Improvement of the Mechanical and Chemical qualities of Soils—Reasons of exhaustion of soils and modes of restoring their fertility—Principles of rotation of crops—Soils of Canada in their original and exhausted condition—Simple processes for ascertaining the more important properties of soils—



III. *Manures*, those produced on the farm—those procurable from other sources, animal, vegetable, and mineral—Action of special manures.

IV. *Detailed Consideration of Crops*, in relation to their composition, demands on the soil, place in the rotation, nutritive properties, diseases and enemies.

V. *Domestic Animals*, their varieties and management, chemical laws involved in the preparation of the food of stock, and in the processes of the dairy.

Students may enter themselves for a *Special Course of Agriculture*, including in addition to the above Lectures, the subjects of English Literature, French, Mathematics, Chemistry, Natural History, and Natural Philosophy. Fee for the whole of these lectures £5 for Session; for Agriculture alone £1 5.

The lectures on Agriculture commence in the first week of November, to meet the convenience of persons engaged in farming; but Students desirous of entering for the Special Course, with the view of obtaining diplomas, should present themselves at the opening of the Session on the 10th September.

#### CIVIL ENGINEERING.

Professor M. J. Hamilton, C. E.

Daily from 2 to 3 P.M.

##### FIRST YEAR.

I. *Drawing*.—Descriptive Geometry, Bridge Drawing, Plotting of Plans and Sections, &c.

II. *Surveying*.—Construction, Adjustments and Practical Application of the Various Instruments required for Engineering Operations, Land Surveying, Surveying for Public Roads and Railways, Levelling, Laying Down Curves, Half-widths on Measurements, and Calculation of Earthwork, Construction and Application of Tables for Earthwork.

##### SECOND YEAR.

I. *Drawing*.—A more extended course, including Perspective, Construction of Physical Maps, &c.

II. *Engineering*.—Excavation and Embankment, Quarrying and Blasting, Well Sinking and Boring, Tunnelling, Construction of Public Roads; Construction of Railways, including Gradients, Permanent way, Rail-laying, Practice of Draining, Theory of the Arch, Stability of Structures, Nature and Mode of Application of Materials in Construction, Strength of Materials, Preparation of Mortars and Cements, Foundations, Piling, Cofferdams, Retaining Walls, Bridge Building in Stone, Brick, Iron, and Wood, Construction and use of Stationary and Locomotive Engines, Efficiency of Labour, Preparation of Specifications and Estimates.

Students studying for the diploma of Assistant Engineer, will matriculate in the Faculty of Arts after examination on all the subjects required of ordinary Students, except classics; and will be required to attend the classes of English Literature, Mathematics, Natural Philosophy, Mineralogy, and Geology; other classes optional.

Fee for the whole course £5 per Session. For the class of Engineering alone, as occasional Students, £2 10.



## COMMERCIAL LAW.

Professor J. J. C. Abbott, B. C. L.

(This class is accessible to matriculated Students in the third or fourth year.)

Monday and Wednesday, 4 to 5.

The subject of Lecture on Mondays will be the general Principles of the Law of Contracts.

On Wednesday the subjects will be Agency, Bailments, Partnerships, Bills and Notes, and Insurance.

Persons taking tickets for this course, as occasional students, will also have access to the Lectures on Public Law, by Prof. Aylwin.

## A SPECIAL COURSE OF COMMERCE.

Including the subjects of English composition, Arithmetic and Algebra, Mathematics, and Natural Philosophy, Chemistry, Natural History, Modern Languages and History, in addition to those above specified, will be accessible to Students desirous of devoting themselves for one or two sessions, to the collegiate studies more immediately connected with commercial pursuits.

## METEOROLOGY.

Professor, Charles Smallwood, M. D., L.L.D.

A short course of lectures on this subject is expected to be delivered in the course of the session. Details will be made known by advertisement.



## FACULTY OF MEDICINE.

The Principal (ex officio.)

Professors,—HOLMES.

CAMPBELL.

HALL.

FRASER.

SUTHERLAND.

SCOTT.

WRIGHT.

HOWARD.

M'CALLUM.

Demonstrator.—

CRAIK.

Curator of Museum.—ALEX. LONG, M.D.

Dean of the Faculty.—A. F. HOLMES, M. D.

The course of study in this Faculty extends over four sessions, each of six months duration, and includes the following subjects ;—

Theory and Practice of Medicine, including a full course of Pathology,—Professor A. F. Holmes, M. D.,—Lectures daily except Saturday.

Surgery, including surgical anatomy and illustrations of all the important surgical operations,—Prof. G. W. Campbell, A. M., M.D.,—daily except Saturday.

Midwifery and Diseases of Women and Children,—Prof. A. Hall, M. D.,—daily except Saturday.

Institutes of Medicine,—comprising Physiology, with the most recent Chemical and Microscopical investigations, Pathology and Therapeutics,—Prof. W. Fraser, M. D.,—daily except Saturday.

Chemistry, including the inorganic and organic departments, with especial reference to Physiology, Medicine and the useful Arts,—Prof. W. Sutherland, M. D.,—daily except Saturday.

Anatomy,—Prof. W. E. Scott, M.D.,—Demonstrator, Robert Craik, M. D.,—Lectures daily except Saturday, dissecting rooms open every working day, from 8 A. M. to 10 P. M.,

Materia Medica,—Prof. W. Wright, M. D.,—Lectures daily except Saturday, illustrated by a large cabinet and herbarium, and plates of Medicinal plants.

Medical Jurisprudence,—including Toxicology, with illustrations of modes of testing, and morbid appearances; also lectures on Insanity and Medical Police,—Prof. R. P. Howard, M.D.,—three lectures in each week.

Clinical Medicine,—Prof. R. P. Howard, M. D.,—Lectures at the Montreal General Hospital twice in every week, and visits to the Hospital daily.



Clinical Surgery.—Prof. D. C. McCallum, M. D.,—Lectures at the Montreal General Hospital twice in each week; visits to the Hospital daily.

Botany, and Zoology.—Students matriculating after 1st May, 1857, will be required to attend one course of these classes in the Faculty of Arts, in any one of the years of the course that may be most convenient. The fee for one class is £1 5; which admits also to the other: they have been fixed at hours which will not interfere with the more strictly medical classes; and a certificate of attendance only, without examination, will be required.

The LIBRARY consists of upwards of 2,700 volumes, among which are found, not only the most valuable works for reference, but recent standard works on all the departments of medical literature, and, moreover, those elementary works which are chiefly adapted for pupils, the use of which they are allowed without charge.

The MUSEUM, besides the preparations, (dry and wet,) of healthy and diseased structures, contains a considerable number of artificial preparations in wax and composition from the manufactories of Guy and Thibert of Paris. It is open to students under proper regulations.

For *Dissections*, the institution is provided with an ice-house and large and well ventilated dissecting rooms, which are open every working day and evening, and are well lighted by gas.

The tickets of this University are received by the British Colleges, and by those of the United States, whose tickets, under similar regulations, are likewise received by McGill College.

The following *Extracts from the Regulations of the Faculty*, give all necessary information to intending students.

#### COURSE OF LECTURES, FEES, &C.

1st. Each Professor shall deliver at least Five Lectures during the week, except in the classes of Clinical Medicine and of Clinical Surgery, in which only Two Lectures shall be required; and in that of Medical Jurisprudence, if extended through six months, in which case Three Lectures a week shall suffice, and in those of Botany and Zoology; in which two Lectures shall be given.

2nd. Each 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 a lecture.

4th. A Roll of the names of the Students attending each class shall be called from time to time.

5th. All Tickets which have not a Certificate of attendance attached shall be rejected when presented as Testimonials previous to examination, unless the omission can be satisfactorily accounted for.

6th. The Fee for each class shall be Three Pounds currency, with the following exceptions: for that of Medical Jurisprudence, Two Pounds Ten Shillings; and for those of Clinical Medicine and Clinical Surgery, One Pound Ten Shillings each, and for those of Botany and Zoology together, £1 5.



7th. Any Student after having paid the fees and attended two courses of any class shall be entitled to a perpetual ticket for that class.

8th. The Courses of all the classes, except those of Clinical Medicine, Clinical Surgery and Medical Jurisprudence, shall be of six months' duration; the Classes of Clinical Medicine and of Clinical Surgery of three months' duration; and that of Medical Jurisprudence, either of three months' duration, in which case Five Lectures a week shall be given, or of six months' duration, in which case only Three Lectures a week shall be required.

9th. The Courses shall commence on the first Monday in November, and, with the exception of a vacation at Christmas, shall continue to the end of April.

QUALIFICATIONS AND STUDIES OF STUDENTS AND CANDIDATES FOR  
THE MEDICAL DEGREE.

1st. All Students desirous of attending the Medical Lectures of this University, shall, at the commencement of each Session, enrol their names and residences in the Register of the Medical Faculty, and procure from the Registrar a Ticket of Matriculation, for which each Student shall pay a fee of ten shillings.

2nd. The said Register shall be closed on the twenty-third day of December in each year, and no ticket obtained from any of the Professors shall be received without previous Matriculation.

3rd. No one shall be admitted to the Degree of Doctor of Medicine and Surgery who shall not have attended lectures for a period of at least FOUR Sessions either in this University or some other University, College or School of Medicine, approved of by this University.

4th. Candidates for the final Examination shall furnish Testimonials of Attendance on the following branches of Medical Education, viz :

<i>Anatomy,</i>	}	Of which two Courses will be required.
<i>Chemistry,</i>		
<i>Theory and Practice of Medicine,</i>		
<i>Principles and Practice of Surgery,</i>		
<i>Midwifery and Diseases of Women and Children,</i>		
<i>Materia Medica and Pharmacy,</i>		
<i>Clinical Medicine,</i>		
<i>Clinical Surgery,</i>		
<i>Practical Anatomy,</i>		
<i>Institutes of Medicine,</i>		
<i>Medical Jurisprudence,</i>	}	Of which one Course will be required.
<i>Botany,</i>		
<i>Zoology,</i>		

Provided, however, that Testimonials equivalent to, though not precisely the same as those above stated, may be presented and accepted.



5th. The Candidate must also give proof by ticket of having attended during twelve months the Practice of the Montreal General Hospital, or some other Hospital approved of by this University.

6th. Moreover, no one shall be permitted to become a Candidate for Examination who shall not have attended at least one Session of this University, and, during that Session, at least four six months' classes, or three six months' and two three months' classes.

7th. Every Candidate shall, previous to the Medical Examination, give proof of competent Classical attainments either by examination or otherwise.

8th. Every Candidate for the Degree must, on or before the first day of March, present to the Dean of the Medical Faculty testimonials of his qualifications entitling him to an examination, and also a Thesis or inaugural dissertation, written by himself, on some subject connected with Medical or Surgical Science, either in the Latin, English or French language. He must at the same time deliver to the Secretary of the Faculty the following Certificate :—

MONTREAL, ———— 18—.

I, the Undersigned, being desirous of obtaining the Degree of Doctor of Medicine and 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 the time) under articles as a pupil or apprentice to any Physician, Surgeon or Apothecary.

(Signed,) A. B.

9th. The trials to be undergone by the Candidate shall be,—

1st. An examination into his Classical attainments as preliminary to the Medical Examinations.

N. B.—Students are recommended to undergo this Examination when they first begin their attendance at the College.

2nd. The private examination of his Thesis as evidence both of Medical and General acquirement, followed (if approved) by its public defence. And

3rd. A general examination on all the Branches of Medical and Surgical Science.

N. B.—This examination will be divided into Primary and Final, the former comprehending the Branches of Anatomy, Chemistry, *Materia Medica*, and Institutes of Medicine; the latter, those of Practice of Medicine, Surgery, Midwifery and Medical Jurisprudence.

N. B.—It will be optional with the Student to present himself for the primary examination at the end of his third Session.

10th. The following Oath or Affirmation will be exacted from the Candidate before receiving his degree.

SPONSIO ACADEMICA,

In facultate Medicinæ Universitatis Collegii M'Gill.

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, non sine gravi causa vulgaturum. Ita præsens mihi spondenti adsit numen.

11th. The Fee for the Degree of Doctor of Medicine and Surgery shall be Five Pounds currency, to be paid by the successful Candidate immediately after his examination, together with a fee of Five Shillings to the Registrar of the Medical Faculty.

12th. The money arising from the Fees of Graduation, as well as those of Matriculation, shall be applied to the enlargement of the Medical Library and Museum, and to defraying their expenses.

*[Faint, mirrored text from the reverse side of the page, including phrases like 'The money arising from the Fees of Graduation...' and 'The Registrar of the Medical Faculty...']*



## FACULTY OF LAW.

The Principal (ex officio.)

Professors.—AYLWIN

TORRANCE.

LAFRENAYE.

LAFLAMME.

Dean of the Faculty,—J. J. C. ABBOTT, Esq. B. C. L.

The several courses of Lectures in the Faculty of Law, comprise every branch of Legal Study.

The Educational officers of this Faculty have felt that the Law of Lower Canada, though in many of its details purely local, retains, as its leading characteristics, the noble and imposing features of the civil law, and that the principles established in the Roman jurisprudence, still form the groundwork of many of its departments. The lectures, therefore, though prepared with especial reference to the law of Lower Canada, have been, as far as consistent with their primary object, divested of any purely sectional character, and are made to inculcate such comprehensive principles, as form, to a great extent, the basis of every system of jurisprudence.

It is considered that this system will afford to students of the laws of Lower Canada, a better foundation for their subsequent studies, and tend to give them a more extended and comprehensive grasp of legal subjects, than a course of instruction conducted solely with reference to local law; while it is hoped, in view of the increased importance which the study of the civil law is every where assuming, that the advantages offered, and the mode of education adopted by this Faculty, will open to it an extensive field of usefulness.

The complete course of study in this Faculty extends over three years, but may be shortened to two years, when the student graduates in the fourth year of his indentures.

The following are the subjects comprised in the complete course of three years:—

### TO STUDENTS OF THE FIRST YEAR.

On Public and Constitutional law.

Professor AYLWIN.

On Obligations, and on the general principles of the law of Contracts.

Professor ABBOTT.

On the Civil Law. The Rights of persons under the Roman law, property in possession *jus in re*.

Professor TORRANCE.

On the origin and History of the Laws of France, of England, and of Lower Canada.

Professor LAFLAMME.



On the Law of Real Estate and customary Law.

Minority.  
Tutors and Curators.  
Husband and Wife.  
Fiefs.  
Servitudes.

Professor LAFLAMME.

TO STUDENTS OF THE SECOND YEAR.

On Public and Constitutional Law.

Professor AYLWIN.

On Commercial Contracts.

Agency.  
Bailments.  
Partnerships.  
Bills and Notes.  
Insurance.

Professor ABBOTT.

On the Civil Law.

Property in Action, *jus ad rem*, or Obligations.—Actions—Public  
Judgments.

Professor TORRANCE.

On Legal Bibliography.

The Bibliography of English Law ;  
of French Law ; and  
of Canadian Law.

Professor LAFRENYE.

On the Law of Real Estate and Customary Law.

Successions.  
Donations and Wills.  
Contracts of Marriage.  
Community of Property.

Professor LAFLAMME.

TO STUDENTS OF THE THIRD YEAR.

On Criminal Law.

Professor AYLWIN.

On Commercial Contracts.

Shipping, and Merchant Seamen.  
Sale.  
Pleading.  
Practice.

Professor ABBOTT.

On International Law.

Conflict of Laws.  
Corporations.  
Evidence.

Professor TORRANCE.

On Leases.

Deposits.  
Sequestrations  
Pledges.  
Suretyships.  
Compositions.  
Imprisonment.

Professor LAFRENYE.

On the Law of Real Estate and Customary Law.

Dower.  
Privileges and Hypotheques.  
Prescriptions.  
Judicial Sales.

Professor LAFLAMME.



Students who avail themselves of the privilege of attending two years only, will, nevertheless, be required to pass an examination in the subjects comprised in the three years' course.

Occasional Students will be received without matriculation, for attendance on any particular series of Lectures; and Students in the Faculty of Arts will be permitted to attend any of the courses, on such terms and conditions as may be fixed by that faculty.

The matriculation fee is ten shillings, payable only by Students who have not previously matriculated in any other faculty. The annual fee for the full course of Lectures is fixed for the present at three pounds ten shillings; for attendance on any one series of Lectures, one pound five shillings per annum, and the fee on graduation, including *diploma*, is one pound five shillings.

Students who have completed their course of three years,—or of two years, if they have commenced in the fourth year of their indentures,—and have passed a satisfactory examination, will be entitled, upon the certificate and recommendation of the Law Faculty, to the Degree of Bachelor of Civil Law.

Applications for admission may be made to the Dean of the Faculty, or to the Secretary of the College.



# HIGH SCHOOL DEPARTMENT

OF

## MCGILL COLLEGE.

1857-8.

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- Rector.*—Professor H. ASPINWALL HOWE, M. A.  
*First Assistant Master.*—T. A. GIBSON, Esq., M. A.  
*Second Assistant Master.*—DAVID RODGER, Esq., M. A.  
*Third Assistant Master.*—W. BOWMAN, Esq.  
*Fourth Assistant Master.*—J. D. BORTHWICK, Esq.  
*Fifth Assistant Master.*—J. KEMP, Esq.  
*French Instructor.*—Prof. L. FRONTEAU, B. A.  
*German Instructor.*—Prof. C. F. A. MARKGRAF,  
*Drawing Instructor.*—J. DUNCAN, Esq.  
*Music Instructor.*—J. FOLLENUS, Esq.
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This School offers the higher kind of instruction and the mental training which together constitute what is called a *Liberal Education*. As a Department of the University, it offers a thorough preparation for the college course.

For admission into the lowest Form it is required that the Pupil shall have attained the age of seven years, and be able to read fairly. If more advanced, he will be examined by the Rector and classed according to his proficiency. Good early training, however, is of so great importance that the entrance of a Pupil should not be delayed beyond the age of nine. The best time for entrance is immediately after the Summer Vacation, as the new classes are then formed for the year. The course extends over a period of six or seven years, a general promotion taking place only once a year. Cases of special promotion are few.

The Session commences on the 1st September and terminates in the first week in July, when a Public Examination is held, and Prizes and Honours awarded to the deserving. The Session is divided into four equal Terms. At the end of each, class examinations are held and a full report of the progress and conduct of the Pupil is sent to the Parent.

As the object in view is to give a sound general mental training quite as much as a knowledge of particular subjects, no Pupil will be permitted to indulge a partiality for any one study to the neglect of



others. The whole of the subjoined course is therefore to be considered as imperative upon all the Pupils, and a departure from it will be conceded only when really desirable or necessary.

*Latin* and *Greek* are made the basis of the Language Division of the course, as *Euclid* is that of the Mathematical Division. They are taught to *all* the Pupils, because they are the best means of training them into a sound knowledge of general Grammar and of their mother tongue, and facilitating the acquisition of the modern languages; they are taught also with reference to the learned professions for which a knowledge of them is required, and because they possess innate perfections and beauties which, expanding to the mind of the advanced School-boy, are among his inducements to become the College Student. The time, however, devoted to the Ancient Languages is not excessive. Instead of the many hours formerly given to the subject in most Public Schools, the time has long been limited in the High School Department of McGill College to at most two hours daily. The modern branches of Education benefit greatly by the change, which under improved methods of teaching has been found not detrimental to progress in the classics.

The correct writing of *English* is regarded as of paramount importance, and the study of Latin and Greek is made subservient to it.

The *French* and *German* languages form a part of the ordinary course. Much attention is given to the former because it is one of the colloquial languages of the country. French is imperative, but German is optional.

*Mathematics* have an hour daily assigned to them as soon as the faculties of the Pupil are sufficiently developed to cope with the difficulties of the subject. They are the grand means of strengthening and disciplining the reason; a knowledge of them is indispensable in the Engineering profession and in the Mechanical Arts; and the pursuit of them affords a very high and pure pleasure to the active and inquiring mind.

In teaching *History* and *Geography*, the aim will be to impart correct general views of these subjects with a particular knowledge of those countries which most nearly concern us. By judicious illustrations something more is made of them than a dry catalogue of facts and names. The senior Pupils can by the payment of a trifling fee attend the University lectures on *Physical Geography* and *Geology* at an hour which is very convenient.

The elements of *Natural Philosophy* form part of the course of the Senior Form. This subject has been selected from the Natural Sciences because it is properly the first in order if not the most important of them. The senior Pupils may, however, attend the University Lectures on *Zoology* and *Botany*.

The remaining subjects of a school course—*Arithmetic*, *Writing*, *Book-keeping*—so indispensable in a Commercial community, have, in addition to the attention previously given to them, their share of the time which has been taken from the excessive study of Latin and Greek.



In the *Religious Instruction*, which is part of the course, there is nothing of a Sectarian character; the great truths of the Christian religion and the principles of morality which flow out of it are made the subject of regular teaching, and are impressed upon the Pupils whenever occasion requires or opportunity offers.

*Drawing* and *Music* have hitherto been voluntary subjects, but arrangements are now completed so as to make Linear Drawing and Vocal Music parts of the regular course without additional charge.

The Pupils are required to prepare themselves every evening for the work of the ensuing day. Their progress will depend very much upon the diligent performance of this duty, which ought to occupy them from one to two hours. The class-rooms are always open to Visitors; and Parents having sons at the School are earnestly invited to frequent intercourse with the masters, so as to aid them in securing that regularity and industry without which education is but the stone of Sisyphus. The classes are visited periodically by a Committee of the Governors.

The new building is in a healthy and airy situation, and has convenient interior arrangements, with those modern improvements which secure proper warmth and ventilation.

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### COURSE OF STUDY FOR THE SESSION 1857-8.

#### FIRST FORM.

Hours, 9 to 11 A.M., and 1 to 3 P.M.

#### SUBJECTS OF STUDY.

#### TEXT-BOOKS USED.

##### *English.*

Reading and Spelling, Recitation, Formation and Derivation of Words.		Dublin Commissioners' 3rd Book of Lessons. M'Culloch's Series of Lessons. Carpenter's Spelling Book.
First Ideas of Grammar.		Lennie's English Grammar.

##### *Geography.*

Outlines of the Subject.		Cornwell's Geography and Atlas.
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##### *Arithmetic.*

The Four Fundamental Operations.		No Text-Book required.
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##### *Religious Instruction.*

One of the Gospels.		The New Testament.
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##### *Writing.*



## SECOND FORM.

Hours, 9 to 12 A.M., and 1 to 3½ P.M.

## SUBJECTS OF STUDY.

## TEXT-BOOKS USED.

*Latin.*

The Grammar as far as the Syntax. Easy Translations.	The Edinburgh Latin Rudiments. Chambers' Elementary Latin Exercises
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*English.*

Reading and Spelling. Recitation. Formation and Derivation of Words. Grammar and Parsing.	The Fourth Book of Lessons. Butter's Spelling Book. Lennie's English Grammar.
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*History.*

England.	White's History of England.
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*Geography.*

Modern Europe in detail.	Cornwell's Geography and Atlas.
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*Arithmetic.*

As far as Practice.	Thompson or Melrose.
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*Religious Instruction.*

The Books of Genesis and Exodus. The Gospel of St. Mark.	The Bible.
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*Writing.—Vocal Music.*

## THIRD FORM.

Hours, 9 to 12 A.M., and 1 to 4 P.M.

*Latin.*

The Grammar as before, with the Ir- regulars and the Syntax. Translation and Exercises.	The Edinburgh Latin Rudiments. Gibson's Eutropius. Chambers' Elementary Latin Exercises
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*English.*

Reading and Spelling. Recitation. Formation and Derivation of Words.	The Fourth Book of Lessons. Lennie's English Grammar. Butter's Spell- ing Book.
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*French.*

Grammar and Exercises. Reading and Translation.	Ollendorff's Primary Lessons in French. De Fivas' French Reader.
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## THIRD FORM.

(Continued.)

## SUBJECTS OF STUDY.

## TEXT-BOOKS USED.

*History.*

England. Canada.

White's England for Junior Classes.  
Roy's History of Canada.*Geography.*As before; add America in detail.  
Canada in detail.Cornwell's Geography and Atlas. Gib-  
son's Geography of Canada.*Arithmetic.*

To the end of Simple Proportion.

Thompson or Melrose.

*Religious Instruction.*Historical Books of the old Testa-  
ment. The Gospel of St. Matthew.

The Bible.

*Writing.—Linear Drawing and Vocal Music.*

## FOURTH FORM.

Hours, 9 to 12 A.M., and 1 to 4 P.M.

*Latin.*The Grammar as in the Fourth Class.  
Thorough Revision. Translation  
and Exercises. Cornelius Nepos.  
Phœdrus. Ovid.The Edinburgh Latin Rudiments. Ar-  
nold's Cornelius Nepos. Chambers'  
Phœdrus. Ferguson's Ovid. Cham-  
bers' Advanced Latin Exercises.*English.*

As before; add Dictation.

The Fourth Book of Lessons.

*French.*Grammar and Exercises.  
Reading and Translation.Ollendorff's French Method, by Jewett.  
De Fivas' French Reader.*History.*

England. Canada. Rome. Greece.

White's England for Junior Classes.  
Chambers' History of Greece.  
Chambers' History of Rome. Roy's  
History of Canada.*Geography.*As before; add Asia and Africa in  
detail. Scripture Geography.

Ewing's Geography and Atlas.



## FOURTH FORM.

(Continued.)

## SUBJECTS OF STUDY.

## TEXT-BOOKS USED.

*Arithmetic.*

As far as Vulgar Fractions. Arithmetic.	Mental	Thompson or Melrose.
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*Religious Instruction.*

Historical Books of the old Testa- ment. The Gospel of St. Luke, or the Acts of the Apostles.	The Bible.	White's Sacred History.
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*Writing.—Linear Drawing and Vocal Music.*

## FIFTH FORM.

Hours, 9 to 12 A.M., and 1 to 4 P.M.

*Latin.*

The Grammar as before ; add Proso- dy. Translation and Exercises. Sal- lust's Catiline. The Æneid of Virgil, Books 1 to 3. Recitation.	The Edinburgh Latin Rudiments. An- thon's Sallust. Anthon's Virgil. Arnold's Latin Prose Composition.
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*Greek.*

Grammar and Introductory Transla- tions.	M'Clintock's First Book in Greek.
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*English.*

Reading, &c. Composition.		Readings in Prose.
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*French.*

Grammar and Exercises. Recitation. Reading and Translation.		Ollendorff's French Method, by Jewett. Buquet's Cours de Littérature.
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*German.*

Grammar and Exercises. Recitation. Reading and Translation.		Ollendorff's German Grammar, by Ad- ler. Adler's German Reader, Vol. 1.
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*History.*

Compendium of Universal History.		White's Outlines of Universal History.
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*Geography.*

Ancient and Modern. Map-Drawing.		Ewing's Geography and Atlas.
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## FIFTH FORM.

(Continued.)

## SUBJECTS OF STUDY.

## TEXT-BOOKS USED.

*Mathematics.*

Arithmetic to the end of Decimal Fractions. Mental Arithmetic. Algebra to the end of simple Equations. Euclid's Plane Geometry, Books 1, 2, 3, 4, and 6.	Colenso's Arithmetic. Colenso's Algebra. Chambers' Plane Geometry.
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*Religious Instruction.*

Scripture History. The Epistles of St. Paul. Evidences.	The Bible. White's Sacred History. Whateley's Truths of Christianity.
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*Writing and Book-keeping.*

The National Treatise.

*Linear Drawing and Vocal Music.*

## SIXTH FORM.

Hours, 9 to 12 A.M., and 1 to 4 P.M.

*Latin.*

Revision of the Grammar. Livy, Book xxii, Cicero de Senectute. The Agricola of Tacitus. Horace, Books 1 and 2 of the Odes. Composition.	The Edinburgh Latin Rudiments, Lincoln's Livy. Anthon's Cicero de Senectute. Anthon's Tacitus. Anthon's Horace. Arnold's Latin Prose Composition.
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*Greek.*

Grammar and Exercises. Xenophon's Anabasis. Homer's Iliad Books 1 and 3. Herodotus, Bk. VI.	M'Clintock's first book in Greek. Anthon's Xenophon's Anabasis. Anthon's Homer. Herodotus, (Parker's Ed.)
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*English.*

Reading, &c. Composition. Recitation.	Readings in Poetry. Parker's English Composition.
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*French.*

As before, except that the French Language is used in the Class instead of English.	Noel and Chaptal's French Grammar. Buquet's Cours de Littérature.
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*German.*

As before.	Ollendorff's German Grammar by Adler. Adler's German Reader, Vol. 1.
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## SIXTH FORM.

(Continued.)

## SUBJECTS OF STUDY.

## TEXT-BOOKS USED.

*History.*

Universal History. Historical Sketches in connexion with Geography. The use of the Globes.	White's Elements of Universal History.
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*Mathematics.*

The higher parts of Arithmetic. Logarithms. Algebra from Quadratic Equations. Plane Trigonometry. Solid and Spherical Geometry. Problems in Mensuration and Mechanics.	Colenso's Arithmetic Colenso's Algebra, Chambers' Solid and Spherical Geometry. Colenso's Plane Trigonometry. Chambers' Mathematical Tables
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*Physical Science.*

The Elements of Physical Science.	Comstock's Natural Philosophy.
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*Religious Instruction.*

Christian Morality. The Epistles of St. Paul.	Whewell's Morality and Polity. The Bible.
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*Writing and Book-keeping.*

The National Treatise.

*Linear Drawing, Vocal Music.*

## TERMS.

Fall Term	- - -	1st September to 15th November.
Winter Term	- - -	16th November to 1st February.
Spring Term	- - -	2nd February to 15th April.
Summer Term	- - -	16th April to 1st July.

## FEES.

(Including all the Branches of the Regular Course.)

For the two Senior Classes	- - -	£2 10 0 per Term.
For the three Junior Classes	- - -	2 0 0 "
For the Preparatory Class	- - -	1 10 0 "
Stationery, &c.	- - -	0 2 6 "
Fuel for the Winter	- - -	0 2 6 "

Payable in advance to the College Secretary, who will issue tickets at the beginning of each term.

Applications for admission to be made to the Rector or the Secretary at his Office, Burnside Hall.

The Rector and Assistant Masters have accommodation for Boarders.



## MCGILL NORMAL SCHOOL,

Affiliated to the University, under the control of the Superintendent of Schools and the Corporation of the University.

### INSTRUCTING OFFICERS.

Principal and Adjunct Professor of Natural History and Agriculture  
—J. W. Dawson, L. L. D.

Ordinary Professors—William Henry Hicks, Esq.  
Sampson Paul Robins, Esq.

Adjunct Professor of French, L. G. Fronteau, B.A.

Regular instruction in Drawing is given by Mr. James Duncan, and in Music by Mr. R. S. Fowler; and Professor Fronteau is assisted in the French classes by Madame Meyer.

The institution is intended to give a thorough training to male and female teachers, especially for the Protestant population of Lower Canada. This end is attained 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.

Candidates for admission will be examined in reading, writing and the elements of grammar, arithmetic, and geography, and will be required to produce certificates of good moral character from the clergyman or minister of religion under whose charge they have last been, and also, testimony, that they have attained the age of sixteen years. They will also be required to sign a pledge that they purpose to teach for three years in some public school of Lower Canada.

On complying with these conditions, pupil-teachers will be entitled to free tuition, with the use of text books, and to an allowance of £8 or £9 per annum in aid of their board. Under the regulations subjoined, those who reside at a distance of more than ninety miles from the city of Montreal, will also be entitled to a small allowance to pay travelling expenses, proportionate to the distance. Pupil-teachers residing in Montreal will not be entitled to aid, unless in such circumstances as to render it absolutely necessary to their attendance on the school.

The course of study in the Normal School will include all the branches of a sound English and French education, with especial reference to their principles and practical application, and to the best methods of teaching them. Instruction will also be given in the art of teaching and the management of schools, in history, the elements of Geometry and algebra, natural philosophy, chemistry, natural history, agriculture, drawing and music.

In addition to religious instruction of a general Protestant character, by the professors, arrangements will be made for special religious



instruction, by ministers representing the several denominations with which the pupil-teachers may be connected.

No boarding house is attached to the institution, but every care will be taken to ensure the comfort and good conduct of the pupil-teachers in private boarding houses to be selected by the Principal.

The large and commodious building, known as the "Old High School," in Belmont Street, has been thoroughly repaired and fitted up by the Government, for the accommodation of the Normal School, and is provided with every modern appliance in the art of teaching.

At the close of the first year of study, pupil-teachers may apply for examination for diplomas, giving the right to teach an Elementary School, and after two years' study, they will on examination be entitled to diplomas as teachers of Model Schools. All the preceding regulations and privileges apply to female as well as male pupil-teachers.

It is also contemplated, that such of the male pupil-teachers as may be distinguished by previous education, ability and industry, shall have the further privilege of entering on the University course as free students, with the view of qualifying themselves for teaching in colleges, academies and other institutions for superior education.

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#### EXTRACTS FROM THE REGULATIONS.

##### *Special Regulations for the admission of Pupil-teachers.*

Article First.—Any person desirous of being admitted as a pupil-teacher, must apply to the principal of the Normal School, who, on his producing an extract from the Register of Baptisms or other evidence, shewing that he is fully sixteen years of age, with the certificate of character and conduct required by the 16th article of the general Rules and Regulations, approved by His Excellency the Governor General in Council, on the 22nd December 1856, shall himself examine the candidate.

If upon this examination, it is found that the candidate can read and write sufficiently well, knows the rudiments of grammar in his mother tongue,—arithmetic as far as the rule of three, inclusively, and has some knowledge of geography, the Principal shall grant him a certificate.

Article Second.—The candidate having thus obtained the certificate of the Principal, shall then, (in the presence of two witnesses who, with the Principal, shall countersign the same,) sign an application in writing for admission, containing the declaration required by the 23rd general regulation. This shall be forwarded to the Superintendent of Schools, together with all the certificates and other documents required, and if the whole be found correct, the Superintendent shall cause the name of the candidate to be inscribed in the register, and due notice thereof shall be given to the Principal.

Article Third.—The pupil-teachers 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 house having permission to board male pupil-teachers, will be permitted to receive female pupil-teachers as boarders, and *vice-versa*.

Article Fourth.—Every pupil-teacher will be allowed a sum of from £8 to £9 to assist in paying his board. This allowance will be paid quarterly.

Article Fifth.—Every pupil residing at a distance of more than ninety miles from the city of Montreal, shall be entitled to receive an allowance for travelling expenses, proportionate to the distance, but not to exceed two pounds ten shillings *per annum*.



Article Sixth.—The total amount of allowances paid to pupil-teachers under the foregoing articles, shall not exceed £333 6s. 8d. cy., yearly—that being the sum granted for this object; and when the whole of this amount is appropriated, such pupil-teachers as may apply for admission shall not be entitled to any portion thereof, until vacancies shall occur.

MODEL SCHOOL OF M'GILL NORMAL SCHOOL.

Teacher of Boys' School—Mr. James M'Gregor.

“ Girls' School—Miss Mary M'Cracken.

These Schools can accommodate about 220 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. Fee, Senior Class, 1s. 3d. per week; intermediate, 1s.; Junior, 9d. do; payable weekly.